

**From:** [Lloyd Rooney](#)  
**To:** [Nancy D Turner](#)  
**Cc:** [Joseph M Awika](#); [Linda Dykes](#); [McDonough, Cassandra](#); [wlr@tamu.edu](mailto:wlr@tamu.edu)  
**Subject:** Fwd: Silver Plate Foods  
**Date:** Friday, September 04, 2009 2:09:35 PM  
**Attachments:** [Silver Palate from LWR on 9 4 09 in the PM 1 55.doc](#)

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This is a draft of a short proposal (two pages narrative) which will be sent to Harris via Bill McCutchen of AgriLife. Its still too long but add your comments in tracking mode so I can have it ready by Monday morning. Please react to it as soon as possible. Thanks Lloyd

>>> Pamela Littlejohn 9/4/2009 1:51 PM >>>  
attached

**From:** [Gary Odvody](#)  
**To:** [Bill Rooney](#)  
**Subject:** Fwd: Sorghum Conference Program  
**Date:** Wednesday, August 05, 2009 10:39:42 AM  
**Attachments:** [Sorghum Conference Program \(38.7 KB\).msg](#)

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FYI

Just in case your other sources are slower.

GO

Gary Odvody  
Texas AgriLife Rsch&Extn Ctr  
10345 State Hwy 44  
Corpus Christi, TX 78406-1412  
361-265-9201  
361-265-9434 (Fax)  
g-odvody@tamu.edu

**SICNA/2009 Great Plains Sorghum Conference**  
**Amarillo, TX, August 11-12**  
Texas AgriLife Research and Extension Center – Amarillo &  
USDA-ARS and Texas AgriLife Research - Bushland

<b>Monday, August 10</b>		<b>Texas AgriLife Research and Extension Center, 6500 Amarillo Blvd. West</b>	
<b>SICNA BOARD</b>			
Student Competition	7:00 PM - ??	Review of Student Presentations	
<b>Tuesday August 11</b>		<b>Texas AgriLife Research and Extension Center, 6500 Amarillo Blvd. West</b>	
	<b>Time Slot</b>	<b>Title</b>	<b>Speaker(s)</b>
<i>Registration</i>	7:30-8:10 AM		
<i>Welcome</i>	8:10-8:15 AM	John Sweeten, Resident Director, Scott Bean, SICNA Chair	
<i>Biotechnology</i>	8:15-8:30 AM	AIMS Library- a community resource for sorghum genomics studies and breeding	Zhanguo Xin, ARS-Lubbock
	8:30-8:45 AM	Improvement of sorghum through technology	Ismail Dweikat, NE
	8:45-9:00 AM	Sorghum genomics and biotechnology: recent progress and future prospects	Yinghua Huang, ARS & OSU, Stillwater
<i>Agronomy/Physiology</i>	9:00-9:20 AM	Sorghum+Legume intercropping to improve resource use efficiency and forage quality	Sangu Angadi, NM
	9:20-9:40 AM	Strip-till sorghum	Rick Kochenower, OSU
<i>Break</i>	9:40-10:00 PM		
<i>Pathology</i>	10:00-10:20 AM	Response of low lignin (brown midrib) sorghum to infections by Fusarium and Alternaria spp.	Deanna Funnell Harris, ARS-Lincoln
	10:20-10:40 AM	AFLP and microsatellite markers for anthracnose and downy mildew and PR-10 antifungal protein expression for grain mold diseases in sorghum	Ramasamy Perumal, TAMU
	10:40-11:00 AM	Viability, quality, and protein content associated with sorghum caryopses infected with grain mold fungi	Chris Little, KSU

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**Tuesday Continued.**

<i>Entomology</i>	11:00-11:15 AM	Relating yellow sugarcane aphid damage characteristics to resistance of sorghum	Zachary Eder, WTAMU
	11:15-11:30 AM	Effect of photoperiod on fitness of greenbug biotypes E and I on sorghum	Jody Gilchrest, WTAMU
	11:30-11:45 AM	Using scanning electron microscopy with energy dispersive spectroscopy to identify starch in sorghum grain resistant to maize weevil	Michael Pendleton, WTAMU

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<i>LUNCH</i>	12:00 PM	Pizza on Buses
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***AFTERNOON TOURS***

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<b>Advanta Seed Nursery &amp; Dairy Tour</b>	1:30-5:30 PM	Bus 1
<b>Richardson Seed Nursery &amp; Dairy Tour</b>	1:30-5:30 PM	Bus 2

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<i>DINNER</i>	6:30-8:30 PM	Boot Hill	Vega
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**Wednesday August 12**

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**Buses will leave the Texas AgriLife Research Center at 8:00 AM or participants can join us at the USDA-ARS & Texas AgriLife Research Field Lab just off of the south I-40 access road immediately west of Bushland (8 miles west of Amarillo)**

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<i>Field Tours</i>	8:15-8:45 AM	Weed control stop Huskie herbicide Lumax post-direct Pre trials ALS and ACCASE tolerant sorghum	Brent Bean, Rex Brandon  Kassim Al-Khatib
	9:00-9:30 AM	Investigating automatic irrigation scheduling and quantifying water use efficiency for limited and fully irrigated grain sorghum using LEPA irrigation	Paul Colaizzi and Steve Evett
	9:45-10:30 AM	Irrigated and dryland forage, sweet, and energy sorghum varieties	Brent Bean, Bob Villarreal, Bill Rooney, Zhuanguo Xin, Mark Marsalis

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***Drive back to the Texas AgriLife Research and Extension Center, Amarillo***

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**Wednesday Continued.**

<b><i>Student Presentations</i></b> <b><i>Amarillo Center</i></b>	11:00-11:15 AM	Paper 1	Speakers will be decided
	11:15-11:30 AM	Paper 2	Monday evening
	11:30-11-45 AM	Paper 3	following competition
<hr/>			
<b>LUNCH</b>	12:00-1:00 PM	Chicken Fried Steak/Trimmings	
<hr/>			
<b><i>Breeding</i></b>	1:00-1:20 PM	Breeding priorities from the checkoff board perspective	Jeff Dahlberg, USCP
	1:20-1:40 PM	Breeding priorities from the private company perspective (Panel of seed company reps)	Moderator: Kay Porter, Pioneer
<hr/>			
<b><i>Chemistry/Utilization</i></b>	1:40-1:55 PM	Sorghum brown midrib mutants, tools to improve biomass for biofuels	Scott Sattler, ARS-Lincoln
	1:55-2:10 PM	Tracking lipid levels in kernels to DDGS during ethanol production from grain sorghum	Curtis Weller, NE
	2:10-2:25 PM	Condensed tannins in sorghum-good or bad?	Lloyd Rooney, TAMU
<hr/>			
<b><i>Technology Transfer</i></b>	2:25-2:45 PM	Relative sorghum yield in acid soils	Dr. Brain Arnall, OSU
	2:45-2:55 PM	Extension successes in Oklahoma	Rick Kochenower, OSU
<hr/>			
ADJOURN	3:00 PM		
<hr/>			

Questions call local arrangements Chair: BRENT BEAN, 806-359-7861

**From:** [Juan Landivar](#)  
**To:** [Jamie L Foster](#); [Carlos Fernandez](#); [Dan Fromme](#); [Gary Odvody](#); [Roy Parker](#); [William J Grichar](#)  
**Subject:** Fwd: Sorghum Conference Program  
**Date:** Wednesday, August 05, 2009 12:17:48 PM  
**Attachments:** [IMAGE.BMP](#)  
[Conference Program.pdf](#)

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FYI,

Juan

Juan A. Landivar, Ph.D.  
Professor and Resident Director



Texas AgriLife Research and Extension  
Center at Corpus Christi  
10345 State Hwy 44  
Corpus Christi, TX 78406-1412  
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>>> John Sweeten 7/30/2009 6:05 PM >>>

John M. Sweeten, Ph.D., P.E.  
Resident Director & Professor  
Texas AgriLife Research at Amarillo & Vernon  
6500 Amarillo Blvd., West  
Amarillo, TX 79106-1796  
Phone (806) 677-5600  
Fax (806) 677-5644

>>> Brent Bean 7/30/2009 5:56 PM >>>

Attached is the final program complete with speakers and topics for the SICNA/Great Plains Sorghum Conference to be held in Amarillo on August 11th and 12th.

Please forward this to anyone who may have an interest.

Brent Bean  
Professor & Extension Agronomist  
Texas AgriLife Research and Extension Center  
6500 Amarillo Blvd. West  
Amarillo, TX 79106  
Ph: 806-677-5600  
email: [bbean@agtamu.edu](mailto:bbean@agtamu.edu)

**From:** [REDACTED]  
**To:** [ghodnett@ag.tamu.edu](mailto:ghodnett@ag.tamu.edu)  
**Cc:** [wlr@tamu.edu](mailto:wlr@tamu.edu); [swhalen@harc-hspa.com](mailto:swhalen@harc-hspa.com)  
**Subject:** Fwd: sorghum  
**Date:** Tuesday, November 10, 2009 11:47:03 AM

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George,

As I read this, There are no restrictions for importation of sorghum seed. Large lots (assume commercial seed) may require inspection. Vegetative propagules require a permit and quarantine. Susan Schenck is the HARC pathologist.

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From: [sschenck@harc-hspa.com](mailto:sschenck@harc-hspa.com)  
Reply-to: [sschenck@harc-hspa.com](mailto:sschenck@harc-hspa.com)  
To: [REDACTED] [swhalen@harc-hspa.com](mailto:swhalen@harc-hspa.com)  
Sent: 11/10/2009 7:13:00 A.M. Hawaiian Standard Time  
Subj: sorghum

Bob, Stevie

Sorghum is subject to some restrictions because it is a host of the European Corn Borer. Non-propagative plant parts require a certificate of origin or certificate of treatment depending on where they were grown. Propagative parts (except seed) for planting require an import permit and quarantine. Usually seeds in small packets need no inspection or anything, but large seed lots need inspection. There is no mention of this for sorghum though. Seedlings could have no soil with them and will have to be quarantined at the Plant Quarantine Branch facility.

Susan

Susan Schenck  
Hawaii Agriculture Research Center  
92-1770 Kunia Rd., P.O. Box 100  
Kunia, HI 96759  
phone (808) 621-1386  
FAX (808) 677-2312

**From:** [Gary Odvody](#)  
**To:** [Bill Rooney](#)  
**Subject:** Fwd: subaward information needed ASAP  
**Date:** Thursday, August 06, 2009 1:06:53 PM  
**Attachments:** [subaward information needed ASAP \(6.65 KB\).msg](#)

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Do you have any guidance that is a little more specific beyond this rather confusing request. Just who are the individuals to whom Teresa is referring? Does this involve our resident director, our financial person, etc. or is there some other overarching individual(s) for all at Texas A&M?

Inquiring minds want to know,

Gary Odvody  
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361-265-9201  
361-265-9434 (Fax)  
g-odvody@tamu.edu



**From:** [Dawkins, Teresa](#)  
**To:** [Gary Odvody](#)  
**Subject:** subaward information needed ASAP  
**Date:** Thursday, August 06, 2009 11:54:41 AM

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Our Grants office needs complete contact information for the following individuals at your university so a subaward can be prepared: Project Director, Financial Contact, and University Authorized Official.

They need the following: name, address, telephone #, fax #, and email address

Thank you.

Teresa Dawkins  
[teresa.dawkins@sdstate.edu](mailto:teresa.dawkins@sdstate.edu)  
Accountant  
Sun Grant Center  
605-696-7871

**From:** [C. Wayne Smith](#)  
**To:** [Amir M Ibrahim](#); [Dave Byrne](#); [Jane Dever](#); [Michael R Baring](#); [Rodante Tabien](#); [Steve Hague](#); [Steve King](#); [dirk hays](#); [Ambika Chandra](#); [Gary C Peterson](#); [Gerald Smith](#); [Creighton Miller](#); [Kevin Crosby](#); [Lloyd Nelson](#); [Mark Burow](#); [MC Engelke](#); [Russell Jessup](#); [Bill L Rooney](#)  
**Cc:** [David Baltensperger](#); [Seth C Murray](#); [Dave Stelly](#)  
**Subject:** Fwd: Survey of Plant Breeding Priorities  
**Date:** Monday, August 24, 2009 8:52:20 AM  
**Attachments:** [PBCC Breeders Needs Survey PWS Aug 5 2009.doc](#)  
[Header.dat](#)  
[C. Wayne Smith.vcf](#)

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I know that this may be multiple times that some of you have seen this but just to make sure that all of the system's plant breeders have the opportunity to respond. Please forward to anyone I missed in the To: list.

Thanks,

Wayne

C. Wayne Smith  
Professor and Associate Head  
Department of Soil and Crop Sciences  
2474 TAMU  
Texas A&M University  
College Station, TX 77843-2474  
979.845.3450  
[cwsmith@tamu.edu](mailto:cwsmith@tamu.edu)

>>> "Seth C. Murray" <[sethmurray@neo.tamu.edu](mailto:sethmurray@neo.tamu.edu)> 8/18/2009 4:01 PM >>>  
David Stelly and I recently attended the Plant Breeding Coordinating Committee meeting in Wisconsin and were quite impressed as there was far more research than policy on the agenda and high quality speakers were enjoyed by all. One of the many things that came out of this meeting is the need for plant breeders to have a hand in setting the funding agenda for the national agencies. To do this we were all given a survey, the results of which will be used by the former chair (Stephen Baenziger) to help direct funding priorities in the national agencies.

If you have not filled this out it would be appreciated if you could and return this to Phil Simon (the new PBCC chair) with comments as to any priorities that might have been missed by August 21.

It might be worth forwarding this to other AgriLife station breeders...is there a full list somewhere?

Thanks,

Seth

----- Forwarded Message -----

From: "Philipp W. Simon" <[psimon@wisc.edu](mailto:psimon@wisc.edu)>  
To: undisclosed-recipients: ;  
Sent: Thursday, August 6, 2009 4:31:26 PM GMT -06:00 US/Canada Central  
Subject: Survey of Plant Breeding Priorities

## U.S. Plant Breeding Research Priorities

To: U.S. Plant Breeding Community August 6, 2009

From: Plant Breeding Coordinating Committee

One of the functions of the Plant Breeding Coordinating Committee is to identify research topics of common interest to plant breeders. Numerous plant breeding projects are underway and we are looking ahead, asking the question "What research would most benefit the plant breeding community if additional resources were available?"

A list of potential plant breeding research priorities is below. We are requesting that the U.S. Plant Breeding Community vote for the most important by ranking up to 10 of these topics with "1" being the most important and "10" the least. Use each number once.

Thank you much for participating in this very important process. With plant breeding evolving at an increasingly rapid rate, it is critical that we evaluate our research priorities to ensure a productive research future for plant breeders. Please take time to vote and return your ballot by August 21, 2009 , either as an attachment or in the body of your email to Phil Simon ( [psimon@wisc.edu](mailto:psimon@wisc.edu) ).

Prioritize General Plant Breeding Community Needs (1 = highest rank; rank up to 10 topics)

\_\_\_\_\_ Centralized catalog of germplasm and genomics resources

\_\_\_\_\_ Centralized facilities for plant transformation

\_\_\_\_\_ Centralized facilities to evaluate nutrients, antinutrients, and composition

\_\_\_\_\_ Centralized facilities to generate haploids/doubled haploids

\_\_\_\_\_ Centralized facilities to generate molecular marker data

\_\_\_\_\_ Centralized facilities to maintain and distribute DNA from genetic stocks

\_\_\_\_\_ International test sites for field research not readily done in the US.

\_\_\_\_\_ User-friendly database development for depositing and sharing plant phenotype data

(similar to gene databases)

- \_\_\_\_\_ Quantitative genetics methods and tools
- \_\_\_\_\_ Molecular maps of important traits
- \_\_\_\_\_ Molecular marker tool development: e.g. SNPs, SSRs, DArT
- \_\_\_\_\_ Genome sequencing
- \_\_\_\_\_ Doubled haploid technology
- \_\_\_\_\_ Plant germplasm collection and exchange
- \_\_\_\_\_ Plant germplasm characterization
- \_\_\_\_\_ Plant performance and related phenotypic data from breeding programs
- \_\_\_\_\_ Standardized p henotyping methods
- \_\_\_\_\_ Standardized phenotype data format
- \_\_\_\_\_ Population, breeding stock, cultivar development
- \_\_\_\_\_ Prebreeding of exotic germplasm
- \_\_\_\_\_ Identification of primary, secondary, and tertiary gene pools
- \_\_\_\_\_ Other \_\_\_\_\_
- \_\_\_\_\_ Other \_\_\_\_\_
- \_\_\_\_\_ Other \_\_\_\_\_
- \_\_\_\_\_ Other \_\_\_\_\_

--

\*\*\*\*\*

Philipp W. Simon                      Phones: (608)262-1248  
USDA-ARS, Vegetable Crops Research Unit  
1575 Linden Drive                      FAX: (608)262-4743  
Department of Horticulture, University of Wisconsin  
Madison, WI 53706 <http://ars.usda.gov/mwa/vcru>

\*\*\*\*\*

--

Seth C. Murray  
Assistant Professor  
Dept. Soil and Crop Sciences  
TAMU MS 2474  
College Station, TX 77843  
Office (979) 845-3469  
Cell (979) 595-5176  
<http://maizeandgenetics.tamu.edu/>

## U.S. Plant Breeding Research Priorities

To: U.S. Plant Breeding Community  
From: Plant Breeding Coordinating Committee

August 6, 2009

One of the functions of the Plant Breeding Coordinating Committee is to identify research topics of common interest to plant breeders. Numerous plant breeding projects are underway and we are looking ahead, asking the question "What research would most benefit the plant breeding community if additional resources were available?"

A list of potential plant breeding research priorities is below. We are requesting that the U.S. Plant Breeding Community vote for the most important by ranking up to 10 of these topics with "1" being the most important and "10" the least. Use each number once.

Thank you much for participating in this very important process. With plant breeding evolving at an increasingly rapid rate, it is critical that we evaluate our research priorities to ensure a productive research future for plant breeders. **Please take time to vote and return your ballot by August 21, 2009**, either as an attachment or in the body of your email to Phil Simon (psimon@wisc.edu).

### **Prioritize General Plant Breeding Community Needs** (1 = highest rank; rank up to 10 topics)

- ☐ Centralized catalog of germplasm and genomics resources
- ☐ Centralized facilities for plant transformation
- ☐ Centralized facilities to evaluate nutrients, antinutrients, and composition
- ☐ Centralized facilities to generate haploids/doubled haploids
- ☐ Centralized facilities to generate molecular marker data
- ☐ Centralized facilities to maintain and distribute DNA from genetic stocks
- ☐ International test sites for field research not readily done in the U.S.
- ☐ User-friendly database development for depositing and sharing plant phenotype data  
(similar to gene databases)
- ☐ Quantitative genetics methods and tools
- ☐ Molecular maps of important traits
- ☐ Molecular marker tool development: e.g. SNPs, SSRs, DArT
- ☐ Genome sequencing
- ☐ Doubled haploid technology
- ☐ Plant germplasm collection and exchange
- ☐ Plant germplasm characterization
- ☐ Plant performance and related phenotypic data from breeding programs
- ☐ Standardized phenotyping methods
- ☐ Standardized phenotype data format
- ☐ Population, breeding stock, cultivar development
- ☐ Prebreeding of exotic germplasm
- ☐ Identification of primary, secondary, and tertiary gene pools
- ☐ Other \_\_\_\_\_
- ☐ Other \_\_\_\_\_
- ☐ Other \_\_\_\_\_
- ☐ Other \_\_\_\_\_

**From:** [Eheinric](#)  
**To:** [wlr@tamu.edu](mailto:wlr@tamu.edu)  
**Subject:** Fwd: Technology transfer  
**Date:** Thursday, November 05, 2009 2:08:18 PM  
**Attachments:** [Tech transfer plan1.docx](#)

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Rene and Vilma,

The attached document describing the new Technology Transfer project will be discussed at the INTSORMIL Program Advisory Committee Meeting in K.C. MO Dec. 3-4. During this meeting it is our objective to determine which technologies, developed by INTSORMIL, should be promoted with the additional funding received from USAID. Regional Coordinators will represent their region in this discussion but in the case that Bill or Lloyd cannot represent CA, I will. Thus, I want you to tell me which technology you would promote if you had the funding to do so. The criteria for selecting technologies is given in the attachment.

Thanks,

Short

E. A. "Short" Heinrichs  
Assistant Director, INTSORMIL  
Research Professor, UNL Entomology  
Consultant, IPM CRSP  
Secretary General, IAPPS  
email: [ehheinric@vt.edu](mailto:ehheinric@vt.edu)  
Phone: 402-805-4748 (Home)  
402-472-6011 (UNL- INTSORMIL)  
Skype: short62  
IAPPS website: <http://www.plantprotection.org/>  
UNL Ent. website: <http://entomology.unl.edu/>  
INTSORMIL website: <http://intsormil.org>



## **INTSORMIL Market-led Technology Transfer Activity Development Plan**

### **I. Introduction**

USAID raised the INTSORMIL authorization ceiling from \$9,000,000 to \$12,900,000 for the period of September 30, 2006 to September 29, 2011. USAID requested that the additional funds be used for new projects and suggested (1) Impact assessments, (2) Communication and publicity to report impact and success stories and (3) Technology transfer activities to spread key INTSORMIL technologies. Thus in the 2009 -2010 (Yr 4) and 2010-2011 (Yr 5) budget the ME has allotted \$215,000 per year specifically for the technology transfer activities. In order to obtain our 2009-2010 funding we had to submit a Technology Transfer plan including budget without INTSORMIL PI input due to time restrictions and we selected a project in Southern Africa. Please note that this is just an example. Now, with the input of INTSORMIL PIs, we need to develop a plan to as to how we will conduct the technology transfer activities. This includes (1) A plan to identify the key technologies to be transferred with these funds (one or more from all of the individual and regional projects) and (2) A guide to follow in developing proposals for implementing the technology transfer activities. Below, we have suggested some criteria for selecting key technologies and some components to be included in a technology transfer workplan.

### **II. Criteria for selecting technologies for transfer**

1. Relevant and applicable to major constraints at the selected site

2. Current status of technology

- ◆ Tested and available for transfer
- ◆ Already under transfer on a small scale

3. Potential for success

- ◆ Favorable governmental policies
- ◆ Existing farmers groups/cooperatives/ village associations/food processor associations
- ◆ Markets available to handle increased production
- ◆ Technology that is easily disseminated, adapted and scalable (likelihood of adoption)

4. Technology that will leverage development in other innovations.

5. Integrated farming system technologies e.g. ICM, ICSWM, IPM

6. Environmentally sound

7. Sustainable (agronomically, ecologically, economically) (likelihood of continuing without INTSORMIL support)

- ◆ Local support and interest
- ◆ Government support
- ◆ Markets

8. Farmer empowerment

8. Have impact in two years

9. Magnitude of expected benefits

- ◆ Improve food security
- ◆ Reduce poverty
- ◆ Improved management of natural resources
- ◆ Improved nutritional status of humans, livestock and poultry
- ◆ Achieving 4.5.2 Ag Sector Productivity and IEHA indicators
  - Number of potential ha under the new technology
  - Potential number of farmers adopting the new technology
  - Potential kg/ha increase
  - Potential income/ha increase
  - Potential cost of production/ha decrease
  - Number of rural households that can benefit from the new technology
  - Number producers organizations, food processing groups, farmer groups etc. benefiting from the technology
  - Number of agriculture-related firms benefiting directly from the technology
  - Number of women's organizations/associations to be assisted as a result of the new technology
  - Number of individuals who will receive short term agricultural sector productivity training

### III. Implementing Selected Technology transfer activities

- ◆ Establishing baselines for impact assessment studies
- ◆ Technology Marketing
  - Preparing information-educational materials
  - Transmitting information through mass media
- ◆ Potential partners as technology transfer agents (select one or more)
  - National Extension Services



- Employ a consultant (private or National Program employee on contract)
- NGOs
- Foundations
- Community/farmer- based organizations
- Agribusiness enterprises
- Input dealers
- Private sector
- ♦ Implementation of on farm demonstrations/food processor incubator groups etc.
- ♦ Training activities
  - In field training
  - Workshops
  - Demonstration plots
  - Field days
- ♦ Monitoring and Impact Assessment (via Impact Assessment projects)
- ♦ Publicity (by communications project)

#### **INTSORMIL Management Entity**

*John Yohe*, Program Director

*E. A. "Short" Heinrichs*, Assistant Program Director

11/05/2009

File: EMy docs 1/INTSORMIL Program workplan/Tech Transfer PlanR

File: Desktop/Tech transfer plan

**From:** [David Baltensperger](#)  
**To:** [Carol Rhodes](#)  
**Cc:** [David Baltensperger](#); [Bob Avant](#); [Bill McCutchen](#); [Mark Hussey](#); [Bill A Dugas](#)  
**Subject:** Fwd: Texas Monthly Article  
**Date:** Saturday, August 29, 2009 5:01:22 PM  
**Attachments:** [Texas Monthly Article \(2.66 MB\).msg](#)

---

FYI

David D. Baltensperger  
Professor and Head  
Soil and Crop Sciences  
Texas A&M University  
2474 TAMU  
College Station, Texas 77843-2474

Phone 979-845-3041  
Fax 979-845-0456  
Email [dbaltensperger@ag.tamu.edu](mailto:dbaltensperger@ag.tamu.edu)

**From:** [Pamela Littlejohn](#)  
**To:** [Baltensperger, David](#); [Hons, Tami](#); [Rhodes, Carol](#); [Schmitt, Kathy](#); [Young, Judy](#); [Zhang, Li](#)  
**Cc:** [L.Rooney@ag.tamu.edu](mailto:L.Rooney@ag.tamu.edu); [McDonough, Cassandra](#)  
**Subject:** Texas Monthly Article  
**Date:** Sunday, August 30, 2009 2:14:12 PM  
**Attachments:** [ATT00008.bmp](#)  
[TexasMonthlyCQL\\_1.pdf](#)  
[Pamela Littlejohn.vcf](#)

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FYI

I showed Dr. Baltensperger an article in the September issue. He said to get the Texas Monthly issue; work on a display. Perhaps display a portion of it, with a note "for more details, please contact: 979 845 2925 office of Drs. Rooney and Awika" or something to that accord.

*Olsson, Karen. 2009. Why are tortilla chips so damn good? Texas Monthly. 37(9): 114-117, 150-157.*

Please contact Cassandra if you have questions regarding permission to print, etc. I have an issue here in the office.

Texas AgriLife Research and Extension Center



Pamela A. Littlejohn  
Office of Drs. Lloyd Rooney & Joseph Awika  
Cereal Quality Lab  
Texas A&M University, Texas 2474 TAMU  
College Station, TX 77843-2474  
phone 979 845 2925; fax 979 845 0456; <plittlej@tamu.edu>  
<http://tamufood.org>  
<http://soilcrop.tamu.edu/research/cereal/index.html>

**From:** [David Baltensperger](#)  
**To:** [Juerg Blumenthal](#); [David Stelly](#); [Bill Rooney](#)  
**Cc:** [Travis Miller](#)  
**Subject:** Fwd: Town Hall Meeting with Dr. Regina Dugan, Director, DARPA  
**Date:** Monday, September 07, 2009 10:03:34 PM  
**Attachments:** [Town Hall Meeting with Dr. Regina Dugan Director DARPA \(274 KB\).msg](#)

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This looks like one to make sure is on your calendar.

David D. Baltensperger  
Professor and Head  
Soil and Crop Sciences  
Texas A&M University  
2474 TAMU  
College Station, Texas 77843-2474

Phone 979-845-3041  
Fax 979-845-0456  
Email [dbaltensperger@ag.tamu.edu](mailto:dbaltensperger@ag.tamu.edu)



***You are invited to attend***

**A Presentation and Town Hall Meeting with  
Dr. Regina Dugan, Director  
Defense Advanced Research Projects Agency (DARPA)**

***Friday, September 18, 2009***

***1 p.m.-2:15 p.m.***

***Rudder Tower, Room 601***



Dr. Dugan was appointed director of DARPA on July 20, 2009. Since its inception in 1958, DARPA has been the technological change agent for the United States, having pioneered such innovations as the Internet and stealth technologies. With a budget of approximately \$3.1 billion, DARPA currently funds research in a wide variety of scientific disciplines — biology, medicine, computer science, chemistry, physics, engineering, mathematics, material sciences, social sciences, neuroscience, and more.

Dr. Dugan received her undergraduate and master's degree from Virginia Tech, and her Ph.D. in mechanical engineering from the California Institute of Technology.

**From:** [Auckerman, Cady](#)  
**To:** [Acuff, Gary R.](#); [Baltensperger, David](#); [Carey, John](#); [Davis, Tim](#); [Gary Ellis](#); [Gross, Dennis](#); [Heinz, Kevin](#); [Jack Elliot](#); [John Nichols](#); [Keeton, Jimmy](#); [Lacher, Thomas](#); [Reinhart, Gregory](#); [Riskowski, Gerald](#); [Whisenant, Steven](#); [cajones@ag.tamu.edu](#); [ec-price@tamu.edu](#); [mbdickman@tamu.edu](#); [nwilkins@tamu.edu](#); [n-clarke@tamu.edu](#); [psmurano@tamu.edu](#); [therrman@tamu.edu](#); [a-kenimer@tamu.edu](#); [Auckerman, Cady](#); [Boggus, Tom](#); [Dugas, William](#); [Ed Smith](#); [Hussey, Mark](#); [LHuval@ag.tamu.edu](#); [Mitchell, Maryland](#); [Overhouse, Janelle](#); [Penn, Nancye B](#); [Slovacek, Jackie](#); [tbeckham@tvmidl.tamu.edu](#); [Tykal, Doris](#); [Elizabeth Gregory](#); [Fazzino, Johnny](#); [Gerling, Patricia](#); [J. Alan Kurk](#); [Joe Cox](#); [Lacewell, Ron](#); [Piya Abeygunawardena](#)  
**Cc:** [Betty Cotton](#); [Carla Smith](#); [Chris Wilson](#); [Debbie King](#); [Dorothy See](#); [Glenn, Grace](#); [Hyden, Gail](#); [Judy Young](#); [Karen Hodges](#); [Miles, Dawn](#); [Norma Pantoja](#); [Sarah Robertson](#); [Sonya Stranges](#); [Terrell Johnson](#); [Konderla, Gina](#); [Marsha Kelly](#); [Mattil, Melanie](#); [Payton, Stephanie](#); [Tim Aylsworth](#); [Toni Beamon](#)  
**Subject:** Town Hall Meeting with Dr. Regina Dugan, Director, DARPA  
**Date:** Monday, August 31, 2009 4:27:01 PM  
**Attachments:** [DARPA invite.pdf](#)

---

Please forward the attached announcement to your faculty and staff.

You are invited to attend

**A Presentation and Town Hall Meeting with  
Dr. Regina Dugan, Director Defense Advanced Research  
Projects Agency (DARPA)  
Friday, September 18, 2009  
1 p.m.-2:15 p.m.  
Rudder Tower, Room 601**

**From:** [Amir M. Ibrahim](#)  
**To:** [Gaylon Morgan](#); [Joseph M Awika](#); [Richard H Loeppert](#); [Steve Hague](#); [Dirk Hays](#); [sethmurray@neo.tamu.edu](#); [cwsmith@tamu.edu](#); [Ed Runge](#); [Frank Hons](#); [gacuff@tamu.edu](#); [Larry Redmon](#); [Lloyd Rooney](#); [Paul A Baumann](#); [Russell Jessup](#); [Scott Senseman](#); [stelly@tamu.edu](#); [t-davis5@tamu.edu](#); [Travis Miller](#); [wlr@tamu.edu](#)  
**Cc:** [David Baltensperger](#); [Judy Young](#)  
**Subject:** Fwd: Visit of Governor Clement Wani Konga  
**Date:** Thursday, September 10, 2009 4:20:48 PM  
**Attachments:** [Background Governor Central Equatoria.doc](#)

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Dear All,

Texas A&M has been approached/selected to assist in the economic development of the agricultural sector of Southern Sudan, a region that has been afflicted with a devastating war for over a half century.

A delegation from Southern Sudan is visiting us on Monday at 2:00 p.m. I would like to arrange for a few select faculty to meet with the delegation to participate in a brief roundtable talk. Names of the delegation as well as place and time of the meeting will be sent to you tomorrow.

I hope that we can arrange for a few select faculty to attend this meeting and provide their input. Please contact me (and copy Judy Young) with your availability to participate.

For more details, please see the below enclosed message from Ambassador Eugene Douglas as well as attache background. Thanks.

Best regards,

Amir

-----  
Amir Ibrahim, Ph.D.  
Associate Professor,  
Small Grains Breeder/Geneticist  
Dep. of Soil and Crop Sciences  
College of Agriculture and Life Sciences  
Texas A&M University  
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>>> "Eugene Douglas" [REDACTED] > 9/10/2009 12:29 PM >>>  
Dear Professor Ibrahim,

The Governor of Central Equatoria State, Southern Sudan, Lt General Clement

Wani Konga is visiting the United States for talks with the U.S. Government, Congress and strategic partners. Three members of the State Parliament are traveling with him and will also come to Texas.

As you may recall from our earlier meeting at the Borlaug Center in May, I am engaged in a wide range of private sector efforts to assist in economic development of the South in the areas of agriculture, forestry, transportation and communication.

Vice Chancellor Guy Diedrich, Texas A & M, will be meeting with Governor Wani Konga either late on Sunday or early Monday and we then have sessions with the University of Texas Business School and a project review. I believe that we could depart Austin around noon, assuming that I can convince the delegation to have a "lunch on the go" American style. Allowing about 90 minutes to drive to College Station at mid day, I think we could be on campus by 14:00. Will that be too late for you and your colleagues. I certainly hope not since we all repose such hopes for the strategic relationship with Southern Sudan and Texas A & M to aid in the rebirth of agriculture in the South after the long years of war.

It would be most constructive if you could corral a few select colleagues in the fields of agriculture and perhaps even animal husbandry to participate in a brief "roundtable" talk on Monday afternoon. You may recall that I am keen to establish a agricultural "extension and advisory" service with Texas A & M and Southern Sudan. For many reasons, the State of Central Equatoria will be the proving ground.

I will send the names of the delegation later this afternoon along with the other persons who will attend from the Texas side.

As an insignificant informational aside, I have attached the one page "briefer" prepared for Governor Perry. I hope that we will see the Governor at the Capitol early Tuesday morning.

Regards,  
H. Eugene Douglas



Background  
Visit to United States of the Honorable Clement Wani Konga  
Governor, State of Central Equatoria  
Semi Autonomous Government of Southern Sudan

Lt. General Clement Wani Konga, Governor of the State of Central Equatoria, Southern Sudan, is visiting the United States to meet with Southern Sudan communities in the United States and confer with officials and lawmakers in order to learn about our election procedures and America's experience with democratic governance in preparation for Southern Sudan's first election since the signing of the 2005 Comprehensive Peace Agreement with the Khartoum government. In addition, Governor Konga will meet with Texas A & M, the University of Texas at Austin and a consortium of Texas based companies engaged in ground breaking work to forge a Texas – Southern Sudan private sector initiative in green technologies and agro forestry projects. The Governor's host in Austin will be former Ambassador H. Eugene Douglas, Managing Director of Kinyeti Development LLC, a Texas based company with a focus on business in Southern Sudan. Kinyeti Development LLC and American Exotic Timber Group, both Texas based companies, are launching their first project in the State of Central Equatoria later this year.

Sudan, Africa's largest country by area, has been devastated by two back-to-back civil wars during the past 40 years. Throughout Sudan's post 1957 history of independence, the northern government in Khartoum has periodically attempted to impose Sharia law nationwide, not only on the Arab Muslim north, but also on the non-Arab Christian population of the south.

The United States was a major force in the negotiation and implementation of the 2005 Comprehensive Peace Agreement that established a Semi-Autonomous Government of the Southern Sudan and the US Government remains firmly committed to the safety and economic development of the Southern Sudan. The CPA provides for a referendum in 2011 to decide whether the South will remain part of a unity government with the North or seek its full sovereign independence.

Despite the country's extensive proved oil reserves (Sudan currently produces 500,000 barrels of oil per day), Sudan remains one of the world's poorest countries. Oil revenues are currently shared between the Arab-Muslim north and the Black – Christian and animist South. The South has rich lands for agriculture and ranching but is almost totally undeveloped. The oilfields are chiefly in the territory of the Southern Sudan.

A delegation from Southern Sudan visited Texas in May of this year to advance the planning for work with Texas universities and to cement partnerships with Texas businesses. The Southern Sudan will be an area for growth and desires a close partnership with the State of Texas.

**From:** [Carol Rhodes](#)  
**To:** [Bill L. Rooney](#)  
**Cc:** [Barbara Bracken](#)  
**Subject:** Fwd: Your NOV has been moved to Opened - Nilesh"s position  
**Date:** Tuesday, November 10, 2009 11:50:33 AM

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Your vacancy is posted on GreatJobs and guess what.....you already have an applicant.

Please follow the guidelines below. The easiest way to access your applicants is by going to the site from our home page at <http://greatjobs.tamu.edu/hr>, log in with user name "GU59850" and password "sorghum2".

Let me know when you are ready to hire, as there are now some reports I can generate from the site for you which may speed your process.

>>> <GreatJobs@ag.tamu.edu> 11/10/2009 9:01 AM >>>  
Notice of Vacancy Number: 04582  
Position Title: Postdoctoral Research Associate  
Action PAD or PIN: A08141

The NOV shown above has been posted on the Texas A&M AgriLife employment website.

Please review the appropriate agency Recruiting & Employment procedure. Remember to retain documents related to the hiring decision as they will comprise the Recruiting File (<http://hrtoolbox.tamu.edu/compliance/Recruiting-File-Checklist.pdf>) which is required for every position.

Applicants may view this posting by going to <<https://greatjobs.tamu.edu/applicants/Central?quickFind=185242>>

**From:** [John Mullet](#)  
**To:** [Bill Rooney](#)  
**Subject:** Fwd: Zambia BREAD proposal  
**Date:** Wednesday, August 26, 2009 7:17:41 AM  
**Attachments:** [BREAD solicitation 0609.pdf](#)  
[ATT00014.htm](#)

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Bill,

BREAD proposals are due Sept 9th.

I think we need to decide if we are ready (or want) to work up the BREAD proposal. Right now we don't have an official collaborator(s) in Africa (these people have to get into the BREAD system before we can submit - see attached).

Should we focus on DARPA and let the BREAD opportunity pass this time?

It is also possible that the next phase of the Pioneer/Gates project could involve us - where we could include development of drought traits/genotypes for Africa that are biofortified.

I plan to expand the germplasm mining to breeding technology platform DARPA objective this week. I would like to discuss prior to our Sept 4 meeting with McCutchen to make sure we agree on how this will be structured.

Are you out next week? If so, can we talk briefly on Friday (possibly late morning?).

John

# Basic Research to Enable Agricultural Development (BREAD)

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## PROGRAM SOLICITATION NSF 09-566

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National Science Foundation

Directorate for Biological Sciences

**Letter of Intent Due Date(s) (required)** (due by 5 p.m. proposer's local time):

August 05, 2009

**Full Proposal Deadline(s)** (due by 5 p.m. proposer's local time):

September 09, 2009

### REVISION NOTES

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This is a new component of the Plant Genome Research Program (PGRP).

Please be advised that the *NSF Proposal & Award Policies & Procedures Guide* (PAPPG) includes revised guidelines to implement the mentoring provisions of the America COMPETES Act (ACA) (Pub. L. No. 110-69, Aug. 9, 2007.) As specified in the ACA, each proposal that requests funding to support postdoctoral researchers must include a description of the mentoring activities that will be provided for such individuals. Proposals that do not comply with this requirement will be returned without review (see the PAPP Guide Part I: *Grant Proposal Guide* Chapter II for further information about the implementation of this new requirement).

### SUMMARY OF PROGRAM REQUIREMENTS

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#### General Information

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**Program Title:**

Basic Research to Enable Agricultural Development (BREAD)

A program jointly supported by NSF and the Bill & Melinda Gates Foundation (BMGF)

**Synopsis of Program:**

The National Science Foundation (NSF) and the Bill & Melinda Gates Foundation (BMGF) are partnering to support a new research program to be administered by NSF. The objective of the BREAD Program is to support innovative scientific research designed to address key constraints to smallholder agriculture in the developing world. A significant distinction between BREAD and other NSF programs is that proposals to BREAD must make a clear and well-defined connection between the outcomes of the proposed research and its direct relevance and potential application to agriculture in the developing world. The BREAD Program will take the activities of the PGRP to the next level by supporting a broader range of scientific research and by enabling funding to be allocated to international collaborators through subawards.

The Program's focus is on novel, transformative research at the proof-of-concept stage rather than its application or development. Especially encouraged are original proposals that address major constraints to the productivity of crops important to smallholder farmers, or on the development of novel and efficient production practices. Although the Program places an initial emphasis on crop improvement, it will also consider innovative research proposals from scientists in all fields of research and engineering as long as the proposed research is consistent with the Program objectives. Proposals are also expected to address project outcomes in the context of broader societal impacts, and as appropriate to the research proposed, engage international partners in scientific collaborations.

**Cognizant Program Officer(s):**

- Deborah Delmer, telephone: (703) 292-8420, email: [bread-wg@nsf.gov](mailto:bread-wg@nsf.gov)

**Applicable Catalog of Federal Domestic Assistance (CFDA) Number(s):**

- 47.074 --- Biological Sciences

## Award Information

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**Anticipated Type of Award:** Continuing Grant

**Estimated Number of Awards:** 10 to 20

**Anticipated Funding Amount:** \$6,000,000 Up to \$6 million is anticipated to be available for first-year funding of this program in FY 2010, subject to availability of funds.

## Eligibility Information

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### Organization Limit:

Proposals may only be submitted by the following:

- Universities and colleges [universities and two- and four-year colleges (including community colleges) accredited in, and having a campus located in the US, acting on behalf of their faculty members. Such organizations also are referred to as academic institutions.]; US non-profit research organizations, including museums, research laboratories, professional societies; or similar organizations in the US that are directly associated with educational or research activities; or consortia led by the eligible organizations listed here.

A proposal from a consortium of organizations must be submitted as a single proposal with one US organization serving as the lead and all other organizations as subawardees. **Separately submitted collaborative proposals will not be accepted and will be returned without review.**

Subawards may be made to US or non-US academic institutions, research organizations, research laboratories, professional societies and similar organizations that are directly associated with educational or research activities.

### PI Limit:

The PI must hold a position at an eligible US institution (as defined above).

### Limit on Number of Proposals per Organization:

None Specified

### Limit on Number of Proposals per PI: 1

An investigator may serve as PI or Co-PI on only **one** proposal submitted in response to this solicitation.

## Proposal Preparation and Submission Instructions

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### A. Proposal Preparation Instructions

- **Letters of Intent:** Submission of Letters of Intent is required. Please see the full text of this solicitation for further information.
- **Preliminary Proposal Submission:** Not Applicable
- **Full Proposal Preparation Instructions:** This solicitation contains information that deviates from the standard NSF Proposal and Award Policies and Procedures Guide, Part I: Grant Proposal Guide (GPG) proposal preparation guidelines. Please see the full text of this solicitation for further information.

### B. Budgetary Information

- **Cost Sharing Requirements:** Cost Sharing is not required under this solicitation.
- **Indirect Cost (F&A) Limitations:** Indirect cost limitations apply to non-US subaward institutions. Please see the full text of this solicitation for further information.
- **Other Budgetary Limitations:** Other budgetary limitations apply. Please see the full text of this solicitation for further information.

### C. Due Dates

- **Letter of Intent Due Date(s) (required)** (due by 5 p.m. proposer's local time):  
August 05, 2009
- **Full Proposal Deadline(s)** (due by 5 p.m. proposer's local time):  
September 09, 2009

## Proposal Review Information Criteria

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**Merit Review Criteria:** National Science Board approved criteria. Additional merit review considerations apply. Please see the full text of this solicitation for further information.

## Award Administration Information

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**Award Conditions:** Standard NSF award conditions apply.

**Reporting Requirements:** Additional reporting requirements apply. Please see the full text of this solicitation for further information.

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## I. INTRODUCTION

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Agriculture is benefiting from advances in genomics made over the past decade and the outcomes of this research have allowed academic and industrial researchers to expand the breeders' toolkit, for example, to exploit the diversity of agronomically useful traits in wild and domesticated crop plants and to accelerate the development of new plant varieties through marker-assisted breeding. While support is available to promote the downstream applications derived from advances in science and technology to address constraints to developing country agriculture, there have been fewer funding opportunities to support development of cutting-edge and creative new approaches.

Clearly, new collaborations among a broad range of scientists and engineers are needed that lead to a different way of thinking about the major problems facing developing country agriculture. The NSF and the BMGF are partnering to offer a new research program to foster these collaborations and the transformative research that will emerge. The goal of the new BREAD Program is to build on the accomplishments of the National Plant Genome Initiative (NPGI), extending the opportunities to include international partners in efforts to generate innovative, science-based solutions to problems of smallholder agriculture in developing countries. Through these new partnerships and projects, it is anticipated that the Program will change the research culture to one that is more broadly inclusive of these needs.

The BREAD Program is a component of the Plant Genome Research Program (PGRP) that began in Fiscal Year 1998 as part of the NPGI. A new five-year plan for the NPGI was released in January 2009 (<http://www.ostp.gov/galleries/NSTC/NPGI%20Five-Year%20Plan%202009-2013.pdf>). The overall goals of the NPGI are to support basic research in plant genomics and to accelerate the acquisition and utilization of new knowledge and innovative approaches to elucidating fundamental biological processes in plants. The focus of the NPGI is on plants of agricultural importance and plant processes of potential agronomic value.

Since 2004, the PGRP has offered the Developing Country Collaborations in Plant Genome Research (DCC-PGR) funding opportunity ([http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=12789&org=BIO](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12789&org=BIO)) to support research collaborations between US scientists and scientists from developing countries as part of ongoing or new PGRP awards. The intent of the DCC-PGR program is to support collaborative research linking US researchers with partners from developing countries to solve problems of mutual interest in agriculture, energy and the environment, while placing US and international researchers at the center of a global network of scientific excellence.

The BREAD Program represents a new opportunity within the PGRP that allows for a broader engagement of researchers across disciplines and across international boundaries to form a new community of scientists who may not have worked together before. However, you do not have to have been part of a PGRP or DCC-PGR project to participate in BREAD.

## II. PROGRAM DESCRIPTION

The advances made over the past decade of the Plant Genome Research Program (PGRP) have led to the development of resources with potential benefit far beyond US agriculture. Indeed, the Dear Colleague Letter for Developing Country Collaborations in Plant Genome Research (NSF 04-563:

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=12789&org=BIO](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12789&org=BIO)) encourages proposers to consider inclusion of collaborative activities focused on research problems of importance to developing countries, including scientist-to-scientist interactions with the potential to lead to long-term partnerships among participating laboratories. Supported activities have included joint research projects and reciprocal exchange visits of up to one year in length. PGRP funding is provided to US institutions only.

The new BREAD Program will take the activities of the PGRP and DCC-PGR to the next level by supporting a broader range of scientific research and by enabling funding to be provided to eligible, US or non-US institutions through subawards. A major distinction between the BREAD Program and other programs at NSF is that proposals to the BREAD Program must make a clear and well-defined connection between the outcomes of the proposed research and its direct relevance and potential application to smallholder farming in the developing world. The Program focus is on novel, transformative research at the proof-of-concept stage rather than application or redevelopment of existing research outcomes. The Program is also receptive to high risk projects provided that they employ sound scientific principles and offer a high return if successful. High risk projects that do not provide a sound scientific basis for the proposed approach will be less competitive than projects that do provide this justification.

Proposals to the BREAD Program should employ state-of-the-art scientific approaches that address key constraints to agriculture as practiced by smallholder farmers in the developing world. For the purposes of this program, developing world countries are those defined by the World Bank as low- and middle-income economies (see World Bank Country Classification page, <http://www.worldbank.org/data/countryclass/classgroups.htm>). While projects may target constraints in specific regions of the developing world, those with the potential to impact broadly large areas and/or numbers of farmers would receive the highest priority for funding. However, the Program is not intended to target any specific country or region preferentially, and institutions eligible for sub-awards may exist in any country of the world, excluding those that are currently embargoed by the US government.

Successful applications will be ones that generate new knowledge and/or test new hypotheses to enable discoveries that can be moved rapidly to the field where needed and translated into future agricultural advances in developing countries. If proposals include one or more international developed or developing country partners, their specific role(s) and contributions to the project should be justified. While inclusion of a developing world partner is not a strict requirement, it is strongly encouraged.

Proposed projects may include a broad range of activities, from basic research to technology development and while genomics approaches can be involved, they are not required. However, proposals that are of a purely applied nature and focus on delivery of current technologies are beyond the scope of the BREAD Program.

Especially encouraged are original proposals that address key constraints to the productivity of crops important to smallholder farmers, or impact development of novel and efficient production practices. Although the major focus of the BREAD Program will be on approaches and technologies most relevant for smallholder agriculture in the developing world, it is recognized that some projects may be relevant to all crops (e.g., novel approaches to enhancing yield or tolerance to plant stresses such as drought or salinity), and so the program would also consider proposals for such projects. Recognizing that innovative ideas relevant to agriculture may come from many scientific disciplines, the Program will also consider innovative research proposals from scientists in all fields of science and engineering (excluding economics or the social sciences) as long as the proposed research is consistent with the BREAD Program objectives. However, proposals of any kind that focus on development of existing tools or resources or that would result in only small advances are outside the scope of this program.

Interdisciplinary proposals are encouraged, especially those that bring together researchers from disciplines that would not normally work together to focus on novel questions or challenges. Proposers are encouraged to consider carefully the roles of each co-PI or collaborator to ensure that each brings a unique, appropriate and necessary expertise to the project.

Simultaneous submission of proposals to this program and another source of funding is permissible with prior written approval of the funding agencies involved. A proposal from the submitter that is a duplicate of, or substantially similar to, a proposal already under consideration by NSF will be returned without review.

The BREAD Program should NOT be viewed as a mechanism to support the type of fundamental research that is or has already been supported through other programs at NSF or other similar agencies. Proposers are strongly encouraged to review carefully additional information provided on the Program web site ([http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=503403](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503403)) and to contact the Program Director for further guidance.

Examples of eligible research areas would include, but are by no means limited to, the following:

- Basic research that seek to exploit new discoveries in the plant sciences to develop novel ways to enhance the yield or the nutritional content of crops important to small-scale farmers.
- New strategies for creating resistance to major diseases and pests that affect plants, animals or insects of agricultural importance, and that have major impact in broad regions of the developing world.
- Novel approaches to basic research on the enhancement of water-, nitrogen- or phosphate-use efficiency in crops or to gain a better understanding and control of agronomically important processes such as tolerance to drought and salinity.
- Novel approaches to using the genetic diversity of plants, microbes, or animals to enhance the ability of small-scale farmers to adapt to emerging threats of global climate change, emerging diseases, and the rising costs of energy.
- Development of new products or novel ways to enhance the ability of plant and animal products to delay ripening and/or withstand storage under less-than-ideal conditions prevalent in many parts of the developing world.
- Application of new advances in fields such as nanotechnology to the development of novel and more efficient ways to deliver fertilizers and thus address poor soil fertility without negatively affecting the environment.
- Creation of novel low-cost, high-throughput tools for use in breeding or disease diagnostics, especially suited to developing world agriculture.
- Basic research towards the development of new technologies or devices for local or remote monitoring of crops.
- Basic research aimed at development of low-cost, efficient devices for energy production and storage appropriate to small-scale agriculture in remote settings.

### Additional considerations:

*International Collaboration:* International collaborative plant genome research is actively pursued all over the world. International research collaboration is strongly encouraged in the BREAD Program, particularly with investigators from developing countries, and especially where there is a common research focus or system. **However, the PI must hold an appointment at an eligible US institution. Proposals will not be accepted from a non-US institution serving as the lead institution. Subawardee(s) may be eligible US or non-US institutions.** Subaward activities should be clearly connected to the overall goals of the proposed research and the human and institutional capacities available for the project described for each institution. **Before proposal submission, all proposed US or non-US subawardee institutions must be registered with Central Contractor Registration**

(<http://www.ccr.gov>). This registration takes approximately 2-3 weeks, and there are no financial requirements for registration.

*Industrial Collaboration:* Private industry has already made a significant investment in plant genomic research. Innovative collaborations with industry are encouraged when they advance the goals of the program. Participation of a company as a provider of a service should be managed according to the submitting institution's procurement policy. When private industry is involved, the proposer is responsible for ensuring that any intellectual property issues are handled according to the program policy (see section A-1 under Special Information and Supplementary Documentation below).

*Integration of Research and Education and Broadening Participation:* Proposers are encouraged to take advantage of opportunities to train young scientists in the course of proposed projects and to promote increased participation by members of under-represented groups. Innovative approaches to training are encouraged where they fit with the goals of the proposal and may include training of young scientists in research programs of institutions in the developing world that are building programs that aim to apply the advanced sciences to agriculture. However, proposals focused primarily on supporting existing or new training programs are not eligible and may be returned without review. A mentoring plan must be included for all supported postdoctoral researchers and students as specified under Special Information and Supplementary Documentation sections A-5 and A-6 below.

*Data sharing:* Proposals that would generate large amounts of data or new software and the like should present a plan for how these resources will be made widely available and access ble, notably to developing countries. Where appropriate, project outcomes are expected to meet current community standards for genomic data and be deposited into existing long-lived community databases. For more details, see section A-1 under Special Information and Supplementary Documentation below.

*Societal Impacts:* The societal benefits and potential long-term impacts on developing country agriculture of the proposed research should be integrated into the Project Description.

### III. AWARD INFORMATION

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Most projects are anticipated to be supported for 3 years, with funding for each succeeding year dependent upon meeting annual financial and technical reporting requirements. Awards may range in size from \$150,000 per year to a total of \$600,000 per year for projects involving no more than 3 subawardee institutions. Proposers of projects with budgets outside these general guidelines should consult with the Program Director prior to proposal submission.

### IV. ELIGIBILITY INFORMATION

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#### Organization Limit:

Proposals may only be submitted by the following:

- Universities and colleges [universities and two- and four-year colleges (including community colleges) accredited in, and having a campus located in the US, acting on behalf of their faculty members. Such organizations also are referred to as academic institutions.]; US non-profit research organizations, including museums, research laboratories, professional societies; or similar organizations in the US that are directly associated with educational or research activities; or consortia led by the eligible organizations listed here.

A proposal from a consortium of organizations must be submitted as a single proposal with one US organization serving as the lead and all other organizations as subawardees. **Separately submitted collaborative proposals will not be accepted and will be returned without review.**

Subawards may be made to US or non-US academic institutions, research organizations, research laboratories, professional societies and similar organizations that are directly associated with educational or research activities.

#### PI Limit:

The PI must hold a position at an eligible US institution (as defined above).

#### Limit on Number of Proposals per Organization:

None Specified

#### Limit on Number of Proposals per PI: 1

An investigator may serve as PI or Co-PI on only **one** proposal submitted in response to this solicitation.

#### Additional Eligibility Info:

None.

### V. PROPOSAL PREPARATION AND SUBMISSION INSTRUCTIONS

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#### A. Proposal Preparation Instructions

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### Letters of Intent (required):

Letters of Intent are required but non-binding. The Letters of Intent will be used to guide the Program in identification of reviewers and panelists appropriate for the anticipated scope and number of proposals. However, feedback will not be provided to the submitters. One letter may be submitted per PI.

Letters of Intent should contain the following materials only:

1. Name and institution of the PI, as well as the names, institutions, and locations of anticipated co-PIs and collaborators.
2. Title of the proposal
3. Summary of the proposed work in 2500 characters or less

### Letter of Intent Preparation Instructions:

When submitting a Letter of Intent through FastLane in response to this Program Solicitation please note the conditions outlined below:

- Sponsored Projects Office (SPO) Submission is not required when submitting Letters of Intent
- Project Personnel (including institutions and countries) is required when submitting Letters of Intent
- Submission of multiple Letters of Intent is not allowed

**Full Proposal Instructions:** Proposals submitted in response to this program solicitation should be prepared and submitted in accordance with the guidelines specified in the NSF Grant Proposal Guide (GPG). The complete text of the GPG is available electronically on the NSF website at: [http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=gpg](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=gpg). Paper copies of the GPG may be obtained from the NSF Publications Clearinghouse, telephone (703) 292-PUBS (7827) or by e-mail from [nsfpubs@nsf.gov](mailto:nsfpubs@nsf.gov).

**Special Instructions for BREAD Proposal Preparation:** Unless indicated below, proposers should follow the guidelines for Full Proposals as outlined in the NSF Grant Proposal Guide.

**Proposal Cover Sheet:** In the NSF FastLane system, follow the instructions on proposal preparation. When completing the cover sheet, please consider the following. The Project title must start with "BREAD:...." Click on the "GO" button at "Program Announcement/Solicitation/Program Description No." Highlight BREAD Program and click on the "SELECT" button. Your proposal will automatically be assigned to BIO—BREAD Program. Be sure to complete the remainder of the cover sheet information.

**Project Summary (maximum 1 page):** The project summary should consist of three separate parts in the following order:

1. A list of US and non-US senior personnel (PI, Co-PIs, key collaborators) along with their home institutions;
2. A summary of the scientific objectives and approaches indicating the extent to which the proposed activity suggests and explores creative, original, and potentially transformative concepts; and
3. Expected broader impacts of the proposed research including societal benefits and the potential long-term impacts on developing country agriculture.

**Both the intellectual merit and the anticipated broader impacts must be addressed or the proposal will be returned without review.** See Section VI. of this solicitation for additional information. The **potentially transformative** aspects of the proposed research should be addressed, as appropriate (<http://www.nsf.gov/pubs/2007/in130/in130.jsp>). Please consult <http://www.nsf.gov/pubs/gpg/broaderimpacts.pdf> for additional information about broader impacts.

**Project Description (maximum 15 pages, including figures and tables):** In addition to the standard description in the GPG, the guidelines below should be followed, noting that the page allowances listed are part of the overall 15-page maximum:

1. Describe, with reference to appropriate published background material, the constraint(s) to developing world agriculture to be addressed and make clear how the proposed research would provide solutions to these constraints. Pay special attention to integrating the broader impacts of the research into the entire project description, in particular, making clear how outcomes of a successful project would impact smallholder agriculture.
2. Provide a clear description of the intellectual aspects of any collaborations among the US and international partners and how they synergize to advance the research and education goals. The unique contributions expected from each collaborator should be outlined.
3. The key research elements should be outlined clearly. ***Use of innovative approaches that involve state-of-the-art science is particularly encouraged.***
4. Description of outcomes from prior NSF support following the GPG guidelines is only required for the PI or US Co-PIs.

**References Cited:** Indicate with an asterisk any cited publications that resulted from prior research funded by NSF for the PI, or Co-PI when following the GPG guidelines for all references cited.

**Biographical Sketches (2 pages each):** Biographical sketches following the GPG guidelines must be listed for the PI, Co-PIs and each of the Senior Personnel listed on the Project Summary page, both US and non-US. Please limit the overall number of biographical sketches to 10, prioritizing as required.

**Budget and Budget Justification:** (maximum of 6 pages for the budget justification)

1. If a non-US subawardee institution does not separate fringe benefits (F&A) from the total salary, please indicate in the Budget Justification that the salary requested includes fringe benefits
2. Travel: Funds to cover the estimated cost of attendance of the PI and up to one Co-PI at the annual awardee meeting (location TBD, within the US) should be requested.
3. Subawards: All subawards should be totaled on this line. A separate budget must be submitted for each subaward (maximum 3 pages per budget) that is consistent with the GPG. All budgets must be in US dollars.
4. Non-US subawardees may not request indirect costs unless evidence is provided as a Single Copy Document that the foreign grantee has a previously negotiated rate agreement with a US Federal Agency that has a practice of negotiating rates with foreign entities.

Non-US subawardees that do not have a US Federal Agency negotiated indirect cost rate agreement may claim costs associated with compliance under direct costs (G.6 Other) as long as the specific items are described in the Budget Justification. Eligible costs are limited to 8% of direct costs and may include, but are not limited to, the following:

- Financial record keeping;
- Audits of financial records;
- Project management;
- Acquisition of permits, licenses, import or export documents required to carry out the proposed research;
- Project-specific costs for critical research services (e.g., special IT access, extraordinary water or utility costs);
- US visas required for visits associated with project activities.

*Organizations may not claim both indirect costs and the direct cost of compliance.*

5. Within the budget narrative, US lead institutions should explain what resources will be allocated to oversight, monitoring, and, as needed, education for non-US subawardees to comply with requirements related to financial accountability and research ethics.

Proposers are strongly encouraged to contact a Program Director with any questions regarding cost eligibility.

**Current and Pending Support:** Current and Pending Support following the GPG guidelines must be listed for the PI, Co-PIs and each of the Senior Personnel (domestic and foreign) listed on the Project Summary page.

**Facilities, Equipment and Other Resources:** Provide a description of available facilities and priorities for their use for all key domestic and foreign institutions.

**Special Information and Supplementary Documentation:** Include the following materials in addition to Project Description. These materials should be labeled clearly and included in the **Supplementary Documents** section of FastLane. Provide only the allowable and applicable items as noted in the GPG and in this section. Include the materials in the FastLane submission by uploading them into the "Supplementary Docs" module of the FastLane system.

**(A-1) Sharing of Results and Management of Intellectual Property (maximum 3 pages):** Describe the management of intellectual property rights related to the proposed project, including plans for sharing data, information, materials, and/or any plans for protection of technologies or new devices resulting from the award with specific attention to the implications of data access for developing countries. This plan must be specific about the nature of the results to be shared, the timing and means of release, and any constraints on release. The proposed plan must take into consideration the following conditions where applicable:

- Nucleic acid sequences must be released according to the currently accepted community standard (e.g. Bermuda/Ft. Lauderdale agreement) to public databases (GenBank, if applicable), as soon as they are assembled and the quality checked against a stated, pre-determined quality standard.
- Proposals that would develop genome-scale expression data through approaches such as microarrays should meet community standards for these data (for example, Minimum Information about a Microarray Experiment or MIAME standards). The community databases (e.g. Gene Expression Omnibus) into which the data would be deposited, in addition to any project database(s) should be indicated.
- If the proposed project would produce community resources (biological materials, software, etc.), NSF encourages that they be made available as soon as their quality is checked to satisfy the specifications approved prior to funding. The timing of release should be stated clearly in the proposal. The resources produced must be available to all segments of the scientific community, including industry. A reasonable charge is permissible, but the fee structure must be outlined clearly in the proposal. If accessibility differs between industry and the academic community, the differences must be clearly spelled out. If a Material Transfer Agreement is required for release of project outcomes, the terms must be described in detail.
- When the project involves the use of proprietary data or materials from other sources, the data or materials resulting from BREAD-funded research must be readily available without any restrictions to the users of such data or materials (no reach-through rights). The terms of any usage agreements should be stated clearly in the proposal.
- Budgeting and planning for short-term and long-term distribution of the project outcomes must be described in the proposal. If a fee is to be charged for distribution of project outcomes, the details should be described clearly in the proposal. Letters of commitment should be provided from databases or stock centers that would distribute project outcomes, including an indication of what activities would be undertaken and funds needed for these activities (if any).
- The project should be aware of, and abide by, the general policies of NSF with respect to the patenting and licensing of any new technologies or devices that may be generated in the course of the project (see Award & Administration Guide, Chapter VI Section B. Intellectual Property).
- In case of a multi-institutional proposal, the lead institution is responsible for coordinating and managing the intellectual property resulting from the BREAD award. Institutions participating in multi-institutional projects should formulate a coherent plan for the project prior to submission of the proposal.

**(A-2) Project Management Plan (maximum 3 pages):** Projects involving more than one investigator and/or more than one institution must provide a description of the management plan for coordinating activities.

- This description should include plans for internal means of communication, coordination of data and information management, evaluation and assessment of progress, allocation of funds and personnel and other specific issues relevant to the proposed activities.
- For proposals with more than one investigator, a table summarizing the role of each investigator is required. The exact time commitment of each key project member should be indicated in the management plan, regardless of any request for his/her salary from NSF.
- A letter expressing an intent to collaborate is required from any non-US subawardee institution or any non-US scientist listed as a Co-PI who would not receive a sub-award, to be filed as a Supplementary Document.
- For proposals involving international travel, describe the process for US travelers to obtain any required visas and, through the submitting institution, for providing documentation in support of US visas for foreign counterparts needing to travel to the United States as part of the project. The PI and lead institution are also responsible for obtaining research permits and import/export documents where necessary. PIs should review NSF's web page "Information for US Travelers" <http://www.nsf.gov/od/oise/for-travelers-main.jsp>. Among other things, this page includes information regarding the collection of genetic resources outside the US.

**(A-3) Oversight Plan (maximum 3 pages):** Projects with subawards must provide a description of the lead institution's Oversight Plan for those subawards, including:

- Ensuring financial accountability, including the monitoring of expenditures and reporting on outcomes, for all subawardees. In this regard, the submitting institution should also provide a description of any past experiences in dealing with subawards to foreign institutions, particularly in the country(ies) where subawards would be made in this proposal.
- Ensuring compliance with regulations for the use of recombinant DNA, microbes, transgenic plants or animals, including any work involving vertebrate animals (see GPG Chapter II.D.6).
- Ensuring compliance with regulations relating to the US Agricultural Bioterrorism Act of 2002 ([http://www.aphis.usda.gov/programs/ag\\_selectagent/](http://www.aphis.usda.gov/programs/ag_selectagent/)).
- Adherence to common principles for the responsible conduct of research and the investigation of research misconduct allegations (as reference, see OECD Global Science Forum materials at [http://www.oecd.org/document/13/0,3343,en\\_2649\\_34319\\_42713613\\_1\\_1\\_1\\_1,00.html](http://www.oecd.org/document/13/0,3343,en_2649_34319_42713613_1_1_1_1,00.html) and NIH Fogarty International Center materials at <http://bms.brown.edu/fogarty/codes.htm>).
- BREAD does not anticipate the use of any human subjects in proposed research, and if any is anticipated, the PI must contact the Program Officer of BREAD for advice.

**(A-4) Plans for Dissemination of Project Outcomes (maximum 3 pages):** Provide details for how the project outcomes will be

disseminated, including timing and location for deposition of materials and/or data into public repositories (stock centers, databases). For software, indicate whether it will be open source and describe the proposed terms for access and use. For devices, indicate how and where the plans will be made available and under what terms. The plans should also consider the international context of the work, e.g. creating easily accessible and readable web pages, making journal publications easily accessible to developing countries, and/or fostering creative relationships with ListServes and other forms of media that cover developing world issues. The plans should include letters of commitment from databases or stock centers that would be asked to distribute project outcomes, if applicable.

**(A-5) Plans for Postdoctoral Mentoring (maximum 1 page):** All proposals that include funding to support postdoctoral researchers must include a description of the mentoring activities that will be provided for such individuals, and shall ensure that this part of the proposal is evaluated under the Foundation's broader impacts merit review criterion. Mentoring activities may include career counseling, training in preparing grant proposals, guidance on ways to improve teaching skills, and training in research ethics.

**(A-6) Plans for Undergraduate and Graduate Student Mentoring (maximum 1 page):** All proposals that include funding to support undergraduate or graduate students must include a description of the mentoring activities that will be provided for such individuals, and shall ensure that this part of the proposal is evaluated under the Foundation's broader impacts merit review criterion.

**Any material not specifically requested or in excess of the page allowances will be discarded prior to review.** It is the submitting institution's responsibility to ensure that the proposal is compliant with the guidelines. Non-compliant proposals may be returned without review.

#### Single Copy Documents:

**Conflict of Interest Document:** A single integrated document (in table or spreadsheet form only) should be uploaded into the **Single Copy Documents (not Supplementary Documents)** section of FastLane at the time of proposal submission. Hard copies or e-mail copies will not be accepted. The document should consist of a list in the form of a single alphabetized table, with the full names (Last name, first name, middle initial) of all people having a conflict of interest with any US or non-US senior personnel and any named personnel member whose salary is requested in the project budget. Conflicts to be identified are (1) Ph.D. thesis advisors or advisees, (2) collaborators or co-authors for the past 48 months, including postdoctoral advisors and advisees, (3) co-editors of a journal, compendium, or conference proceeding for the past 24 months and (4) any other individuals or institutions with which the investigator has financial ties (please specify type). Members of current Advisory Committee or speakers who received reimbursement for travel or honoraria should be included in this last category.

In addition to the Conflict of Interest Document, other correspondence to the program not intended to be sent to reviewers such as a list of potential reviewers can be sent as Single Copy Documents. Please note that key project personnel may be required, prior to an award decision, to submit copies of any intellectual property agreements or material transfer agreements they have signed, or are planning to sign, that would impact the unrestricted and timely distribution of the outcomes of the NSF-funded research. Submission of a Single Copy Document will allow these documents to be reviewed by the NSF officials only, and they will remain confidential.

**Prior Negotiated Indirect Cost Rate.** If a non-US institution proposed as a subawardee has a negotiated indirect cost rate with a US Government Agency, provide substantiation of this rate as a Single Copy Document.

#### Checklist for Proposal Preparation

- Title begins "BREAD:..."
- Project Summary contains all requested information, including broader impacts of the proposed work.
- Project Description is 15 pages or less in length, including figures, tables, and discussion of societal impacts.
- References Cited includes publications resulting from prior research funded by NSF (marked\*).
- Biographical Sketches (2 pages each) included for PI, Co-PIs and Senior Personnel listed in the Project Summary.
- Budget and budget justification, including separate budgets and budget justifications for each subawardee institution. Requests for travel to annual BREAD awardee meeting should also be included.
- Current and Pending Support Statements included for PI, Co-PIs and Senior Personnel listed in the Project Summary.
- Facilities, Equipment and Other Resources for all key domestic and foreign institutions
- Sections (A-1), (A-2), (A-3), (A-4), (A-5), and (A-6) uploaded in Supplementary Documents
- Supplementary documents include letters of commitment from databases or stock centers that would distribute project outcomes, if applicable.
- No general letters of support are included in Supplementary Documents; however a letter expressing an intent to collaborate is required from any non-US subawardee institution or any non-US scientist listed as a Co-PI who would not receive a sub-award.
- Conflict of Interest list uploaded as a single integrated table or spreadsheet into Single Copy Documents.
- Prior negotiated indirect cost rate uploaded as a Single Copy Document, as applicable.

This checklist is not intended to be an all-inclusive repetition of the required proposal contents and associated proposal preparation guidelines. It is, however, meant to highlight certain critical items so they will not be overlooked when the proposal is prepared.

Proposers are reminded to identify the program solicitation number (NSF 09-566) in the program solicitation block on the NSF Cover Sheet For Proposal to the National Science Foundation. Compliance with this requirement is critical to determining the relevant proposal processing guidelines. Failure to submit this information may delay processing.

## B. Budgetary Information

**Cost Sharing:** Cost sharing is not required under this solicitation

**Indirect Cost (F&A) Limitations:** Indirect cost limitations apply to non-US subaward institutions. Please see the full text of this solicitation for further information.

**Other Budgetary Limitations:** No indirect costs are allowed on subawards to non-US institutions unless they have previously negotiated an indirect cost rate with a US Government agency. See Proposal Preparation Instructions section on Budget and Budget Justification for details on allowable costs of compliance.

## C. Due Dates

- **Letter of Intent Due Date(s) (required)** (due by 5 p.m. proposer's local time):

August 05, 2009

- **Full Proposal Deadline(s)** (due by 5 p.m. proposer's local time):

September 09, 2009

Full proposals must be received no later than 5:00 p.m. local time on the due date. Proposals received after this time will be returned without review.

## D. FastLane Requirements

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Proposers are required to prepare and submit all proposals for this program solicitation through use of the NSF FastLane system. Detailed instructions regarding the technical aspects of proposal preparation and submission via FastLane are available at: <http://www.fastlane.nsf.gov/a1/newstan.htm>. For FastLane user support, call the FastLane Help Desk at 1-800-673-6188 or e-mail [fastlane@nsf.gov](mailto:fastlane@nsf.gov). The FastLane Help Desk answers general technical questions related to the use of the FastLane system. Specific questions related to this program solicitation should be referred to the NSF program staff contact(s) listed in Section VIII of this funding opportunity.

**Submission of Electronically Signed Cover Sheets.** The Authorized Organizational Representative (AOR) must electronically sign the proposal Cover Sheet to submit the required proposal certifications (see Chapter II, Section C of the [Grant Proposal Guide](#) for a listing of the certifications). The AOR must provide the required electronic certifications within five working days following the electronic submission of the proposal. Further instructions regarding this process are available on the FastLane Website at: <http://www.fastlane.nsf.gov/fastlane.jsp>.

## VI. NSF PROPOSAL PROCESSING AND REVIEW PROCEDURES

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Proposals received by NSF are assigned to the appropriate NSF program where they will be reviewed if they meet NSF proposal preparation requirements. All proposals are carefully reviewed by a scientist, engineer, or educator serving as an NSF Program Officer, and usually by three to ten other persons outside NSF who are experts in the particular fields represented by the proposal. These reviewers are selected by Program Officers charged with the oversight of the review process. Proposers are invited to suggest names of persons they believe are especially well qualified to review the proposal and/or persons they would prefer not review the proposal. These suggestions may serve as one source in the reviewer selection process at the Program Officer's discretion. Submission of such names, however, is optional. Care is taken to ensure that reviewers have no conflicts of interest with the proposal.

### A. NSF Merit Review Criteria

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All NSF proposals are evaluated through use of the two National Science Board (NSB)-approved merit review criteria: intellectual merit and the broader impacts of the proposed effort. In some instances, however, NSF will employ additional criteria as required to highlight the specific objectives of certain programs and activities.

The two NSB-approved merit review criteria are listed below. The criteria include considerations that help define them. These considerations are suggestions and not all will apply to any given proposal. While proposers must address both merit review criteria, reviewers will be asked to address only those considerations that are relevant to the proposal being considered and for which the reviewer is qualified to make judgements.

#### **What is the intellectual merit of the proposed activity?**

How important is the proposed activity to advancing knowledge and understanding within its own field or across different fields? How well qualified is the proposer (individual or team) to conduct the project? (If appropriate, the reviewer will comment on the quality of the prior work.) To what extent does the proposed activity suggest and explore creative, original, or potentially transformative concepts? How well conceived and organized is the proposed activity? Is there sufficient access to resources?

#### **What are the broader impacts of the proposed activity?**

How well does the activity advance discovery and understanding while promoting teaching, training, and learning? How well does the proposed activity broaden the participation of underrepresented groups (e.g., gender, ethnicity, disability, geographic, etc.)? To what extent will it enhance the infrastructure for research and education, such as facilities, instrumentation, networks, and partnerships? Will the results be disseminated broadly to enhance scientific and technological understanding? What may be the benefits of the proposed activity to society?

Examples illustrating activities likely to demonstrate broader impacts are available electronically on the NSF website at: <http://www.nsf.gov/pubs/gpg/broaderimpacts.pdf>.

Mentoring activities provided to postdoctoral researchers supported on the project, as described in a one-page supplementary document, will be evaluated under the Broader Impacts criterion.

NSF staff also will give careful consideration to the following in making funding decisions:

#### ***Integration of Research and Education***

One of the principal strategies in support of NSF's goals is to foster integration of research and education through the programs, projects, and activities it supports at academic and research institutions. These institutions provide abundant opportunities where individuals may concurrently assume responsibilities as researchers, educators, and students and where all can engage in joint efforts that infuse education with the excitement of discovery and enrich research through the diversity of learning perspectives.

#### ***Integrating Diversity into NSF Programs, Projects, and Activities***

Broadening opportunities and enabling the participation of all citizens -- women and men, underrepresented minorities, and persons with disabilities -- is essential to the health and vitality of science and engineering. NSF is committed to this principle of diversity and deems it central to the programs, projects, and activities it considers and supports.

#### Additional Review Criteria:

- *International Collaboration:* Proposers are strongly encouraged to include one or more international collaborators as appropriate for the proposed research. Collaborations are encouraged that would build on the specific knowledge, local resources or agricultural needs of the international participants. Where applicable, proposed research activities should be coordinated with similar efforts in other countries to maximize efficiency and avoid unnecessary duplication of effort.
- *Data Sharing:* Proposers are encouraged to consider project outcomes in the context of the broader international community and ensure maximal accessibility and visibility to all. Outcomes are expected to meet current community standards for genomics data and be deposited in long-lived community databases where appropriate.
- *Integration of Research and Education and Broadening Participation:* Activities supported through the NSF-BMGF Program should provide an ideal environment for training young scientists in modern research technologies, introducing them to new paradigms in biology, and promoting increased participation by members of under-represented groups. NSF expects proposers to take advantage of the unique opportunities the proposed project provides in terms of education and incorporate these into the plan at a scale that is commensurate with the scale and scope of the proposed activity. Focused activities that fit well with the specific opportunities offered by the project would be viewed as a strength. However, projects that focus primarily on education or training are beyond the scope of the program and may be returned without review. Proposers are strongly encouraged to contact a Program Director for additional guidance.
- *Societal Impacts:* Issues related to societal impact, including implications for developing country agriculture, should be addressed as an integral part of the proposal. These may be integrated into an education and/or outreach activity designed to communicate the significance of the outcomes to the end-users.

## B. Review and Selection Process

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Proposals submitted in response to this program solicitation will be reviewed by Ad hoc Review and/or Panel Review.

Reviewers will be asked to formulate a recommendation to either support or decline each proposal. The Program Officer assigned to manage the proposal's review will consider the advice of reviewers and will formulate a recommendation.

After scientific, technical and programmatic review and consideration of appropriate factors, the NSF Program Officer recommends to the cognizant Division Director whether the proposal should be declined or recommended for award. NSF is striving to be able to tell applicants whether their proposals have been declined or recommended for funding within six months. The time interval begins on the deadline or target date, or receipt date, whichever is later. The interval ends when the Division Director accepts the Program Officer's recommendation.

A summary rating and accompanying narrative will be completed and submitted by each reviewer. In all cases, reviews are treated as confidential documents. Verbatim copies of reviews, excluding the names of the reviewers, are sent to the Principal Investigator/Project Director by the Program Officer. In addition, the proposer will receive an explanation of the decision to award or decline funding.

In all cases, after programmatic approval has been obtained, the proposals recommended for funding will be forwarded to the Division of Grants and Agreements for review of business, financial, and policy implications and the processing and issuance of a grant or other agreement. Proposers are cautioned that only a Grants and Agreements Officer may make commitments, obligations or awards on behalf of NSF or authorize the expenditure of funds. No commitment on the part of NSF should be inferred from technical or budgetary discussions with a NSF Program Officer. A Principal Investigator or organization that makes financial or personnel commitments in the absence of a grant or cooperative agreement signed by the NSF Grants and Agreements Officer does so at their own risk.

## VII. AWARD ADMINISTRATION INFORMATION

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### A. Notification of the Award

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Notification of the award is made to *the submitting organization* by a Grants Officer in the Division of Grants and Agreements. Organizations whose proposals are declined will be advised as promptly as possible by the cognizant NSF Program administering the program. Verbatim copies of reviews, not including the identity of the reviewer, will be provided automatically to the Principal Investigator. (See Section VI.B. for additional information on the review process.)

### B. Award Conditions

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An NSF award consists of: (1) the award letter, which includes any special provisions applicable to the award and any numbered amendments thereto; (2) the budget, which indicates the amounts, by categories of expense, on which NSF has based its support (or otherwise communicates any specific approvals or disapprovals of proposed expenditures); (3) the proposal referenced in the award letter; (4) the applicable award conditions, such as Grant General Conditions (GC-1); \* or Research Terms and Conditions \* and (5) any announcement or other NSF issuance that may be incorporated by reference in the award letter. Cooperative agreements also are administered in accordance with NSF Cooperative Agreement Financial and Administrative Terms and Conditions (CA-FATC) and the applicable Programmatic Terms and Conditions. NSF awards are electronically signed by an NSF Grants and Agreements Officer and transmitted electronically to the organization via e-mail.

\*These documents may be accessed electronically on NSF's Website at [http://www.nsf.gov/awards/managing/award\\_conditions.jsp?org=NSF](http://www.nsf.gov/awards/managing/award_conditions.jsp?org=NSF). Paper copies may be obtained from the NSF Publications Clearinghouse, telephone (703) 292-7827 or by e-mail from [nsfpubs@nsf.gov](mailto:nsfpubs@nsf.gov).

More comprehensive information on NSF Award Conditions and other important information on the administration of NSF awards is contained in the *NSF Award & Administration Guide* (AAG) Chapter II, available electronically on the NSF Website at [http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=aag](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=aag).



## C. Reporting Requirements

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For all multi-year grants (including both standard and continuing grants), the Principal Investigator must submit an annual project report to the cognizant Program Officer at least 90 days before the end of the current budget period. (Some programs or awards require more frequent project reports). Within 90 days after expiration of a grant, the PI also is required to submit a final project report.

Failure to provide the required annual or final project reports will delay NSF review and processing of any future funding increments as well as any pending proposals for that PI. PIs should examine the formats of the required reports in advance to assure availability of required data.

PIs are required to use NSF's electronic project-reporting system, available through FastLane, for preparation and submission of annual and final project reports. Such reports provide information on activities and findings, project participants (individual and organizational) publications; and, other specific products and contributions. PIs will not be required to re-enter information previously provided, either with a proposal or in earlier updates using the electronic system. Submission of the report via FastLane constitutes certification by the PI that the contents of the report are accurate and complete.

Additional reporting requirements, including financial and scientific reports, will be detailed in the award letter.

## VIII. AGENCY CONTACTS

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General inquiries regarding this program should be made to:

- Deborah Delmer, telephone: (703) 292-8420, email: [bread-wg@nsf.gov](mailto:bread-wg@nsf.gov)

For questions related to the use of FastLane, contact:

- FastLane Help Desk, telephone: 1-800-673-6188; e-mail: [fastlane@nsf.gov](mailto:fastlane@nsf.gov).
- Lauren Kitchen, telephone: (703) 292-8420, email: [bread-wg@nsf.gov](mailto:bread-wg@nsf.gov)

## IX. OTHER INFORMATION

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The NSF Website provides the most comprehensive source of information on NSF Directorates (including contact information), programs and funding opportunities. Use of this Website by potential proposers is strongly encouraged. In addition, National Science Foundation Update is a free e-mail subscription service designed to keep potential proposers and other interested parties apprised of new NSF funding opportunities and publications, important changes in proposal and award policies and procedures, and upcoming NSF Regional Grants Conferences. Subscribers are informed through e-mail when new publications are issued that match their identified interests. Users can subscribe to this service by clicking the "Get NSF Updates by Email" link on the [NSF web site](#).

Grants.gov provides an additional electronic capability to search for Federal government-wide grant opportunities. NSF funding opportunities may be accessed via this new mechanism. Further information on Grants.gov may be obtained at <http://www.grants.gov>.

## ABOUT THE NATIONAL SCIENCE FOUNDATION

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The National Science Foundation (NSF) is an independent Federal agency created by the National Science Foundation Act of 1950, as amended (42 USC 1861-75). The Act states the purpose of the NSF is "to promote the progress of science; [and] to advance the national health, prosperity, and welfare by supporting research and education in all fields of science and engineering."

NSF funds research and education in most fields of science and engineering. It does this through grants and cooperative agreements to more than 2,000 colleges, universities, K-12 school systems, businesses, informal science organizations and other research organizations throughout the US. The Foundation accounts for about one-fourth of Federal support to academic institutions for basic research.

NSF receives approximately 40,000 proposals each year for research, education and training projects, of which approximately 11,000 are funded. In addition, the Foundation receives several thousand applications for graduate and postdoctoral fellowships. The agency operates no laboratories itself but does support National Research Centers, user facilities, certain oceanographic vessels and Antarctic research stations. The Foundation also supports cooperative research between universities and industry, US participation in international scientific and engineering efforts, and educational activities at every academic level.

*Facilitation Awards for Scientists and Engineers with Disabilities* provide funding for special assistance or equipment to enable persons with disabilities to work on NSF-supported projects. See Grant Proposal Guide Chapter II, Section D.2 for instructions regarding preparation of these types of proposals.

The National Science Foundation has Telephonic Device for the Deaf (TDD) and Federal Information Relay Service (FIRS) capabilities that enable individuals with hearing impairments to communicate with the Foundation about NSF programs, employment or general information. TDD may be accessed at (703) 292-5090 and (800) 281-8749, FIRS at (800) 877-8339.

The National Science Foundation Information Center may be reached at (703) 292-5111.

The National Science Foundation promotes and advances scientific progress in the United States by competitively awarding

grants and cooperative agreements for research and education in the sciences, mathematics, and engineering.

To get the latest information about program deadlines, to download copies of NSF publications, and to access abstracts of awards, visit the NSF Website at <http://www.nsf.gov>

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## PRIVACY ACT AND PUBLIC BURDEN STATEMENTS

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11/07/06  
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Begin forwarded message:

**From:** "Gary C Peterson" <[g-peterson1@tamu.edu](mailto:g-peterson1@tamu.edu)>  
**Date:** August 25, 2009 11:39:09 AM CDT  
**To:** "John E Mullet" <[jmullet@tamu.edu](mailto:jmullet@tamu.edu)>  
**Subject:** Zambia BREAD proposal

John,

I coordinate the southern Africa regional program for INTSORMIL. Zambia is a participant in the program due to the strength of the sorghum and pearl millet breeding programs. Candidates for short-term (4-6 week) programs or graduate degree programs are always needed.

A technician associated with the Zambia sorghum breeding program, Lloyd Mbulwe, completed an M.S. degree in the U.K. (Nottingham) with an emphasis in molecular biology. Dr. Medson Chisi, the Zambian sorghum breeder, is interested in Lloyd visiting TAMU to work in the sorghum program. I will be working to step-up a program for next year beginning in June. Lloyd would be primarily at CS but will also be at Corpus Christi and College Station. Information on Lloyd can be viewed at ABNETA. If the program can be arranged and Lloyd does well he will be a potential candidate for a PhD program. I don't believe I have met Lloyd.

If this information will be helpful to your BREAD proposal feel free to include. If you want additional information on Lloyd let me know and I'll contact Medson. I will be visiting South Africa in November and a stop in Zambia could be arranged if needed.

Regards,

Gary

Gary C. Peterson  
Professor  
Texas AgriLife Research & Extension Center  
1102 E. FM 1294  
Lubbock, TX 79403  
[g-peterson1@tamu.edu](mailto:g-peterson1@tamu.edu) or [gpeterso@ag.tamu.edu](mailto:gpeterso@ag.tamu.edu)  
tel: 806-746-4019  
fax: 806-746-6528



**From:** [Yolanda Eliette Palacio](#)  
**To:** [marcha@inta.gob.ni](#); [kmorales@inta.gob.ni](#); [mobando@inta.gob.ni](#); [Samuel Avendano](#); [Rene Clara](#); [raobando](#); [Vilma Ruth Calderon](#); [Vilma Ruth Calderon de Zacatares](#); [Bill Rooney](#); [wlr@neo.tamu.edu](#)  
**Subject:** Fwd: aceptación trabajo PCCMCA  
**Date:** Friday, August 14, 2009 10:52:50 AM  
**Attachments:** [YOLANDA ELIETTE PALACIO.pdf](#)  
[YOLANDA ELIETTE PALACIO-2.pdf](#)

---

Hola compañeros todos les estoy enviando este correo que me enviaron de parte de los organizadores del PCCMCA el Ing. Noe Montes presidente de la mesa de sorgo y arroz y estoy admitida para participar en este evento. Solo quiero saber si el INTA me autoriza a solicitar que los ejecutivos de INTSORMIL me financien el viaje.

Gracias por su atención

Eliette

----- Mensaje reenviado -----

De: **Noe Montes** [REDACTED] >

Fecha: 10 de agosto de 2009 14:12

Asunto: aceptación trabajo PCCMCA

Para: [REDACTED]

Cc: Luis Reyes <[reyes.luis@inifap.gob.mx](mailto:reyes.luis@inifap.gob.mx)>, Leonardo Hernández <[hernandez.leonardo@inifap.gob.mx](mailto:hernandez.leonardo@inifap.gob.mx)>

Estimado investigador (a):

Anexo encontrará carta de aceptación de trabajo propuesto para presentarse en la 55 Reunión Anual del PCCMCA a celebrarse en Campeche.

Saludos Cordiales

Dr. Noé Montes García  
Co-Coordinador mesa de Arroz y Sorgo

---

Con Windows Live, puedes organizar, editar y [compartir tus fotos](#).

--

Ing.Eliette Palacio  
Investigadora Zonal Programa Sorgo  
INTA-Pacífico Norte  
Tel. Oficina:(505)23115446  
Tel. Cell: (505)83360829



# 55 Reunión Anual de la Sociedad del PCCMCA 2009

PROGRAMA COOPERATIVO CENTROAMERICANO PARA EL MEJORAMIENTO DE CULTIVOS Y ANIMALES

07 de agosto de 2009

Estimado (a):

**Yolanda Eliette Palacio**

Reciba un atento y cordial saludo de parte del **Comité Organizador de la 55 Reunión Anual del PCCMCA**, y de la comisión técnica, deseándole éxitos en sus labores profesionales.

Por este medio tenemos el agrado de informar a usted que el resumen de su trabajo titulado:

## **EVALUACIÓN DE VIDA ÚTIL DE LAS HARINAS DE GRANO ENTERO DE SORGO [*Sorghum bicolor* (L.) Moench]**

Ha sido **aprobado** por la Comisión Técnica y programado para su presentación en forma **Oral**.

**ATENTAMENTE**

**Ph. D. Noé Montes García**  
**Co-Coordinador Mesa de Arroz y Sorgo**  
**PCCMCA 2009**

San Francisco de Campeche, México.  
7 al 11 de septiembre



# 55 Reunión Anual de la Sociedad del PCCMCA 2009

PROGRAMA COOPERATIVO CENTROAMERICANO PARA EL MEJORAMIENTO DE CULTIVOS Y ANIMALES

07 de agosto de 2009

Estimado (a):

**Yolanda Eliette Palacio**

Reciba un atento y cordial saludo de parte del **Comité Organizador de la 55 Reunión Anual del PCCMCA**, y de la comisión técnica, deseándole éxitos en sus labores profesionales.

Por este medio tenemos el agrado de informar a usted que el resumen de su trabajo titulado:

## **CARACTERIZACIÓN FÍSICA Y NUTRICIONAL DE HARINAS DE SORGOS [*Sorghum bicolor* (L.) Moench] MEJORADOS Y CRIOLLOS CULTIVADOS EN DISTINTAS ZONAS DE NICARAGUA**

Ha sido **aprobado** por la Comisión Técnica y programado para su presentación en forma **Oral**.

**ATENTAMENTE**

**Ph. D. Noé Montes García**  
**Co-Coordinador Mesa de Arroz y Sorgo**  
**PCCMCA 2009**

San Francisco de Campeche, México.  
7 al 11 de septiembre

**From:** [Gould Mike](#)  
**To:** [Bill Rooney](#)  
**Subject:** Fwd: CV's for TAMU personnel  
**Date:** Friday, October 02, 2009 2:53:37 PM  
**Attachments:** [PFB-Simple-CV-2008.doc](#)  
[ATT00125.htm](#)

---

FYI. Paul Bryan is a VP at Chevron that will attend the field exhibits Oct 14-16.

Mike  
**Mike Gould**  
Center Director

Begin forwarded message:

**From:** "Simpson, Shay" <[shay-simpson@tamu.edu](mailto:shay-simpson@tamu.edu)>  
**Date:** October 2, 2009 1:14:14 PM CDT  
**To:** "Bob Avant" <[bavant@tamu.edu](mailto:bavant@tamu.edu)>, "Bill McCutchen" <[bmccutchen@tamu.edu](mailto:bmccutchen@tamu.edu)>, "Mike Gould" <[jmgould@tamu.edu](mailto:jmgould@tamu.edu)>  
**Subject:** Fwd: CV's for TAMU personnel

Here's Paul Bryan's CV.

Shay Simpson, Associate Dir.  
Corporate Relations  
Texas AgriLife Research  
979.571.3137 mobile

Begin forwarded message:

**From:** "Jones, Doug M" <[REDACTED]>  
**Date:** October 2, 2009 12:35:33 PM CDT  
**To:** "Simpson, Shay" <[shay-simpson@tamu.edu](mailto:shay-simpson@tamu.edu)>  
**Subject:** FW: CV's for TAMU personnel

Hello Shay:

I hope all is well with you today.

Michelle told me that there was a request to see the CVs of Paul Bryan and Curtis Munson prior to their visit to Weslaco. I

am unsure who there made the request so I am passing Paul Bryan's CV on to you with the hope you know who wanted to see it. I'll forward Curtis' CV as well once I have received it from him.

Look forward to seeing you in a couple weeks.

Enjoy the weekend.

Doug

Doug Jones  
Chevron Technology Ventures  
Biofuels and Hydrogen

3901 Briarpark Drive, BP605  
Houston, TX 77042  
phone 713-954-6857

## Paul F. Bryan

### EDUCATION:

1985 - 1986: **Post-Doc in Applied Thermodynamics**, Ecole des Mines, Paris, France.  
Development of advanced thermodynamic modelling software.

1985: **Ph.D. Chemical Engineering**, University of California, Berkeley, CA.  
Dissertation: *Representation of Thermodynamic Properties in Separation Calculations Using Local Approximations* (with J. M. Prausnitz and E. A. Grens).

1980: **B.S. Chemical Engineering**, Pennsylvania State University, University Park, PA.  
Graduated with Highest Honors.

### EMPLOYMENT HISTORY:

2006 - Present **Vice President – Technology**, Chevron Technology Ventures, Biofuels Business Unit, Richmond, CA. Responsible for management of entire R&D Program in second-generation biofuels. Portfolio includes collaborative R&D with Government Labs, Academia, and for-profit companies large and small. Portfolio covers feedstock development, biological and thermochemical conversion technology, emerging / novel conversion technology, catalytic processing, and biofuel-product development.

2005 - 2006 **Alliance Manager**, Chevron Energy Technol. Co., Perth, WA, Australia  
Responsible for development of the Western Australian Alliance for Advanced Energy Solutions, a \$5 million per year (target) collaboration with CSIRO, Curtin Univ., and The Univ. of Western Australia including legal, finance, contracts, and facilitating collaboration between all Chevron Technology Focus areas and >300 senior researchers in Australia. Portfolio included advanced technologies for development of oil, gas, and renewable energy.

2002 - 2005: **Team Leader**, ChevronTexaco Energy Technol. Co., Richmond, CA  
Responsible for management and technical contributions in the area of separation technology, process R&D, reaction engineering, thermodynamics, alternate fuels, and industry / university / government collaborative research.

1999 - 2002: **Senior Lecturer and Station Director**, MIT School of Chem. Eng. Practice,  
Responsible for managing industrial internship projects for MIT graduate students at Cargill, GE Plastics, General Mills, and Cabot Corp. Worked with company clients to develop projects; supervise, instruct, and evaluate students.

1996 - 1999.: **Research Scientist**, Union Carbide Corp., South Charleston, WV.  
Responsible for R&D and internal consulting in separations technology, including membranes, distillation, adsorption, and filtration. Liaison to collaborative membrane R&D project with Pall, Coors, and Bechtel-Jacobs (Oak Ridge K-25 Site).

1991 - 1996: **Program Area Leader**, Chevron Research & Technology Co., Richmond, CA.  
Responsible for all research, both in-house and external, on separation process technology for chemicals, refining, and oil & gas production.

1989 - 1991: **Senior Research Engineer**, Chevron Research & Technology Co., Richmond, CA.  
Member of AROMAX® development team, responsible for pilot studies, plant start-up, novel reactor development, process modelling, and second-generation catalyst development.

1986 - 1988: **Asst. Professor of Chem. Engineering.**, Colorado School of Mines, Golden, CO  
Responsible for teaching graduate courses on thermodynamics and applications of artificial intelligence, proposing and supervising graduate research in separation process technology, physical property measurements, and computer applications.

**AWARDS, RECOGNITIONS & PROFESSIONAL ACTIVITIES:**

Chemical Engineering Dept. Advisory Boards: USC (Chair, 2004-Present); Penn State (Vice-Chair, 2008-Present); UC-Berkeley (College of Chemistry) (Member, 2007-Present)  
National Academies' *Chemical Sciences Roundtable* (Member, 2006-Present)  
Director, North American Membrane Society (2002-2005).  
Chair (2002) & Vice-Chair (2000), Gordon Res. Conf.: *Membranes: Materials & Processes*.  
Editorial Advisory Board, *Separation & Purification Reviews* (2002-Present).  
Editorial Advisory Board, *Separation & Purification Methods* (2000-2002).  
Division Chair (2001), First Vice-Chair (2000), Second Vice-Chair (1999), Director (1995-1998 1998), and Gerhold Award Comm. Chair (2002-Present) – AIChE Separations Division.  
Chair of CCR "Vision 2020" Proc, Science and Eng. Technology Task Group (1997-1999).  
Conference Co-Chair, CCR *New Initiatives in Chemical Engineering Conference on Separations*, Marco Island, FL, 1997.  
Editorial Advisory Board, *I&EC Research* (1996-1998).  
Member, Gas Processors Association *Research Steering Committee* (1991-1999).

**SELECTED PUBLICATIONS & PATENTS:**

- Bryan, P. F., "Removal of Propylene from Fuel-Grade Propane," *Separation & Purification Reviews*, 2005.
- W. J. Bartley, et al., "Processes for preparing oxygenates," WO # 0,107,393 to Union Carbide Corp., Feb. 1, 2002.
- J. F. Miller, et al., "Membrane separation process for metal complex catalysts," US Patent #6,252,123 to Union Carbide Corp., June 26, 2001.
- Keller, G. E. and P. F. Bryan, "Process Engineering: Moving in New Directions," *Chem. Eng. Progress*, 96(1), 41-50, January 2000.
- J. V. Heyse, et al., "Low-sulfur reforming process," US Patent # 5,863,418, to Chevron Chem. Co., Jan. 26, 1999.
- Sweeney, W. A. and P. F. Bryan, "BTX Processing," in *Kirk-Othmer Encyclopedia of Chemical Technology, 4th Edition, Volume 4*, John Wiley, New York, New York, 590-604, 1992.

**SELECTED PRESENTATIONS:**

- Bryan, P.F., "Biofuels Feedstock, Price, and *The New Energy Equation*," Invited Talk, AIChE Management Conference, Houston, Texas, April 2007.
- Bryan, P. F., "Biofuels R&D Directions in the Energy Industry," Invited Lecture, Renewable Energy Symposium, University of Western Australia, Perth, WA, March 2006.
- Bryan, P.F., "Future Trends in Chemical Process Design and Engineering," Invited Plenary, 50th Canadian Chemical Engineering Conference, Montreal, Quebec, Canada, October 17, 2000.
- Bryan, P. F., J. F. Miller, and G. E. Keller II, "Scale-up Issues in Membrane Applications for Industrial Separations," Membrane Technology Planning Conf., Newton, Massachusetts, October 27-29, 1997.
- Bryan, P. F., "New Membranes for Industrial Applications: An End-User's Perspective," Invited Lecture, Petroleum Seminar Series, Argonne National Laboratory, Argonne, Illinois, April 10, 1997.
- Bryan, P. F. (speaker), D. J. Edlund, and C. B. Frost, "Hydrogen Recovery and Purification Using Dense Metal Membranes," 7th Annual U.S. Hydrogen Meeting, Alexandria, Virginia, April 1996.
- Bryan, P. F. (co-speaker) and R. M. Hix (co-speaker), "Development of a Process for the Removal of Diamondoids from Natural Gas," Engineering Foundation Conference on Separations, Snowbird, Utah, July 1995.
- Bryan, P. F. (speaker) and R. K. Denton, "New Membranes for Industrial Separation Applications: An End-User's Perspective," North American Membrane Society, Seventh Annual Meeting, Portland, Oregon, May 23, 1995.

**From:** [David Baltensperger](#)  
**To:** [Carol Rhodes](#)  
**Cc:** [David Baltensperger](#)  
**Subject:** Fwd: Fw: CPRIT and ETF Meeting!! Save the Date  
**Date:** Friday, September 18, 2009 2:49:50 PM  
**Attachments:** [CPRIT and ETF Meeting!! Save the Date \(76.9 KB\).msg](#)

---

>>> "David Baltensperger" <DBaltensperger@ag.tamu.edu> 9/18/2009 10:54 AM >>>  
All fac

David Baltensperger  
Professor and Head  
Soil and Crop Sciences  
Texas A&M University  
2472 TAMU  
College Station  
Texas 77843-2474

979-845-3041



**From:** [Bill McCutchen](#)  
**To:** [Ted Wilson - Beaumont](#); [David Baltensperger](#); [Gary Ellis](#); [Juan Landivar](#); [Jaroy Moore](#); [Kevin Heinz](#); [Leland Pierson](#); [Tom Gerik](#); [Evelyn Castiglioni](#); [Glen Laine - Vet Physiology & Pharmacology](#); [Bill Moyer](#); [jcarey@poultry.tamu.edu](#); [Ari Michelsen](#); [Charles Long](#); [Don Cawthon](#); [Edwin Price](#); [Frank Gilstrap](#); [Fuller W. Bazer](#); [Gary Acuff](#); [Greg D Reinhart](#); [John Sweeten](#); [Jack F Elliot](#); [Jimmy Keeton](#); [J. Michael Gould](#); [jpn@tamu.edu](#); [Bill Holloway](#); [John Walker](#); [Martin B. Dickman](#); [Neville Clarke](#); [Neal Wilkins](#); [Pete Murano](#); [Gary Riskowski](#); [Steven Whisenant](#); [Tim Davis](#); [Tim Herrman](#); [Thomas Lacher](#)  
**Cc:** [Eleanor Green](#); [Ann Kenimer](#); [Alan R Sams](#); [Bob Avant](#); [bchowdhary@tamu.edu](#); [David K Lunt](#); [David Reed](#); [Ed Smith](#); [Jeffrey Seemann](#); [Kyle Smith](#); [Larry Boleman](#); [Mark M. Ellison](#); [Mark A Hussey](#); [Pete Gibbs](#); [Theresa A. Maldonado](#); [Bill A Dugas](#)  
**Subject:** CPRIT and ETF Meeting!! Save the Date  
**Date:** Friday, September 18, 2009 4:12:42 PM  
**Attachments:** [CPRIT ETF Save the Date.pdf](#)  
[Header.dat](#)

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**To:** Unit Heads (Please forward to your Faculty and Staff)

**Subject:** Cancer Prevention and Research Institute of Texas (CPRIT) and Emerging Technology Fund (ETF) Briefing.

**Date, time and location:** Monday, September 28, 1:00 to 4:00 P.M. in the Amphitheater at the Texas A&M Institute for Preclinical Studies Building.

All,

You are invited to attend a briefing regarding CPRIT and ETF. The purpose of the briefing is to provide you with an opportunity to meet key staff members, learn about the legislative intent, and how to apply for funding for both programs. The CPRIT briefing is from 1:00 pm to 2:30pm and the ETF briefing is 2:30pm to 4pm. Small meeting rooms will be available for you to meet one on one with both ETF and CPRIT staff regarding your specific projects. Teleconferencing capabilities are being established at all campuses for those who cannot travel to College Station. Additional correspondence will be sent listing the remote TTVN locations by early next week. For more information on both programs please refer to their websites.

[www.cpritis.state.tx.us](http://www.cpritis.state.tx.us) –The Cancer Prevention and Research Institute of Texas is the state agency mandated to (1) create and expedite innovation in the area of cancer research and in enhancing the potential for a medical or scientific breakthrough in the prevention of cancer and cures for cancer; (2) attract, create, or expand research capabilities of public or private institutions of higher education and other public or private entities that will promote a substantial increase in cancer research and in the creation of high-quality new jobs in this state; and (3) develop and implement the [Texas Cancer Plan](#).

[www.emergingtechfund.com](http://www.emergingtechfund.com) -The ETF, created by the Texas Legislature at the urging of Governor Rick Perry, provides Texas with an unparalleled advantage by expediting the development and commercialization of new technologies, and by recruiting the best research talent in the world. Matching and commercialization funds coupled with additional federal and outside investments mean new technology is emerging in Texas.

Please call Mark Ellison, Theresa Maldonado or me or email with any questions.

Thanks,  
Bill

--

Bill F. McCutchen, Ph.D.

Associate Director

Texas AgriLife Research

Texas A&M University System

113 Jack K. Williams Administration Building

2142 TAMU College Station, TX 77843-2142

979-845-8488 Tel

979-458-4765 Fax

[bmccutchen@tamu.edu](mailto:bmccutchen@tamu.edu)

## Save the Date

---

**Subject:** Cancer Prevention and Research Institute of Texas (CPRIT) and Emerging Technology Fund (ETF) Briefing

**Date:** September 28, 2009

**Time:** 1:00 – 4:00 pm

CPRIT: 1:00 – 2:30 pm

ETF: 2:30 – 4:00 pm

**Location:** Amphitheater, Texas A&M Institute for Preclinical Studies

800 Stotzer Parkway, Bldg. 1904, 979-847-8477

**Parking:** Behind the building (map included)

Leadership from the Cancer Prevention and Research Institute of Texas (CPRIT) and the Emerging Technology Fund (ETF) will be on campus Monday, September 28, to provide information updates about these programs. Attending will be:

**ETF:** <http://www.emergingtechfund.com>

Alan Kirchhoff - Director of the Emerging Technology Fund

David Nance - Executive Director, Innovate Texas Foundation

Ryan Confer - Director of Operations, Innovate Texas Foundation

Bob Pearson - Chairman of ETF Advisory Committee

**CPRIT:** <http://www.cprit.state.tx.us>

Dr. William (Bill) Gimson, Executive Director, CPRIT

Dr. Alfred (Al) Gilman, Chief Scientific Officer of CPRIT

Dr. Jo Ann Eckert, Director of Scientific Review, CPRIT

Dr. Rebecca (Becky) Garcia, Chief Prevention Officer, CPRIT

Ms. Heidi McConnell, Office of the Governor

You are invited to attend the briefing and meet key CPRIT/ETF staff members and learn how to apply for CPRIT and ETF funding. Breakout rooms will be available for you to meet one-on-one with both CPRIT and ETF staff regarding your specific research interests.

Teleconferencing capabilities will be available at all campuses for those who are unable to attend the briefing. You will receive information listing the remote TTVN locations shortly.

The Division of Research and Graduate Studies of the Vice President for Research office has created an online portal for information about the Cancer Prevention and Research Institute of Texas (CPRIT): <http://rgs.tamu.edu/cprit/>

Please contact Lisa Groce in my office at [llgroce@tamu.edu](mailto:llgroce@tamu.edu) or 845-8031 with any questions.

Jeffrey R. Seemann

Vice President for Research

Texas A&M University

**From:** [C. Wayne Smith](#)  
**To:** [Amir M. Ibrahim](#); [Kathy Ferguson](#); [Steve Hague](#); [Seth C. Murray](#); [dirk hays](#); [Dave Stelly](#); [Russell Jessup](#); [Bill L. Rooney](#)  
**Subject:** Fwd: Laura Masor"s Application  
**Date:** Friday, October 09, 2009 10:30:28 AM  
**Attachments:** [Masor.pdf](#)  
[HortGraduateStudies HortGraduateStudies.vcf](#)  
[Header.dat](#)  
[C. Wayne Smith1.vcf](#)

---

Kathy: Please establish a file on Laura and put in the Futurestudents site.

PB Facutly: Note that she is most interested in Hort but will consider SCSC if nothing is available with the plant breeders in HORT. SCSC faculty can contact her since she asked that her app be sent to us.

Wayne

C. Wayne Smith  
Professor, Cotton Breeding  
Associate Department Head  
Department of Soil and Crop Sciences  
2474 TAMU  
Texas A&M University  
College Station, TX 77843-2474  
979.845.3450  
cwsmith@tamu.edu

>>> "HortGraduateStudies HortGraduateStudies"  
<hortgraduatestudies@ag.tamu.edu> 10/6/2009 10:21 AM >>>  
Hello,  
Laura Masor asked us to send you a copy of her application to the Horticultural Sciences Dept. Attached is the complete file.

Laverne for

David H. Byrne  
Associate Head for Research and Graduate Studies  
Professor - Prunus and Rosa Genetics and Breeding  
Department of Horticultural Sciences  
Texas A&M University  
College Station, TX 77843-2133  
Telephone: 979-862-3072  
Fax: 979-845-0627  
email: [Hortgraduatestudies@ag.tamu.edu](mailto:Hortgraduatestudies@ag.tamu.edu)  
Web page:  
<http://aggie-horticulture.tamu.edu/gradinfo/>.

## ApplyTexas Application for Graduate Admission to Texas Public Universities

THIS APPLICATION SHOULD NOT BE USED BY INTERNATIONAL STUDENTS.

You are encouraged to complete this application online at [www.applytexas.org](http://www.applytexas.org).

This application is intended for use in applying for Academic Year 2009-2010.

**Part I.****Name and Address Information**

UTIN: 809008610

Banner ID: T00692195

1. Social Security Number: \*\*\*-\*\*-5465 2. Date of Birth (Required): 08/07/1981

(Optional: This will ensure your documents are matched and processed promptly. You will be assigned an identification number if you do not provide a Social Security Number.)

(Month/Day/Year)

3. Full Legal Name: MASOR, LAURA LEE

4. Other Name Which May Appear on Academic Records:

5. Gender: Male ☐ Female ☒ 6. Place of Birth: BAYTOWN, TX, UNITED STATES

6. Ethnic Background Information Provided? Yes

7. Permanent Address:

County Code:

(See Instructions)

8. Current U.S. Address:

(if applicable)

Current Phone (if different from permanent phone): 713-480-4781 Current Address Good Until: 12/15/2009

9. (a) Are you a U.S. citizen? Yes ☒ No ☐ If No, of what country are you a citizen?(b) If you are not a citizen, do you hold Permanent Residence status (valid I-551) for the U.S.? Yes ☐ No ☐

If Yes, date permanent resident card\* issued:

Month/Day/Year

Alien Number: \*Enclose a copy of both sides of the card.

(c) If you are not a U.S. citizen or permanent resident, do you have an application for permanent residence (form I-485) pending with the U.S. Citizenship and Immigration Services (USCIS)? Yes ☐ No ☐  
(If "Yes", enclose a copy of your Notice of Action or receipt from the USCIS, form I-797C.)

(d) If you are not a citizen or permanent resident or have no application pending with the USCIS, have you lived in Texas for three years preceding high school graduation or receipt of a GED in Texas? Yes ☐ No ☒  
(If "Yes", please submit a completed "Affidavit of Intent to Become a Permanent Resident.")

(e) If you are not a U.S. citizen or a permanent resident, are you a foreign national here with a visa eligible to domicile in the United States or are you a Refugee, Asylee, Parolee or here under a Temporary Protective Status? Yes ☐ No ☐  
(If "Yes", please submit a copy of your Notice of Action from the USCIS, form I-797C, or a copy of your current visa.)

(f) If you are not a U.S. citizen or a permanent resident, have no application pending with the USCIS, and have not lived in Texas for three years preceding high school graduation or receipt of a GED in Texas, have you previously attended? Yes ☒ No ☐

10. E-mail Address for Student: llm006@shsu.edu

11. Emergency Contact Name: MRS JULIE MASOR Emergency Phone: 713-777-7077

Emergency Contact Address: 9010 ROWAN

HOUSTON, TX 77036 UNITED STATES E-mail: juliemasor@yahoo.com

Name: MASOR, LAURA LEESocial Security Number: \*\*\*-\*\*-5465**Educational Background and Test Score Information**12. Enter any specific area of interest or specialty within your major: (if applicable) PLANT BREEDING13. Degree you will seek: AG HORT MS Semester/Year you expect to enter: Spring / 2010Are you a former Texas A&M University student? NoHave you previously applied to Texas A&M? Yes14. Name of Institution you are presently attending: SAM HOUSTON STATE UNIVERSITY

15. List courses to be completed during the present semester. If you will complete an additional term before enrolling at Texas A&amp;M University, list those courses also. If you need to list more than 6 courses, please send a list directly to the graduate admissions office at Texas A&amp;M University. Be sure to include your full name, social security or student ID number, and application ID number on any documents you send to the admissions office.

**Course Name**AGR 497BIO 315GBO 461AGR 398If you wish to be considered for a teaching assistantship, research assistantship, or fellowship, complete the following. *Deadlines vary.**Consult directly with the program you wish to enter.*

16. Type of award sought:

Fellowship Yes Graduate Assistantship Yes Teaching Assistantship \_\_\_\_\_ Research Assistantship YesIf you are not offered a financial award, do you plan to enroll if offered admission? Yes X No**Test Score Information**

17. Check those tests you have taken or plan to take. Report scores from any test you have taken. (Please have official test scores sent to the Universities to which you apply.)

		Date Taken	Request Date
<input checked="" type="checkbox"/>	GRE: Graduate Record Examinations (General Test)	09/2009	09/2009
<input type="checkbox"/>	GMAT: Graduate Management Admissions Test (Business applicants only)		
<input type="checkbox"/>	MCAT: Medical College Admission Test (Medical school applicants only)		
<input type="checkbox"/>	MAT: Miller Analogies Test		
<input type="checkbox"/>	DAT: Dental Admission Test (Dental school applicants only)		
<input type="checkbox"/>	LSAT: Law School Admission Test		
<input type="checkbox"/>	PCAT: Pharmacy College Admissions Test		

**Test Score Information**

GRE	GMAT	MCAT	MAT	DAT	LSAT	PCAT
Verbal: _____	Verbal: _____	Verbal: _____	Raw Score: _____	Bio. Science: _____	Raw Score: _____	Verbal Ability: _____
Quantitative: _____	Quantitative: _____	Phys. Science: _____	%-General: _____	Gen. Chemistry: _____	Avg. Score: _____	Bio. Sciences: _____
Analytical: _____	Written: _____	Bio. Science: _____	%-Major: _____	Org. Chemistry: _____	Percent Rank: _____	Quantitative: _____
Written: _____	Total: _____	Written: _____		Perceptual Ability: _____		Reading Comprehension: _____
				Reading: _____		General Chemistry: _____
				Quantitative: _____		Composite: _____
						Writing: _____

Name: MASOR, LAURA LEESocial Security Number: \*\*\*-\*\*-5465

18. Please list ALL colleges or universities you have attended or are attending, including for extension, correspondence and distance learning credit. Failure to list all institutions will be considered an intentional omission and may lead to forced withdrawal.

Institutions	Credit Hours Earned	Degree Earned	College Code	City, State or Country	Date Degree Earned	Degree Type	Date of Attendance	
							From	To
SAM HOUSTON STATE UNIVERSITY	043.0	BS HORTICULTURE	003606	HUNTSVILLE, TX UNITED STATES	12/2009	Bachelor's	08/2008	12/2009
HOUSTON COMMUNITY COLLEGE SYSTEM	030.0		010633	HOUSTON, TX UNITED STATES			05/2002	08/2008
UNIVERSITY OF HOUSTON DOWNTOWN			012826	HOUSTON, TX UNITED STATES			02/2004	05/2004
UNIVERSITY OF HOUSTON MAIN CAMPUS	003.0		003652	HOUSTON, TX UNITED STATES			08/2002	12/2002
AUSTIN COMMUNITY COLLEGE	034.0		012015	AUSTIN, TX UNITED STATES			08/2000	05/2002
UNIVERSITY OF TEXAS AUSTIN	024.0		003658	AUSTIN, TX UNITED STATES			08/1999	05/2001

19. Are you currently on academic suspension from a college or university? Yes ☐ No ☒

20. Are you a Phi Beta Kappa? Yes ☐ No ☒

#### 21. Employment History

If you have been employed since attending school or have served in the armed forces, list your employers or military service and type of work in chronological order, beginning with your most recent employer. If you have been self-employed (homemaker, writer, etc.), write "self" under "Name of Employer." If you are currently employed, put the current month and year in the "To" box.

#### Current or Most Recent Employer:

Name of Employer: SAM HOUSTON STATE UNIVERSITY AGR. Location: HUNTSVILLE, TX  
 Work Phone: 936-294-1215 Work Fax:  E-mail: LLM006@SHSU.EDU  
 Job Category: Other Industry Code: Other  
 From: 01/2009 To: 09/2009 May we contact you at work? No  
 Type of work? STUDENT WORKER

#### Previous Employers:

Name of Employer	Location	From	To

Name: MASOR, LAURA LEE

Social Security Number \*\*\*-\*\*-5465

### Reference and Honors Information

22. References: List three individuals you have asked to recommend you.

1. Dr. Bobby Lane SHSU Professor  
Name Position / Organization  
 E-mail Address: blanc@shsu.edu
2. Dr. Joan Hudson SHSU Associate Professor  
Name Position / Organization  
 E-mail Address: BIO\_JXN@shsu.edu
3. Dr. Tim Pannkuk SHSU Associate Professor  
Name Position / Organization  
 E-mail Address: AGR\_TRP@shsu.edu

23. List all honors, financial assistance, awards, fellowships, scholarships, and assistantships received.

If you need to list more than five awards, please send a list, along with your social security or student ID number, directly to the graduate admissions office at Texas A&M University.

Award Designation	Grantor
<b>Award Date</b>	<b>In Recognition of</b>
DEAN'S LIST	SAM HOUSTON STATE UNIVERSITY
05/2009	SEMESTER GPA ABOVE 3.5
DEAN'S LIST	SAM HOUSTON STATE UNIVERSITY
12/2008	SEMESTER GPA ABOVE 3.5
FIRST PLACE HORTICULTURE QUIZ	TEXAS JUNIOR COLLEGE AGRICULTURE ASSOCIATION
04/2008	HORTICULTURAL KNOWLEDGE

### Parents' Highest Level of Education

24. Father/Legal Guardian: Code 4 Degree Some college
25. Mother/Legal Guardian: Code 4 Degree Some college

### High School Information

26. High School Attended: STARPOSTOWN HIGH SCHOOL HOUSTON, TX US  
(Complete Name of High School) (City) (State) (Country)
- High School Code: 443443 (See your high school counselor.)
- Grades Attended at this High School: 9 X 10 X 11 X 12 X
- Date Graduated or Expected to Graduate: 05/1999
- Home Schooled: Yes No X
27. If you did not graduate from high school, do you have a GED? Yes No
- If yes, which version: English Spanish



Name: MASOR, LAURA LEE

Social Security Number: \*\*\*-\*\*-5465

**Residency Information** (Please answer all questions; use n/a if the question does not apply to you.)

**28. Previous Enrollment:**

(a) During the 12 months prior to the term for which you are applying, did you attend a public college or university in Texas in a fall or spring term? Yes ☒ No ☐ If you answered "no", continue to question 29. If you answered "yes", complete questions (b) through (e).

(b) What Texas Public institution did you last attend? (Give full name, not just initials.)

Sam Houston State University

(c) In which term were you last enrolled? Spring, 2009 ☒ Fall, 2009 ☒

(d) During your last semester at a Texas public institution, did you pay resident (in state) or nonresident (out of state) tuition? resident (in state) ☒ non resident (out of state) ☐ unknown ☐

(e) If you paid in-state tuition at your last institution, was it because you were classified as a Texas resident or because you were a nonresident who received a waiver? resident ☒ nonresident with a waiver ☐ unknown ☐

**IMPORTANT:**

If you were enrolled at a Texas public institution during a fall or spring semester within the previous 12 months and were classified as a Texas resident, skip to question 30, sign and date this form and submit it to your institution. If you were not enrolled, or if you were enrolled but classified as a nonresident, proceed to question 29.

**29. Residency Claim:**

Of what state are you a resident? TX

If you are uncertain, continue to question 30.

**Aquisition of High School Diploma or GED:**

(a) Did you graduate from high school or complete a GED in Texas? Yes ☐ No ☐

If you graduated from high school, what was the name and city of the school?

SHARPSTOWN HIGH SCHOOL

HOUSTON

(Name of High School)

(City)

(State)

(b) Did you live in Texas the 36 months leading up to high school graduation or completion of the GED? Yes ☒ No ☐

(c) When you begin the semester for which you are applying, will you have lived in Texas for the previous 12 months?

Yes ☒ No ☐

(d) Are you a U.S. citizen or Permanent Resident of the United States of America? Yes ☒ No ☐

**Instructions for Question 29:**

- If you answered "no" to question (a) or (b) or (c), continue to question 30.
- If you answered "yes" to all four questions, skip to question 36.
- If you answered "yes" to questions (a), (b) and (c), but "no" to question (d), complete a copy of the Affidavit, skip to question 36 of this form, and submit both this form and the affidavit to your institution.

**30. Basis of Claim to Residency:**

(To Be Completed By Everyone Who Did Not Answer "Yes" to Questions (a), (b) and (c) of Question 29.)

(a) Do you file your own federal income tax as an independent tax payer? Yes ☐ No ☐

(b) Are you claimed as a dependent or are you eligible to be claimed as a dependent by a parent or court-appointed legal guardian? Yes ☐ No ☐ (To be eligible to be claimed as a dependent, your parent or legal guardian must provide at least one half of your support. A step-parent does not qualify as a parent if he or she has not adopted the student.)

(c) If you answered "No" to both the questions above, who provides the majority of your support?

self ☐ parent or legal guardian ☐ other: (list) \_\_\_\_\_

Social Security Number: \*\*\*-\*\*-5465

*Instructions for Question 30:*

- If you answered "yes" to question (a), continue to question 31.
- If you answered "yes" to question (b), skip to question 36.
- If you answered "no" to (a) and (b) and "self" to question (c), continue to question 31.
- If you answered "no" to (a) and (b) and "parent or legal guardian" to question (c), skip to question 32.
- If you answered "no" to (a) and (b) and "other" to question (c), skip to question 33, provide an explanation, and complete question 34.

31. If you answered "Yes" to question (a) or "Self" to question (c) of question 30, answer the following:

- (a) Are you a U.S. citizen? Yes X No
- (b) Are you a Permanent Resident of the United States of America? Yes      No X
- (c) Are you a foreign national whose application for Permanent Resident Status has been preliminarily reviewed? (You should have received a fee/filing receipt or Notice of Action (I-797) from U.S. Citizenship and Immigration Services (USCIS) showing your I-485 has been reviewed and has not been rejected. Yes      No

(d) Are you a foreign national here with a visa or are you a Refugee, Asylee, Parolee or here under Temporary Protective Status?

If so, indicate which:

- (e) Do you currently live in Texas? Yes        No        (Vice/Status)

If you are out of state due to a temporary assignment by your employer or other temporary purpose, please explain in question 33.

- (f) (1) If you currently live in Texas, how long have you been living here? Months \_\_\_\_\_ Years \_\_\_\_\_

- (2) What is your main purpose of being in the state?  
Go to College \_\_\_\_\_ Establish/ Maintain a Home \_\_\_\_\_ Work Assignment \_\_\_\_\_

If for reasons other than those listed above, give an explanation in question 33.

- (g) (1) If you are a member of U.S military, is Texas your Home of Record? Yes \_\_\_\_ No \_\_\_\_

- (2) What state is listed as your military legal residency for tax purposes on your Leave and Earnings Statement? \_\_\_\_\_

- (h) (1) Do you hold the title to real property (home, land) in Texas? Yes ☐ No ☐

If yes, date acquired: \_\_\_\_\_

- (2) Do you own a business in Texas? Yes ☐ No ☐ If yes, date acquired: \_\_\_\_\_

- (3) Do you hold a state or local license to conduct a business or practice a profession in Texas? Yes ☐ No ☐

If yes, date acquired: \_\_\_\_\_

- (i) (1) For the past 12 months, have you been gainfully employed in Texas? Yes      No

- (2) For the past 12 months, have you received services from a social service agency that provides services to homeless persons?
- Yes          No

- (j) Are you married to a person who could answer "yes" to any part of question (h) or (i)? Yes \_\_\_\_ No \_\_\_\_

If yes, indicate which question(s) could be answered "yes" by your spouse: \_\_\_\_\_

How long have you been married to the Texas resident? Months \_\_\_\_\_ Years \_\_\_\_\_

Skip Question 32 and continue to Question 33.

32. If you answered "Parent or Legal Guardian" to question (c) of question 30, answer the following:

- (a) Is the parent or legal guardian upon whom you base your claim of residency a U.S. citizen? Yes ☐ No ☐

- (b) Is the parent or legal guardian upon whom you base your claim of residency a Permanent Resident of the United States of America?      Yes ☐      No ☐

- (c) Is this parent or legal guardian a foreign national whose application for Permanent Resident Status has been preliminarily reviewed? (Your parent or legal guardian should have received a fee/filing receipt or Notice of Action (I-797) from U.S. Citizenship and Immigration Services (USCIS) showing your I-485 has been reviewed and has not been rejected.) Yes ☐ No ☐

- (d) Is this parent or legal guardian a foreign national here with a visa or are you a Refugee, Asylee, Parolee or here under Temporary Protective Status? If so, indicate which: \_\_\_\_\_

- (e) Does this parent or legal guardian currently live in Texas? Yes \_\_\_\_\_ No \_\_\_\_\_ (Visa/Status)

If he or she is out of state due to a temporary assignment by his or her employer or other temporary purpose, please explain in question 33.

Name: MASOR, LAURA LEE

Social Security Number: \*\*\*-\*\*-5465

(f) (1) If your parent or legal guardian is currently living in Texas, how long has he or she been living here? Months        Years       

(2) What is your parent's or legal guardian's main purpose of being in the state?

Go to College        Establish/ Maintain a Home        Work Assignment       

(g) (1) If your parent or legal guardian is a member of the U.S. military, is Texas his or her Home of Record? Yes        No       

(2) What state is listed as your parent's or legal guardian's residence for tax purposes on his or her Leave and Earnings Statement?

(h) Does your parent or Legal Guardian:

(1) hold the title to real property (home, land) in Texas? Yes        No        If yes, date acquired:       

(2) own a business in Texas? Yes        No        If yes, date acquired:       

(3) hold a state or local license to conduct a business or practice a profession in Texas? Yes        No       

If yes, date acquired:       

(i) For the past 12 months, has your parent or legal guardian:

(1) been gainfully employed in Texas? Yes        No       

(2) received services from a social service agency that provides services to homeless persons? Yes        No       

(j) Is your parent or legal guardian married to a person who could answer "yes" to any part of question (h) or (i)? Yes        No       

If "yes", indicate which question(s) could be answered "yes" by his or her spouse:       

How long has your parent or legal guardian been married to the Texas resident? Months        Years       

33. General comments. Is there any additional information that you believe your college should know in evaluating your eligibility to be classified as a resident? If so, please provide it below:

NO RESIDENCY COMMENTS INCLUDED

#### Personal and Fee Information and Certification of Information

##### 34. Ethnic Background

Please indicate which of the following groups best describes your ethnic background. This information is used for state and federal law reporting purposes only and will not be used in any admission or scholarship decisions. This question is optional.

Ethnic Background Information Provided: Yes X No       

##### 35. Application Fee Information

You may pay your application fee by check or money order or, at some universities, by credit card. For application fees and payment methods, see the "General Application Information" on pages ii and iii. (Be sure the university to which you are applying will accept the kind of credit card you list below.)

Application Fee Paid: Yes        No X

Name: MASOR, LAURA LEE

Social Security Number: \*\*\*-\*\*-5465

36. Certification of Information

☒ Notification of Rights under the Family Educational Rights and Privacy Act (FERPA): Information collected about you through this application may be held by any institution of higher education to which you apply. With few exceptions, you are entitled on your request to be informed about the collected information. Under Sections 552.021 and 552.023 of the Texas Government Code, you are entitled to receive and review the information. Under Sections 559.004 of the Texas Government Code, you are entitled to correct information held by an institution that is incorrect. You may correct information held by any institution to which you apply by contacting the institution's Public Information Officer. The information that is collected about you will be retained and maintained as required by Texas records retention laws (Section 441.180 et seq. of the Texas Government Code) and rules. Different types of information are kept for different periods of time.

☒ I certify that I have read and understand the *Important Information about Bacterial Meningitis*.

☒ I certify that this information is complete and correct to the best of my knowledge. If my application is accepted, I agree to abide by the policies, rules and regulations at any university to which I am admitted. I authorize the university to verify the information I have provided. I further understand that this information will be relied upon by the officials of the university in determining my admission and residence status for tuition purposes and that the submission of false information is grounds for rejection of my application, withdrawal of an offer of acceptance, cancellation of enrollment, and/or disciplinary action.

Signature : \_\_\_\_\_ Yes \_\_\_\_\_ Date: 08/25/2009

Shoebox Questions

1. Peace Corps MIP

The Peace Corps Masters International Program is designed to allow a Master's degree student in ten participating departments of the College of Agriculture and Life Sciences to earn 3-12 credit hours of 32-36 required credit hours for Peace Corps service performed during their graduate program. Participating degree programs vary by department but include the MS, MA, MFSC, MWSC and MNRD. Would you be interested in participating in this program?

Answer(s):

No

2. Citizenship Question

Typically an applicant is a citizen of the country in which they are born. If you were born outside of the United States and can claim US citizenship, please indicate the basis of your citizenship below. If you were born in the United States please mark N/A.

Answer(s):

N/A

Date: 08/26/2009

ELECTRONIC ESSAY

App Key: 0900691153

Name: MASOR, LAURA LEE

Other Names:

Social Security Number: \*\*\*-\*\*-5465

UIN: 809008610

Topic: DY

Banner ID: T00692195

Statement of Purpose Please provide a statement describing your field of interest and the objectives of your educational program and professional career. This may include specific programs within your chosen major/field of study. Prior to completion of this essay, please contact the department to which you are applying for specific details to be included in this statement. I began my college career over ten years ago as a major in Nutrition. I soon switched to Psychology and then Sociology. Unfortunately, all of these fields left me uninspired and unfulfilled. Then I found Horticulture. All of my life I have had an intense passion for plants and gardening, so why not make a career out of it? I joined the Horticulture program at Houston Community College with intentions to obtain my Associate's degree. After a couple of semesters, my thirst for knowledge in the area of Horticulture only increased. My intention when I began Sam Houston State University was to obtain my Bachelor's Degree. I now know that I will not be satisfied with ending my educational career with this degree either. My new goal is to achieve a Doctorate in Horticulture. There are many fields of Horticulture that interest me, but I am the most interested in plant breeding. I enjoy discovering new varieties of plants available on the market and am always curious of how they are being bred. More specifically, I would like to study and research plant breeding of ornamental, fruit and vegetable crops. I am currently taking Introductory Genetics and a graduate level course called, "Food and Fiber Crops", in order to understand plant breeding fundamentals. My current Horticultural activities are numerous. For future biodiesel research by Texas A&M and Sam Houston State University, I am raising a plot of 80 jatrophas. I am also aiding a graduate student with his research of Haemonchus contortus, a common goat parasite. For fun, I conduct simple propagation experiments at home. For example, I am currently experimenting with various rooting hormones on hoyas and pomegranate species in my apartment living room since I do not have a greenhouse at my disposal. Lastly, I am President of the SHSU Horticulture and Crop Science Club. Being President of this club affords me the opportunity to lead and connect with others that share my interests. This semester, I am looking forward to welcoming speakers from around the state and different Horticultural industries to come share their knowledge with the club members. I have also made plans for the club to revitalize a local preschool's educational sunflower and vegetable garden. My search for a graduate school that will tend to my interests has led me to universities all around the country and world. My desire is to attend a school in Texas though. Of course I feel the need to stay close to my family, but even more so, I feel the need to stay in Texas, in the climate and with the plants in which I am familiar and have come to love.

200692195

6

**Laura Lee Masor**

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**Education**

Sam Houston State University

Bachelor of Science: Horticulture and Crop Sciences. Minor: Biology

Expected graduation date: December 2009

GPA in Major: 3.87 / 4.0

**Honors and Achievements**

- Sam Houston State University Dean's List, Fall 2008 and Spring 2009
- Texas Junior College Agriculture Association, First Place Horticulture Quiz, 2008
- Recipient Houston Community College Foundation scholarship, 2008
- Recipient Houston Community College Foundation scholarship, 2007

**Work Experience**

Plant Environment ...

August 2009-Present

936-291-0542

*Nursery Laborer*

- Assisted customers with proper plant selection.
- Helped to maintain optimal plant health.
- Propagated many types of plants using a variety of methods.

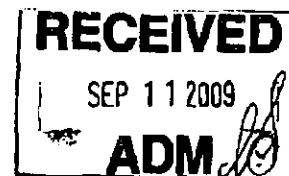
Sam Houston State University Department of Agriculture

January 2009-Present

936-294-1215

*Student Worker*

- Gathered Data and created spreadsheets for research projects.
- Organized and aided in a USDA funded summer camp.
- Managed distribution of educational FFA Forage cds.



# Recommendation for Texas A&M University Graduate Studies

## Applicant Information:

First Name: **Laura**  
Middle Name: **Lee**  
Last Name: **Masor**  
Email Address:  
BannerID: **T00692195**

College: **Agriculture & Life Sciences**  
Major: **Horticulture**  
Degree: **Master of Science**  
Term: **SPRING 2010**  
UIN: **809008610**

## Program information, test scores and self-reported GPA:

*Any information not supplied by applicant will display as "Not supplied"*

Degree: **Horticulture**  
(Current or previous)

GRE scores: Verbal: **Not supplied**

Quantitative: **Not supplied**

College/University: **Sam Houston State University**

Analytical: **Not supplied**

Written: **Not supplied**

Date of degree: **12/18/2009**  
(Received or expected)

Date of GRE: **Not supplied**  
(or planned test date)

GPR (based on a 4-point system) for last two undergraduate years: **3.80**

## Disclosure Statement:

The applicant has indicated that access to this recommendation is **waived**.

## Recommender Supplied Information:

First Name: **Robert**  
Last Name: **Lane**  
Position/Title: **Professor**  
Email address: **blane@shsu.edu**

Institution: **Sam Houston State University**

Address: **Department of Agricultural and Industrial  
Sciences  
Huntsville, TX 77341-2088  
USA**

How long have you known the applicant? **2** Years **0** Months

In what capacity do you know the applicant? **Professor/Lecturer/Instructor**

Area of Evaluation	Inadequate Opportunity To Observe	Below Average	Average	Above Average (Upper 25%)	Superior (Top 10%)	Top 1%
Intellectual Ability				<b>X</b>		
Ability to Communicate					<b>X</b>	
Self Reliance Independence of Thought					<b>X</b>	
Motivation					<b>X</b>	
Professional Interest					<b>X</b>	

Overall Recommendation:

☒ Strongly recommend

☐ Recommend

☐ Recommend with reservation

☐ Do not recommend

Date submitted: **9/17/2009**

**Additional comments on second page if provided.**

## **Recommendation for Texas A&M University Graduate Studies**

### **Applicant Information:**

First Name:	<b>Laura</b>	College:	<b>Agriculture &amp; Life Sciences</b>
Middle Name:	<b>Lee</b>	Major:	<b>Horticulture</b>
Last Name:	<b>Masor</b>	Degree:	<b>Master of Science</b>
Email Address:	<b>llm006@shsu.edu</b>	Term:	<b>SPRING 2010</b>
BannerID:	<b>T00692195</b>	UIN:	<b>809008610</b>

### **Comments:**

Laura has been one of my students, an advisee, and briefly an employee on a grant over the past two years. I find her to be bright and highly motivated, features that her early collegiate years do not reflect. She works diligently on her studies and is always well-prepared for class and exams. She has a pleasant and respectful personality. She is inquisitive, particularly regarding horticultural subjects, and unafraid to ask questions regarding areas with which she is unfamiliar. Her writing and speaking skills are excellent. She has recently expressed much interest in plant breeding and has enrolled in one of my graduate classes under a directed studies class. I think she will do quite well in graduate school. She has the intellectual tools, the right frame of mind, and the passion to learn.



# Recommendation for Texas A&M University Graduate Studies

## Applicant Information:

First Name: **Laura**  
Middle Name: **Lee**  
Last Name: **Masor**  
Email Address:  
BannerID: **T00692195**

College: **Agriculture & Life Sciences**  
Major: **Horticulture**  
Degree: **Master of Science**  
Term: **SPRING 2010**  
UIN: **809008610**

## Program information, test scores and self-reported GPA:

*Any information not supplied by applicant will display as "Not supplied"*

Degree: **Horticulture B.S.**  
(Current or previous)

GRE scores: Verbal: **Not supplied**

Quantitative: **Not supplied**

College/University: **Sam Houston State University**

Analytical: **Not supplied**

Written: **Not supplied**

Date of degree: **12/18/2009**  
(Received or expected)

Date of GRE: **9/19/2009**  
(or planned test date)

GPR (based on a 4-point system) for last two undergraduate years: **3.80**

## Disclosure Statement:

The applicant has indicated that access to this recommendation is **waived**.

## Recommender Supplied Information:

First Name: **Tim**  
Last Name: **Pannkuk**  
Position/Title: **assistant professor**  
Email address: **agr\_trp@shsu.edu**

Institution: **Sam Houston State University**

Address: **P.O. Box 2088**  
**Huntsville, TX 77341**  
**USA**

How long have you known the applicant? **1** Years **1** Months

In what capacity do you know the applicant? **Professor/Lecturer/Instructor**

Area of Evaluation	Inadequate Opportunity To Observe	Below Average	Average	Above Average (Upper 25%)	Superior (Top 10%)	Top 1%
Intellectual Ability					<b>X</b>	
Ability to Communicate				<b>X</b>		
Self Reliance Independence of Thought				<b>X</b>		
Motivation				<b>X</b>		
Professional Interest					<b>X</b>	

Overall Recommendation:

☒ Strongly recommend

☐ Recommend

☐ Recommend with reservation

☐ Do not recommend

Date submitted: **9/15/2009**

**Additional comments on second page if provided.**

## **Recommendation for Texas A&M University Graduate Studies**

### **Applicant Information:**

First Name: **Laura**

Middle Name: **Lee**

Last Name: **Masor**

Email Address:

BannerID: **T00692195**

College: **Agriculture & Life Sciences**

Major: **Horticulture**

Degree: **Master of Science**

Term: **SPRING 2010**

UIN: **809008610**

### **Comments:**

Laura's early academic record is below average. However, she has been enrolled in three classes that I teach. Her performance in these three classes has demonstrated intellectual strength including problem solving, maturity, and inquisitiveness.

Laura's ability to deliver a presentation to a group needs encouragement however.

In my opinion, she would be a very good teaching and research assistant. She has already demonstrated some research and writing skill that would be required as an MS student.

Tim Pannkuk

# Recommendation for Texas A&M University Graduate Studies

## Applicant Information:

First Name: **Laura**  
Middle Name: **Lee**  
Last Name: **Masor**  
Email Address:  
BannerID: **T00692195**

College: **Agriculture & Life Sciences**  
Major: **Horticulture**  
Degree: **Master of Science**  
Term: **SPRING 2010**  
UIN: **809008610**

## Program information, test scores and self-reported GPA:

*Any information not supplied by applicant will display as "Not supplied"*

Degree: **Horticulture**  
(Current or previous)

GRE scores: Verbal: **Not supplied**

Quantitative: **Not supplied**

College/University: **Sam Houston State University**

Analytical: **Not supplied**

Written: **Not supplied**

Date of degree: **12/18/2009**  
(Received or expected)

Date of GRE: **Not supplied**  
(or planned test date)

GPR (based on a 4-point system) for last two undergraduate years: **3.80**

## Disclosure Statement:

The applicant has indicated that access to this recommendation is **waived**.

## Recommender Supplied Information:

First Name: **Joan**  
Last Name: **Hudson**  
Position/Title: **Associate Professor of Biology**  
Email address: **bio\_jxn@shsu.edu**

Institution: **Sam Houston State University**

Address: **Box 2116, Dept. of Biological Sciences  
Huntsville, Texas 77341  
USA**

How long have you known the applicant? **0** Years **4** Months

In what capacity do you know the applicant? **Professor/Lecturer/Instructor**

Area of Evaluation	Inadequate Opportunity To Observe	Below Average	Average	Above Average (Upper 25%)	Superior (Top 10%)	Top 1%
Intellectual Ability				<b>X</b>		
Ability to Communicate				<b>X</b>		
Self Reliance Independence of Thought					<b>X</b>	
Motivation					<b>X</b>	
Professional Interest					<b>X</b>	

Overall Recommendation:

☒ Strongly recommend

☐ Recommend

☐ Recommend with reservation

☐ Do not recommend

Date submitted: **9/29/2009**

**Additional comments on second page if provided.**

# **Recommendation for Texas A&M University Graduate Studies**

## **Applicant Information:**

First Name: **Laura**  
Middle Name: **Lee**  
Last Name: **Masor**  
Email Address:  
BannerID: **T00692195**

College: **Agriculture & Life Sciences**  
Major: **Horticulture**  
Degree: **Master of Science**  
Term: **SPRING 2010**  
UIN: **809008610**

## **Comments:**

**29 September 2009**

**To members of the Graduate Admissions Committee,**

**I am pleased to have the opportunity to write a letter of recommendation for Laura Masor for admission into your Graduate program. I have come to know Laura because she has taken my BIO 392, Plant Morphology class, Summer session I, 2009. Laura worked hard in the Plant Morphology class which has an extensive laboratory. She completed all the objectives for the class and made a grade of A. Laura was a pleasure to have in class and interacted well with the other students. I had the opportunity to get to know the students in that small class, and Laura was personable and interesting. I think she would be able to interest well with other people.**

**I also know Laura because she completed a BIO 495, Special Topics in Biology course under my supervision during Summer session II, 2009. Laura's project involved making improvements to an established educational garden (vegetables, flowers, trees and shrubs) at Gibbs PreK Center (300+ students) in Huntsville, Texas. Laura weeded, trimmed trees and shrubs and planted perennials, keeping in mind her target audience – 3, 4 and 5 year-old children. She also took cuttings of a native plum and fig to generate plants to grow on the school grounds. Laura did an excellent job with this project. I volunteer at the PreK Center one afternoon each week, working with several classes of students, but rarely with time for garden upkeep. Because of Laura's efforts, the garden looks great and she is hoping to continue her work at Gibbs this Fall.**

**Laura is excited about continuing her education. I believe Laura has much potential and would have the motivation and drive to complete a graduate degree.**

**If I can be of further assistance, please do not hesitate to contact me.**

**Sincerely yours,**

**Joan Hudson, Ph. D.  
Associate Professor of Biology**

**From:** [John L Jifon](#)  
**To:** [Erik Mirkov](#); [Nael El-Hout](#); [Qingyi Yu](#); [C. Wayne Smith](#); [Bill L Rooney](#)  
**Subject:** Fwd: Letter for Dr. Collins Kimbeng  
**Date:** Tuesday, October 13, 2009 4:57:13 PM  
**Attachments:** [Dr Mike Gould.docx](#)

---

Dr. Mike Gould,

This is a letter of recommendation for Dr. Collins Kimbeng who has applied for the Plant Geneticist Position. Collins did his Ph.D. research with me in the late 1990s, and I have followed his research since that time. The potential that Collins displayed when he started with me was proven by the time that he finished, and is reinforced by his accomplishments during the past ten plus years. He demonstrated leadership on my project in helping others around him, including me. He saw ways of using our plant materials to answer more questions about population improvement than I had thought of, quite frankly. This can be seen in his early publications.

Similarly, Dr. Kimbeng's productivity on his Post-docs in Canada and Australia, and in his current position at LSU, proves to me that he is in complete command of genetic biology of crop plants. One of his strengths, in my view, is that he has a solid base in traditional genetics, and has learned the methods and language of DNA technology as it has developed. Thus, he knows the strengths, weaknesses, and applications of molecular methods, right down to the level of field trials and production. I believe that this is very important when using molecular marker in plant improvement.

In early August of this year, we had a conference in Madison, WI, on the future of Plant Breeding Education, where I was able to visit with Collins, and several of my former students. We found time for lots of in depth discussions about the future of the world in terms of food and energy, and I am convinced that Collins is on top of everything that is going on. Sugarcane is an important player among world crops, and Collins has experience with sugarcane in two large countries, in two hemispheres. Thus, I believe that he is uniquely qualified for the position.

Hence, it is my pleasure to give Dr. Collins Kimbeng my highest recommendation, on the basis of his scholarship, productivity, and proven ability to lead and work with people.

Sincerely,  
Edwin T. Bingham  
Professor Emeritus, Agronomy Department  
University of Wisconsin-Madison

p.s. If a signed copy of this letter is required, let me know, and one will be sent by surface mail.

**From:** [C. Wayne Smith](#)  
**To:** [Dave Byrne](#); [Steve Hague](#); [Seth C Murray](#); [dirk hays](#); [Dave Stelly](#); [Bill L Rooney](#)  
**Cc:** [Mark H Hall](#)  
**Subject:** Fwd: Networking Opportunity at Monsanto  
**Date:** Monday, August 17, 2009 11:47:53 AM  
**Attachments:** [Networking Opportunity at Monsanto \(26.7 KB\).msg](#)  
[C. Wayne Smith1.vcf](#)

---

FYI especially for MS students.

Wayne

C. Wayne Smith  
Professor and Associate Head  
Department of Soil and Crop Sciences  
2474 TAMU  
Texas A&M University  
College Station, TX 77843-2474  
979.845.3450  
cwsmith@tamu.edu

>>> David Baltensperger 8/17/2009 11:05 AM >>>  
Mark,

Please share this with students. Thanks.

David D. Baltensperger  
Professor and Head  
Soil and Crop Sciences  
Texas A&M University  
2474 TAMU  
College Station, Texas 77843-2474

Phone 979-845-3041  
Fax 979-845-0456  
Email [dbaltensperger@ag.tamu.edu](mailto:dbaltensperger@ag.tamu.edu)

**From:** [GOMEZ, CARLOS \[AG-Contractor/1005\]](#)  
**To:** [dbaltensperger@ag.tamu.edu](mailto:dbaltensperger@ag.tamu.edu)  
**Subject:** Networking Opportunity at Monsanto  
**Date:** Monday, August 10, 2009 2:28:19 PM  
**Attachments:** [Research Associate Bates.docx](#)

---

Good Afternoon David,

I appreciate your time and attention to this email. I am a Biotech Recruiter for Monsanto. Monsanto is a world leader in the agriculture/biotechnology industry. We are a stable, large, and fast growing organization that uses the most current cutting edge technologies to apply scientific research. I was hoping to connect with you and network on behalf of some opportunities that I am recruiting for. Please review the job description and let me know if anyone comes to mind that may be a good fit. I look forward to the opportunity to network with you. If you have any questions, feel free to contact me directly. My contact information is listed below.

Best Wishes,  
Carlos

**Carlos Gomez**

Biotech Recruiter- Talent Acquisition

**Monsanto**

700 Chesterfield Pkwy West - GG3K

Chesterfield , MO 63017

636-737-7642-Office

858-692-0551- Cell

636-737-6768- Fax



[www.monsanto.com/careers/](http://www.monsanto.com/careers/)

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**Monsanto values diversity and is an equal opportunity affirmative action employer.**

Monsanto is seeking a highly motivated individual to work within a multi-disciplinary team to develop future transgenic traits in corn. Main responsibilities will be to assist the station manager and the field testing lead with the preparation, planting, maintenance, field observation data collection, and harvest of regulated corn field trials. In addition, the successful candidate should possess good mechanical skills including experience with planting, spraying, irrigation design and setup, drip irrigation, and harvest equipment. The successful candidate should have a working knowledge of the biology of plant growth, development, and yield. Other major responsibilities are periodical supervision of temporary labor crews and becoming proficient at data entry. Excellent communication skills, interpersonal abilities and attention to detail will be required to effectively function in the high-performance team-based organization. The individual must follow and support company safety policies and will be assigned roles within the Monsanto Environmental Safety and Health (ESH) program and participate in the world class driver safety program. The position is based in Davis, CA with moderate day travel to research fields, and will require some long hours during the field season (planting preparation to post harvest activities). Overnight travel may be required for company meetings or functions.

The position requires a M.S. or B.S. (with agricultural research experience) in agronomy, soil science, plant pathology, mechanical agricultural or a related discipline. Effective maintenance, repair, and operation of farm equipment are required. The applicant should demonstrate leadership and verbal communication skills and the ability to supervise small groups of temporary labor. In addition, the candidate should have satisfactory organizational, record keeping and computer skills including hand held data devices or demonstrate the potential to learn these skills. The individual should have a pesticide applicator license or have the ability to obtain one. The individual is required to have a valid driver's license and the ability to obtain a commercial driver's license (CDL). The individual must be able to understand and follow regulatory compliance guidelines relating to regulated testing and also those regulations imposed by agencies such as OSHA, DOT and the EPA. During the field season, the applicant must be able and willing to work weekends and long hours as necessary.

**Desired skills/education/experience/attributes (ideal candidate):** Farm Equipment Operation Experience, Mechanical Experience, Field Research Experience, Irrigation Experience (drip), BS with field research experience or MS in agronomy.

**Other Information (travel, relocation benefits, hours etc.)** Field Season - daily travel, Company meetings 1-2 times a year (3-4 nights), Expect long hours during seed preparation and pre-planting field activities, planting, harvest, and post harvest activities. During the growing season expect to work 9 plus hour days. Otherwise an 8 hour day is expected. Relocation benefits will be provided.

**From:** [David Baltensperger](#)  
**To:** [George L Hodnett](#)  
**Cc:** [Bill Rooney](#)  
**Subject:** Fwd: Significant Deficiencies Resolved: Greenhouse-Headhouse (Building955)  
**Date:** Friday, October 09, 2009 5:29:50 PM  
**Attachments:** [Greenhouse-Headhouse \(Building 955\) \(60.6 KB\).msg](#)

---

George,

Thanks for your attention to the problems.

David D. Baltensperger  
Professor and Head  
Soil and Crop Sciences  
Texas A&M University  
2474 TAMU  
College Station, Texas 77843-2474

Phone 979-845-3041  
Fax 979-845-0456  
Email [dbaltensperger@ag.tamu.edu](mailto:dbaltensperger@ag.tamu.edu)

To: Dr. Mark A. Hussey  
Vice Chancellor and Dean  
College of Agriculture and Life Sciences  
2147 TAMU

Through: Christina E. Robertson, CIH  
Environmental Safety Manager

From: Ester A. Chalmers  
Environmental Safety Specialist  
Environmental Health & Safety  
4472 TAMU

Date: October 8, 2009

Re: Follow-up Laboratory Inspections  
Greenhouse-Headhouse, Building 955

Follow-up inspections were conducted on October 2, 2009 for the laboratory facilities located in the building referenced above. After an annual laboratory safety inspection is conducted, the Principle Investigator (PI) receives a report listing safety concerns noted during the inspection. Items listed on the report are categorized as Deficiencies, Items of Concern, or Information. Deficiencies are significant findings and must be corrected within 45 days from the date the report is issued. Follow-up inspections are conducted to verify that Deficiencies have been corrected. Other items on the report are expected to be corrected expediently at the discretion of the PI.

All Deficiencies noted during the initial inspection of the Greenhouse-Headhouse laboratories have been corrected. *Please note that only items identified as Deficiencies were verified during re-inspection.* Inspection reports have been updated accordingly and forwarded to the respective PIs.

We commend your faculty and staff for their timely response to correcting safety deficiencies in their work areas. We appreciate your efforts in ensuring a safe laboratory environment for Texas A&M University faculty, staff, students, and visitors.

cc: Dr. David D. Baltensperger  
Mr. George Hodnett

**From:** [Robertson, Christina](#)  
**To:** [Hussey, Mark](#)  
**Cc:** [Baltensperger, David](#); "[ghodnett@ag.tamu.edu](mailto:ghodnett@ag.tamu.edu)"; [Salsman, John M](#); [Urbanczyk, Bradley D](#); [Eaker, Nancy L](#); [Chalmers, Ester A](#)  
**Subject:** Significant Deficiencies Resolved: Greenhouse-Headhouse (Building 955)  
**Date:** Friday, October 09, 2009 3:10:24 PM  
**Attachments:** [Hussey - Dean All Initial Corrected.pdf](#)

---

Dear Dr. Hussey:

Please see the attached report regarding EHS's inspection of the Greenhouse-Headhouse (Building 955). All significant deficiencies were corrected within the prescribed timeframe.

Thanks to you and your staff for addressing these issues so promptly.

~~~~~

Christina Robertson, CIH  
Industrial Hygiene Program Manager  
Environmental Health and Safety Department  
Texas A&M University  
[ChristinaRobertson@tamu.edu](mailto:ChristinaRobertson@tamu.edu)

4472 TAMU | College Station, TX 77843

Tel. 979.862.2062 | Cell. 979.777.4865 | Fax. 979.845.1348

<http://ehsd.tamu.edu>

**From:** [David Baltensperger](#)  
**To:** [Carol Rhodes](#)  
**Cc:** [David Baltensperger](#)  
**Subject:** Fwd: Tom Slick Fellowship Applications for Spring 2010  
**Date:** Thursday, October 22, 2009 10:12:04 AM  
**Attachments:** [Spring 2010 Tom Slick Announcement.pdf](#)

---

David D. Baltensperger  
Professor and Head  
Soil and Crop Sciences  
Texas A&M University  
2474 TAMU  
College Station, Texas 77843-2474

Phone 979-845-3041  
Fax 979-845-0456  
Email [dbaltensperger@ag.tamu.edu](mailto:dbaltensperger@ag.tamu.edu)

>>> "Robert L. Pottberg" <[rpottberg@poultry.tamu.edu](mailto:rpottberg@poultry.tamu.edu)> 10/22/2009 9:12 AM >>>  
Attached is the Tom Slick Application for the Spring 2010 semester.  
Please forward to any of your graduate students that you feel would be  
interested in applying for this fellowship. The deadline for  
applications is November 11, 2009.

If you have any questions please call or email.

Robert Pottberg  
Administrative Services Officer  
Poultry Science Department  
Texas A&M University and Texas AgriLife Research  
101 Kleberg Center  
2472 TAMU  
College Station, TX 77843  
ph: 979-845-1931  
fax: 979-845-1921  
<http://posc.tamu.edu> <<http://posc.tamu.edu>>

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October 22, 2009

**MEMORANDUM**

**TO:** Dr. John Nichols, Department of Agricultural Economics  
Dr. Gary Acuff, Department of Animal Science  
Dr. Tim Davis, Department of Horticultural Sciences  
Dr. John Carey, Department of Poultry Science  
Dr. Steve Whisenant, Department of Ecosystem Science and Management  
Dr. David Baltensperger, Department of Soil and Crop Sciences  
Dr. Thomas Lacher, Department of Wildlife and Fisheries Science

**SUBJECT:** Applications for Tom Slick Graduate Fellowships

The Tom Slick Fellowship Committee is ready to receive applications from eligible PhD. candidates for the Tom Slick Graduate Fellowships for the Spring Semester 2010. We are attaching information on selection criteria, information on application contents, and format. This fellowship will be \$20,100 for a 12 month appointment for a period of one year, \$1000.00 discretionary funds, plus an insurance stipend. Tuition only payment for up to twenty-four hours (9 Fall, 9 Spring, and 6 Summer) for the twelve month term of the fellowship will also be provided depending on the availability of funds.

The awards are made to graduate students in programs listed in the attached selection criteria. A GPA of 3.5 or above is required for an applicant to be considered. You will note that the applicant must be primarily engaged in research for his/her degree. Course work should be essentially completed by the time of application, but each applicant will be considered individually.

All students applying for or receiving a Tom Slick Graduate Fellowship should be aware that a "fellowship" may cause problems with certain types of student loans. All interested students who have loans should check with Student Financial Aid to determine the impact of this fellowship on their loan program.

Completed applications should be sent to Robert Pottberg, Room 101D Kleberg Center, by **Wednesday, November 11, 2009.**

Sincerely,



C.R. Creger

Chairman, Tom Slick Graduate Fellowship Committee

Attachments

cc: Tom Slick Fellowship Committee

101 Kleberg Center  
2472 TAMU  
College Station, TX 77843-2472

Tel. 979.845.1931  
Fax. 979.845.1921  
<http://posc.tamu.edu>

## **TOM SLICK GRADUATE RESEARCH FELLOWSHIPS**

The Tom Slick Graduate Research Fellowship Program in the College of Agriculture and Life Sciences at Texas A&M University provides financial support for the research training of exceptional graduate students regardless of nationality. The topic of the research conducted by the student should be relevant to the agriculture of Southwest Texas, and the research must be conducted in the State of Texas. Recipients are selected twice yearly with fellowships beginning January first and September first. Tenure is for no more than 12 months. The stipend is comparable with those of other competitive graduate fellowships, and a discretionary expense fund is provided for each Fellow. Fellows are selected by a committee appointed by the Dean of the College of Agriculture and Life Sciences. All requirements must be met by the applicant in order for his/her application to be considered.

Any questions regarding the following guidelines should be directed to the departmental representative of the Tom Slick Fellowship Committee or my office at 845-1931.

### Selection Criteria:

1. The applicant must be a fulltime PhD. graduate student enrolled in one of the following degree programs within the departments listed below:
  - a. Agricultural Economics in the Department of Agricultural Economics
  - b. Animal Breeding, Animal Science and Physiology of Reproduction in the Department of Animal Science
  - c. Horticultural Sciences in the Department of Horticultural Sciences
  - d. Poultry Science in the Department of Poultry Science
  - e. Rangeland Ecology and Management in the Department of Ecosystem Science and Management
  - f. Agronomy, Plant Breeding, and Soil Science in the Department of Soil and Crop Sciences
  - g. Wildlife and Fisheries Sciences in the Department of Wildlife and Fisheries Sciences

**Due to specifications listed in the Tom Slick Memorial Trust; Students from Inter-disciplinary Programs are ineligible for this fellowship.**

2. Applicant must have a GPA of 3.5 or above.
3. The applicant must be primarily engaged in research for his/her degree. Course work should be essentially completed by the time of application, but each applicant will be considered individually.
4. Successful applicants must have passed their preliminary examinations before receiving Tom Slick stipends.
5. Applicants may not be employed above 50% effort and receive this fellowship. If employed and receiving a health insurance stipend from employed position, applicants will not be eligible for insurance stipend from the fellowship.



Application Contents:

1. A cover page in the format of the attached example.
2. A letter addressed to the Selection Committee, Tom Slick Graduate Research Fellowships, requesting consideration, and giving any biographical information that the applicant deems necessary. The applicant must explain the significance of his/her research objectives.
3. A letter of recommendation from the chair of the student's advisory committee (major professor).
4. A list of publications and presentations at scientific meetings for the last 5 years.
5. A current copy of the Degree Program approved by the Office of Graduate Studies with amendments as necessary.
6. The applicant must be a full-time student and must be enrolled in at least 9 hours during the regular semester and at least 6 hours during the summer session.
7. A 1-page summary of the applicant's Dissertation Proposal. It is preferred that this proposal be approved by the applicant's Advisory Committee and the Office of Graduate Studies.

Eight (8) copies of the application should be sent to:

Dr. C. R. Creger, Chairman, c/o Robert Pottberg  
Tom Slick Committee  
Department of Poultry Science  
Room 101, Kleberg Center  
Campus 2472

## FORMAT -- TOM SLICK APPLICATION COVER SHEET

NAME OF STUDENT  
ACADEMIC DEPARTMENT

1. LOCAL ADDRESS

---

---

---

2. GPA: \_\_\_\_\_

3. PRELIMINARY EXAMS: State whether completed or date scheduled.

4. STATUS OF PROPOSAL: Submitted to committee, approved by committee, or approved by Office of Graduate Studies.

5. COURSES: State the courses that have yet to be taken, and when they will be taken.

6. EXPECTED GRADUATION DATE: Month and Year.

7. DISSERTATION TITLE: Give full title.

8. INDICATE PRESENT POSITION OR MEANS OF SUPPORT: GANT, GAT, etc.

This is to certify that the above information has been checked and we attest to its accuracy and completeness.

---

Student

---

Major Professor

---

Department Head

**From:** [Lloyd Rooney](#)  
**To:** [wlr@tamu.edu](mailto:wlr@tamu.edu)  
**Subject:** Fwd: Winrock proposal  
**Date:** Wednesday, November 11, 2009 8:48:39 AM  
**Attachments:** [Winrock proposal \(885 KB\).msg](#)

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This is the WINROCK proposal that was granted and Eliana Pinella, MSci student will be working on it. She is fluent in spanish and a MS student with one year experience with Kelloggs R&D. LWR

**From:** [Pamela Littlejohn](#)  
**To:** [Eliana Pinilla](#)  
**Cc:** [Lloyd Rooney](#)  
**Subject:** Winrock proposal  
**Date:** Monday, November 09, 2009 3:35:34 PM  
**Attachments:** [WINROCK SOW Vilma Calderon.pdf](#)

---

attached, from Dr. Rooney.

Winrock International  
John Ogonowski El Salvador Farmer-to-Farmer Program  
*Funded by the U.S. Agency for International Development*  
Request for Technical Assistance  
Scope of Work (SOW)

**Sorghum Utilization and Marketing**

*From Vilma  
Review  
8/12/09  
Printed  
Rec'd 8/11/09*

**Partners Country Organization Information**

1. Name: National Center for Agriculture Technology (CENTA)/ INTSORMIL  
(The Sorghum and Millet and Other Grains Collaborative Research Support Program)  
Street Address: km 331/2 Carretera a Sta Ana  
City: San Andres  
Department: La Libertad  
State/Oblast: El Salvador  
Telephone: (503) 2302-0200  
Fax: (503) 2302-0294  
Is this a repeat organization? Yes  
Partner Type: Government Institution  
Hosts to be assisted:  
Food Industries, Farmers, NGO's members and CENTA'S customers project clients.

**Name and Position of Contact Person**

Name: Vilma Ruth Calderón de Zacatares  
Title: Research Assistant  
Gender: Female  
Cell: (503) 7115-7181  
Email: vilmaruth02@yahoo.com

**Assignment Information**

**Number and Expertise of Volunteer Experts Requested:**

The volunteer should have knowledge and skills related with food processing, food analysis, cereal processing, and knowledge of grain milling equipment, economic analysis tools and business / projects management that will help to analyze the economic conditions and help to design an improved strategy of business. He/she should be able to point out the necessary steps in order to assist farmers, food industries personnel, NGO's; students and others, to contribute to the transformation of sorghum from subsistence crops to value added cash crops and analyze the economy of the business / project.

**Duration and Dates of Assignment (including travel):**

The proposed dates to carry out the assignment are about two (2) weeks starting at beginning of February or mid February 2010.

## **Executive Summary**

Prices of many basic foods skyrocketed in 2008 resulting in a major food crisis that affected millions of poor people throughout the world. The causes of the crisis are many and complex. An increasing demand for food and energy at a time of low food stocks, poor harvest and weak credit has to lead to record prices for food and oil. This situation provide an excellent opportunity for regional research institutions to improve food security, enhance farm income and improve economic activity, promoting sorghum utilization for food as a substitute for wheat and other cereals in baked products, ethnic beverages and nixtamalized products.

Scientific Research developed by CENTA with INTSORMIL/USAID support since 2003; has been leading efforts to promote profitable markets, asses economics, and facilitate the evolution of a production supply chain that deliver quality grain to end user for food utilization and feed. Recent INTSORMIL research on the nutritional benefits of food sorghums forms a strong base to enable the processing and commercialization of sorghum varieties. New varieties developed by CENTA scientists, with excellent food quality have been effectively used in many food products to extend the substitution of wheat flour, snack foods, and related products where the bland flavor and light color have real advantages.

Major activities of this project include the utilization of sorghum as a substitute for costly wheat flour in a wide array of foods. Other objectives are facilitate the growth rapidly expanded markets for sorghum products by providing information (skills or know-how) on nutritional properties, processing quality, food manufacturing processes and milling equipment with improved efficiency and prototype products using sorghum as an ingredient or major component. Other main objective is to develop procedures to use low cost grinders (Omega VI) designed by Compatible Technology International (CTI) to mill sorghum into flour for use in a wide variety of products providing practical technical assistance and information on flour quality for end users.

With this assignment, Farmer to Farmer Program could provide the necessary tools and basic knowledge for entrepreneurs, farmers, NGO's and other interested, and improve the economic analysis to set up or manage business in the Ag sector.

### **Background and Partner Organization Profiles**

#### **CENTA**

For further information about CENTA's activities and information please visit:  
<http://www.centa.gob.sv>

CENTA founded in 1977. Is a semi autonomist government institution with a unique mission: the technology generation and transference in the agricultural sector to solve all the problems and constrains from farmers in the different producing areas.

CENTA's main objectives are to reduce poverty and improve economic situation of farmers and other people related to the agricultural sector, providing and promoting technical assistance, training and information on crop production, supply chain management, processing technologies, marketing, laboratory analysis, services and related matters.

CENTA's customers are producers, industries, small, medium and big farmers, exporters requesting technical assistance and services covering a great range of sectors: agriculture crops (cereals, fruits and vegetables) food and beverages, chemical and pharmaceutical, textiles and many others.

**Objective of the assignment:**

Facilitate the growth of rapidly expanding markets for sorghum products by providing skills, training on processing quality, processing technology, food manufacturing processes (artisan) with improved efficiency and assistance in product development using sorghum as a major ingredient.

**Tasks to be performed (by the volunteer):**

- Assist people in food manufacturing processes (GMP)
- Provide Technical assistance for grain and flour quality and milling equipment uses
- Assistance in product development prototypes using sorghum as major ingredient
- Enhance product marketability
- Assist with economic analysis tools and business management

**Proposed schedule**

| <i>No.</i> | <i>Activity</i> | <i>Place</i> | <i>Dates planned</i> |
|------------|-----------------|--------------|----------------------|
| 1          |                 |              |                      |
| 2          |                 |              |                      |
| 3          |                 |              |                      |
| 4          |                 |              |                      |
| 5          |                 |              |                      |
| 6          |                 |              |                      |
| 7          |                 |              |                      |
|            |                 |              |                      |

*Deliverables:*

1. A procedure manual and sorghum product recipes

**Estimated Number of Beneficiaries:**

The total amount of beneficiaries:

Direct Female: 300

Direct Male: 150

Indirect Female: 100

Indirect Male: 50

## **Working/Living Conditions and Materials Needed for Assignment:**

In San Salvador Metropolitan Area the volunteer will be lodge in:

Santa Elena Hotel

Boulevard y Urbanización Santa Elena

Calle Cerro Verde Pje. #10,

Antiguo Cuscatlán, La Libertad,

Tel. 22 47 78 77, Fax 22 78 17 18

E-mail: [hotelsantaelena@telesal.net](mailto:hotelsantaelena@telesal.net)

Website: [www.hotelsantaelena.com](http://www.hotelsantaelena.com)

Lodging daily rate for Winrock volunteers are US\$ 47.20 (taxes and complete breakfast included). Other services are: AC, cable TV, private bathroom, hot water and telephone in the room, 24 hrs security and internet access in the Hotel computer free. There are many restaurants and coffee shops around the area (5-10 min walking). The hotel has a laundry service. Warnock's office is located in the FUSADES building one block from the Hotel and three minutes walking from US Embassy in Santa Elena sector.

In January/February Santa Elena sector' temperature is around 28-30°C (Celsius degrees). Antiguo Cuscatlán, where is located the hotel, is in a fresh area because it is surrounded by trees, coffee plantations and natural forest. The altitude is 900 meter sea level (msnm). We recommend bringing mosquitoes repellent, like B12 vitamin for the city and the field areas. Other insects are no problem, unless the volunteer is allergic to them.

CENTA's office is located at km 331/2 road to Sta Ana. Driving is 20 min in far from the Santa Elena Hotel. CENTA's personnel has free transportation from San Salvador two ways.

If the volunteer would like to visit some places on weekends around the country such as lakes, rain forest, arqueological sites, beaches, volcanoes, coffee areas, we have a special agreement with a tourist operator called "Calle Real" for further information please visit this web page: [www.senderoselsalvador.com](http://www.senderoselsalvador.com) . If you want to arrange a weekend trip do not hesitate and contact in advance to Winrock El Salvador Office to [estrellachavez@yahoo.com](mailto:estrellachavez@yahoo.com) (Estrella Chavez, Technical Assistant Farmer to Farmer Program).

End of Assignment Report Required:

At the end of the present assignment and prior to departure for the US, the volunteer should write an end of assignment report highlighting major activities and further recommendations for our partners. The report should include the objectives of the assignment, tasks performed and indicators to assess the level of implementation of the volunteer recommendations. Volunteers personal assessment as to any recommendations as to the continuation of activity with partners, and follow up assignments should also be included in the report.

## **Assignment Information (for Program Management)**

Date SOW sent to HQ: ☒

Is there a local partner organization collaborating on this assignment? Yes



## Partner Country Organization Information

1. Name:

Street Address:

City:

Department:

State/Oblast:

Telephone:

Fax:

Is this a repeat organization?

Partner Type:

Hosts to be assisted:

CoExport members and project clients.

## Name and Position of Contact Person

Name:

Title:

Gender:

Cell:

Email:

Suggest previous volunteers or EOAs that potential recruits should contact: n/a

## Resources to be Contributed by the partner:

| Driver:     | # of Days (14) | Estimated Value in \$U.S. |
|-------------|----------------|---------------------------|
| Interpreter | # of Days (14) | Estimated Value in \$U.S. |
| Lodging:    | # of Days ( )  | Estimated Value in \$U.S. |
| Meals:      | # of Days ( )  | Estimated Value in \$U.S. |
| Transport   | # of Days (14) | Estimated Value in \$U.S. |
| * Other:    | # of Days (5)  | Estimated Value in \$U.S. |

\* include: seminar costs in a local Hotel (meals, breaks, materials, and rooms), office space and supplies, local telephone use, fax, internet, local cell phone, computer use, others.

Total \$U.S.

Estimated Lodging Costs *(not applicable to all countries)*:

San Salvador: Hotel Santa Elena:

## ASSIGNMENT INDICATORS

Types of Volunteer Assistance (required)\*:

☐ Business/Enterprise Development

Commodity Chain Activities (required)\*:

☐ Support Services

Assignment Focus

☐ Other

| USAID Impact Indicators                                    | Baseline data |
|------------------------------------------------------------|---------------|
| Net Income (\$)                                            | <i>TBD</i>    |
| Sales (\$)                                                 | <i>TBD</i>    |
| Organization Revenue (\$)                                  | <i>TBD</i>    |
| Number of Members                                          | 90            |
| Productivity (Yield)                                       | <i>TBD</i>    |
| Area Covered by Improved Natural Resources Management (ha) | N/A           |
| People with Improved Environmental Services                | <i>N/A</i>    |
|                                                            |               |
| For financial service providers only:                      |               |
| Volume of Transactions                                     | <i>TBD</i>    |
| Capital                                                    | <i>TBD</i>    |

**From:** [Simpson, Shay](#)  
**To:** [Bill Rooney](#); [Steve Searcy](#); [James Richardson](#)  
**Cc:** [Spurlin, Shayna](#); [Avant, Bob](#); [McCutchen, Bill](#); [Nelson, Michelle](#)  
**Subject:** GA Consortium Proposal - Cut back  
**Date:** Wednesday, September 09, 2009 4:40:12 PM  
**Attachments:** [AgriLife DOE PMC123 1-Budget Justification.xls](#)  
[AgriLife GA DOE FOA-0000123 total budget.xls](#)  
**Importance:** High

---

Bill, Steve, and James:

David Hazlebeck just spoke with Bob Avant to say that our Federal requested amount of \$2.4 Million is too high and needs to be cut back to \$2.0 M. This is a 20% reduction. Shayna and I are working on getting a different Consortium proposal out the door and can not switch to the GA Consortium until tomorrow.

We need you each to cut your budgets back however you see appropriate by 20% each.

I've attached the Final Budget internal form where Shayna combined all of your tasks. This form has many items broken down easily for you to see where your task is mentioned. However, some things like tuition are not broken down. If you modify those things that are not broken down by task, please note such in your reply email.

I've also attached the Final Budget Justification where Shayna also combined all of your tasks. It is straightforward how the tasks are split apart, so please work only in your task area. Don't worry about changing the Fringe tab or Indirect tab as those we will handle in the justification form.

We will need your changes by 2 PM tomorrow (Thursday).

I hope this will be the last request on this consortium proposal.

Thanks,  
Shay

Shay L. Simpson  
Associate Director, Corporate Relations  
Texas AgriLife Research  
Centeq Building 100D  
979-845-6315 Office  
979-571-3137 Mobile  
[shay-simpson@tamu.edu](mailto:shay-simpson@tamu.edu)

**From:** [Spurlin, Shayna](#)  
**To:** [Rooney Bill](#); [Steve Searcy](#); [James Richardson](#)  
**Cc:** [Avant, Bob](#); [Zak, Kendra](#)  
**Subject:** GA Proposal FOA-0000123 - Budget Justification  
**Date:** Thursday, August 27, 2009 10:30:32 AM  
**Attachments:** [GA 0000123 budget.xls](#)  
[DOE PMC123 1-Budget Justification.xls](#)  
**Importance:** High

---

PLEASE SUBMIT TO ME BY 10 A.M. tomorrow, Friday, August 28, 2009

Good morning, All:

We are working to complete this proposal for submission to General Atomics, and we are required to use the DOE justification form (PMC123.1) that is attached to this email. Also attached is the Budget spreadsheet for this project containing a separate tab for each of the task areas.

Please complete the PMC123.1 form for your specific task area using the numbers in the attached GA 0000123 budget.xls spreadsheet. Please do not change any of the numbers ... the project total here has been approved. We just need you to complete the justification for materials, equipment, supplies, and travel. We will take care of the other tabs and then take care of combining into one large project justification.

If you have any questions, please let us know.

Thanks for your help!

Shayna Spurlin  
Texas AgriLife Research  
979.845.2364 office  
979.255.8319 cell  
979.458.2155 fax

---

**From:** Avant, Bob  
**Sent:** Friday, August 21, 2009 3:16 PM  
**To:** shay-simpson@tamu.edu; Spurlin, Shayna  
**Subject:** GA

Bob Avant  
Program Director  
Texas AgriLife Research  
979/845-2908  
512/422-6171 (Cell)  
[bavant@tamu.edu](mailto:bavant@tamu.edu)  
<http://agbioenergy.tamu.edu>

**From:** [Spurlin, Shayna](#)  
**To:** [Steve Searcy](#); [Bill Rooney](#)  
**Cc:** [Avant, Bob](#); [Simpson, Shay](#); [Zak, Kendra](#)  
**Subject:** GA DOE FOA-0000123  
**Date:** Thursday, August 27, 2009 5:42:52 PM  
**Attachments:** [PMC111\\_1-RD Environmental Questionnaire.doc](#)  
**Importance:** High

---

Evening Dr. Searcy and Dr. Rooney,

DOE is requiring the attached environmental questionnaire for inclusion in the proposal packet being submitted with General Atomics for FOA-0000123. Can you please complete this questionnaire for your lab and then return to me?

Thanks much!

*Shayna Spurlin*

Contract Manager  
Texas AgriLife Research, Corporate Relations  
100-G Centeq Building A  
1500 Research Parkway  
College Station, Texas 77843-2583  
979.845.2364 office  
979.255.8319 mobile  
979.458.2155 fax  
[sfspurlin@tamu.edu](mailto:sfspurlin@tamu.edu)  
<http://AgriLifeResearch.tamu.edu>

## R&D Laboratory Environmental Impact Questions

In order to receive Federal financial assistance, proposed projects must be reviewed under the National Environmental Policy Act (NEPA) for potential environmental impacts. For research and development activities, the following questions must be sufficiently answered before the review can be completed. Please add as much detail as possible.

1. Please provide and describe the location of the facility or facilities where lab work will take place.
2. What type of safety protocols are in place in the areas where work will take place? Who monitors these? Internally and externally? Are the safety protocols subject to OSHA or other standards? Please describe all safety and environmental protocols and standards related to this project.
3. How are the gases, chemicals, heavy metals, etc., handled, stored and disposed?
4. What type of safety equipment is in place for the facilities (i.e. fume hoods, alarms, scrubbers, etc...)?
5. What permits are in place for the facility for this type of work? Please list.
6. What permits are needed or will be acquired for this type of work? Please list.
7. How is liquid effluent handled and discharged?
8. How is toxic waste handled, stored, and disposed?
9. Will the work being done create any air pollutants? If so please explain how these are regulated, handled, disposed, or mitigated.
10. Are Genetically Modified Organisms (GMOs) being used? If so please describe how these will be transported, stored, handled and disposed? How are these classified by the USDA Animal and Plant Health Inspection Service (APHIS)?
11. Will prototypes be tested in a separate location, if so, please describe the location and answer questions #1-9?
12. Are subcontractors being used for some of the work? If so please answer Questions #1-11 for work being completed by subcontractors.

**From:** [John Mullet](#)  
**To:** [Bill Rooney](#)  
**Subject:** GANTT chart  
**Date:** Thursday, August 20, 2009 9:52:46 AM  
**Attachments:** [GANTT\\_Genome\\_Platform \(E\)\\_82009.xls](#)  
[ATT00023.txt](#)

---

Bill,

Trish and I are going to use the attached format for the GANTT charts (Walter sent me the template). Let us know if you want to do something different.

I attached the chart for the genome platform as an example.

Thanks,

John

**From:** [Bill Rooney](#)  
**To:** ["Nilesh Dighe"](#)  
**Subject:** give my exam  
**Date:** Sunday, October 18, 2009 5:23:48 PM  
**Attachments:** [Exam I - Fall 2009.doc](#)

---

Nilesh:

Please print the following exam and give it to my Agro 642 class on Thursday, Oct 22. You will need 12 copies (should be 11 students). If they need a little extra time, that is fine, it shouldn't take too much extra time.

If you have questions you can e-mail them to me. I should be able to check e-mail again early Tuesday morning (Texas time).

Regards,

Bill



**From:** [Bill Rooney](#)  
**To:** ["Steve Searcy"](#); ["James Richardson"](#); ["Bob Avant"](#)  
**Cc:** ["Mullet John"](#); ["McCutchen Bill"](#); ["Stelly David"](#)  
**Subject:** Goal 1 revisions  
**Date:** Tuesday, September 08, 2009 6:26:00 PM  
**Attachments:** [Goal 1 09 08 09 v2.0.doc](#)

---

Okay,

I've taken my shot at merging the information provided from each of you.

BAased on the input, we basically added a first objective to determin the optimum production and testing sites.

Steve and James - I did not edit your sections (didn't feel qualified), but if you can tighten them up so we can get the document to four pages, that would be good.

regards,

bill

Dr. William L. Rooney  
Professor, Sorghum Breeding and Genetics  
Chair, Plant Release Committee  
Texas A&M University  
College Station, Texas 77843-2474  
979 845 2151

**From:** [Bill Rooney](#)  
**To:** ["Mullet, John E"](#)  
**Subject:** goal 2 revisions  
**Date:** Monday, September 07, 2009 8:32:00 AM  
**Attachments:** [GOAL 2 JM BR 09 07 09.docx](#)

---

Goal 3 will be coming soon. Goal 1 to be determined...

bill

Dr. William L. Rooney  
Professor, Sorghum Breeding and Genetics  
Chair, Plant Release Committee  
Texas A&M University  
College Station, Texas 77843-2474  
979 845 2151

**From:** [Bill Rooney](#)  
**To:** ["Mullet, John E"](#)  
**Subject:** goal 2  
**Date:** Thursday, September 03, 2009 10:01:00 AM  
**Attachments:** [GOAL 2 09.03 wlr.docx](#)

---

John:

Attached are a few comments on the goal 2 aspects.

I like this format and plan to use it for Goals 1 and 3 as we work on those today, tomorrow and this weekend. Let me know if you plan to change any of this format.

bill

Dr. William L. Rooney  
Professor, Sorghum Breeding and Genetics  
Chair, Plant Release Committee  
Texas A&M University  
College Station, Texas 77843-2474  
979 845 2151

**From:** [John Mullet](#)  
**To:** [Bill Rooney](#)  
**Subject:** GOAL 2, revised  
**Date:** Tuesday, September 08, 2009 12:07:20 PM  
**Attachments:** [GOAL 2 JM BR 09 08 09.docx](#)  
[ATT00044.txt](#)

---

Bill,

I shortened and modified the budgets based on the new 5 year plan.

John

**From:** [John Mullet](#)  
**To:** [Adam Helms](#)  
**Cc:** [Bill Rooney](#); [Patricia Klein](#)  
**Subject:** GOAL 2; Tasks 2.1, 2.2 Milestones/Metrics  
**Date:** Tuesday, October 13, 2009 10:34:07 AM  
**Attachments:** [GOAL 2 Tasks 2.1, 2.2 Milestones 101209.docx](#)  
[ATT00039.txt](#)

---

Adam,

As requested.

John

**From:** [Stelly David](#)  
**To:** [Rooney Bill](#)  
**Cc:** [Stelly David](#); [David M.](#); [Mullet John](#); [Avant Bob](#)  
**Subject:** Goal 3  
**Date:** Tuesday, September 08, 2009 8:14:09 AM  
**Attachments:** [Goal 3 v4\\_09i08ds.doc](#)  
[ATT00005.htm](#)  
[Goal 3 v4\\_09i08ds.doc.pdf](#)  
[ATT00008.htm](#)

---

Bill (R),

I did not shift formats, but I did make a few additional changes and suggestions to the Goal 3 document.

I will be in class all day to day, prospectively until 5pm. **I will look for something at ~7pm, if you need another pair of eyes to look over what you have done; or for suggested activities (e.g., format conversion, if that has not been done).**

The PDF, generated with "document-compare", should indicate sites of change relative to what I sent yesterday after the meeting (possibly some overlap in changes).

David

**From:** [Stelly David](#)  
**To:** [Rooney Bill](#); [Klein Trish](#)  
**Cc:** [Stelly David David M.](#)  
**Subject:** Goal 3 Obj 4 Budget and Milestone (draft)  
**Date:** Friday, October 02, 2009 5:35:40 PM  
**Attachments:** [Darpa budget-oo.xls](#)

---

Sorry to be so late ... too many things going on.

Here is a draft of "my" part -- where I am to lead the document development:

Gross budget -- insufficient room for equipment and facilities ....  
need some IDC; will keep trying to identify needs that should be here  
(detailed in Budget items)

Budget items --

Annual agenda -- really more a thinking facilitator than anything  
else .... needs some more work

Milestones.

Hope the file works okay for : it is exported from OpenOffice.org  
in MS Excel format, which most of you probably use.

It is not a finished product but is probably more than DARPA will  
digest anyway.

Will do more over the weekend. PLEASE LET ME KNOW IF YOU CAN READ THE  
FILE OK .... I AM RELATIVELY NEW TO THE OPENOFFICE SYSTEM.

David

**From:** [Stelly David](#)  
**To:** [Rooney Bill](#)  
**Cc:** [Stelly David David M.](#)  
**Subject:** goal 3 revised  
**Date:** Monday, September 07, 2009 1:54:43 PM  
**Attachments:** [Goal 3 v3.0wr09i07ds](#)

---



**From:** [Bill Rooney](#)  
**To:** ["Mullet John"](#)  
**Cc:** ["Stelly David"](#); ["Bob Avant"](#)  
**Subject:** goal 3 to insert  
**Date:** Monday, September 07, 2009 9:02:00 AM  
**Attachments:** [Goal 3 v3.0.doc](#)  
[GOAL I.doc](#)

---

John

Attached is goal 3 for insertion into the overall plan.

Bob: I've attached the last version of goal I that I had (from last Thursday), but it is very rough. I'll work on it, but I've got another meeting to attend right now.

bill

Dr. William L. Rooney  
Professor, Sorghum Breeding and Genetics  
Chair, Plant Release Committee  
Texas A&M University  
College Station, Texas 77843-2474  
979 845 2151

**From:** [Mullet, John E](#)  
**To:** [wlr@tamu.edu](mailto:wlr@tamu.edu)  
**Subject:** GOAL 3 update  
**Date:** Monday, September 07, 2009 7:37:51 AM  
**Attachments:** [Goal 3 v2.1 JM.doc](#)

---

Bill,

I filled in the iap cloning/genotyping objective.

John

**From:** [Bill Rooney](#)  
**To:** ["Stelly David"](#)  
**Cc:** ["Mullet John"](#)  
**Subject:** Goal 3.0 document  
**Date:** Sunday, September 06, 2009 4:18:00 PM  
**Attachments:** [Goal 3 v2.0.doc](#)

---

David:

Attached is a adjusted version of the Goal 3 document.

I took and merged a couple of our objectives - on the screening and evaluation.

It also needs expertise on the cloning and mapping of iap. John - your insight is appreciated. However, as we will discuss tomorrow, the funding to do all of this may be limited if we hold to the \$1 million/year for this goal. I'll be thinking about that this evening.

I expect we can merge these tomorrow after the meeting.

Goal 1 needs more work.....  
regards,

bill

Dr. William L. Rooney  
Professor, Sorghum Breeding and Genetics  
Chair, Plant Release Committee  
Texas A&M University  
College Station, Texas 77843-2474  
979 845 2151

**From:** [Bill Rooney](#)  
**To:** ["Stelly David"](#); ["Mullet John"](#)  
**Cc:** ["Bob Avant"](#)  
**Subject:** GOAL 3  
**Date:** Tuesday, September 08, 2009 2:33:00 PM  
**Attachments:** [GOAL 3 09 08 09 TEXT.doc](#)  
[GOAL 3 09 08 09 OUTLINE.doc](#)

---

David

I accepted your changes on the text version of this document. Then I changed the format for consistency to the presentation in Goal 2 documents (attached as Goal 3....OUTLINE).

I have little else to add to this except possibly a diagram, but I'm not sure I'll get to that, so I'd recommend you take a look and edit as appropriate.

John - David's edits are primary at this point. Once those are in, I think that this Goal is pretty much finished. The outline consistency is not quite right, but there were a few discrepancies in Goal 2, so I wasn't sure which you preferred. We can adjust to either.

Now, onto Goal 1.....

bill

Dr. William L. Rooney  
Professor, Sorghum Breeding and Genetics  
Chair, Plant Release Committee  
Texas A&M University  
College Station, Texas 77843-2474  
979 845 2151

**From:** [Bill Rooney](#)  
**To:** ["Bob Avant"](#)  
**Cc:** ["John Mullet"](#); ["McCutchen, Bill"](#); ["Stelly David"](#)  
**Subject:** goal I  
**Date:** Wednesday, September 02, 2009 1:49:00 PM  
**Attachments:** [GOAL I.doc](#)

---

Bob:

I made an attempt on Goal I, but I'm not very happy with it. I think we tore up the original that you sent and I'm not sure that this is any better.

It is obvious that the logistics need to be included, and I simply used the information that you provided. I assume that you can fill this in as needed and if you need to consult with Steve that you will do so.

I am not sure at all about the economics portion - probably needs some more discussion. If it is included then I definitely think that Richardson needs to be brought in for writing.

Finally, objective 1 is primarily breeding/evaluation and I'm comfortable with that. Objective 2 is agronomics and I can write that, but we must discuss who (singular or plural) should be the lead on that objective. I think a discussion is necessary.

Comments,

Bill

Dr. William L. Rooney  
Professor, Sorghum Breeding and Genetics  
Chair, Plant Release Committee  
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College Station, Texas 77843-2474  
979 845 2151