

From: [John Mullet](#)
To: [Timothy Swaller](#)
Cc: [Walter Nelson](#); [Patricia Klein](#); [Bill Rooney](#)
Subject: Re: Sorghum NGS
Date: Tuesday, September 22, 2009 3:01:07 PM

Hi Tim,

For some reason your email did not reach me yesterday - Trish forwarded it today. Usually we coordinate on our responses so it is good that you continue sending email to both of us and who ever has the information you need will respond.

We would be happy to discuss running samples for Ceres. If you are preparing the templates, then these could be run when space is available. Right now we don't have template preparation as a turnkey operation, but we may get to that stage by the Spring.

Regards,

John

PS: I am copying Walter on this because we are scheduled to talk about several things Thursday including sweet sorghum line for genotyping.

From: "Timothy Swaller" <tswaller@ceres.net>
To: "Patricia Klein" <pklein@tamu.edu>, <jmullet@tamu.com>

Trish/John. How are things?

I am trying to get a list of sorghum lines together that we would be interested in for NGS processing.

In the mean time, are there additional genotypes you are running (within the Ceres/TAMU collaboration) which you will be sending to us?

Is there a scheduled timeframe for processing and data delivery? (sorry I am still catching up on things).

Can you give me a bit of information on the below lines?
Why were they selected and what is their importance?
(phenotype information is preferred if available)

Was there ever a vision of Ceres using this instrument for other NGS activities we have ongoing internally?
Example. you would provide a service @ some cost or make the instrument available to us for some predetermined time?

Last question: Should I continue to contact both of you for questions or is there 1 point person.

Thanks for the help.
Tim

Timothy Swaller
Director, IT and Genomics
Office: 805.376.6545
tswaller@ceres.net

<2a7bd8eb.gif>

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1535 Rancho Conejo Blvd. ~ Thousand Oaks, CA 91320 USA
www.ceres.net

Dr. Patricia Klein
Associate Professor
Institute for Plant Genomics and Biotechnology
TAMU 2123
Texas AgriLIFE Research
Texas A&M University
College Station, TX 77843-2123

phone: 979-862-6308
fax: 979-862-4790

From: [Tadege, Million](#)
To: [Bill Rooney](#)
Subject: RE: sorghum seeds
Date: Tuesday, September 29, 2009 5:24:42 PM

Dear Bill,

That is absolutely fantastic! Thank you very much for your help and for the information. I look forward to receiving the seeds. Yes, I spent 6 years at the Noble Foundation working on *Medicago truncatula*. We actually developed quite a fascinating system in *Medicago* for gene tagging and my strong hope is to reproduce that system in sorghum. I do recognize that sorghum transformation is tougher than *Medicago*, but I want to put every effort right now into it while I am fresh and energetic. It may make or break me, but I will do it from heart because I have been looking for the opportunity to work on sorghum for quite some time.

Best wishes,

Million

Million Tadege, Ph.D.
Assistant Professor, Plant Functional Genomics
Oklahoma State University
Department of Plant and Soil Sciences
368 Ag Hall
Stillwater, OK 74078-6028
Phone: 405-744-9643
email: million.tadege@okstate.edu

From: Bill Rooney [<mailto:wlr@tamu.edu>]
Sent: Tuesday, September 29, 2009 5:55 PM
To: Tadege, Million
Subject: RE: sorghum seeds

Million:

Congratulations on your appointment at OSU. Given your species of interest, it appears that you must have spent some time at Noble foundation.

I will send 5 g of the following cultivars:

07CS-GON65	117	P898012
07CS-SUR2014	32	R.Tx430
08CS7685	481	B.Tx623

Keerti Rathore at Texas A&M routinely transforms sorghum with *Agrobacterium*, but I'm not sure what genotype that he uses.

Best of luck.

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

-----Original Message-----

From: Tadege, Million [mailto:million.tadege@okstate.edu]

Sent: Thursday, September 24, 2009 3:30 PM

To: wlr@tamu.edu

Subject: sorghum seeds

Dear Dr. Rooney,

I am a new faculty here at OSU and moving into sorghum functional genomics. I visited College Station a couple of years ago and Marty Dickman showed me your very impressive hybrid sorghum varieties. He told me that some of those were delayed in flowering. I wanted to contact you for a while, but time went by quickly and here I am. One of my interests is to identify flowering time genes from sorghum and use those to delay flowering time and thereby increase total biomass and digestibility in sorghum and switchgrass. My other projects include identifying genes for leaf size and plant height. Right now, I work on *Medicago* and *Brachypodium* but my long term focus will be sorghum. I am equally interested in sweet and grain sorghum, molecular genetics. I do see an opportunity for me to collaborate with you on aspects of sorghum genetics in future. Right now, I have some requests. Would you be generous enough to send me some sorghum seeds for transformation? These could be any transformable variety. My preference would be P898012, Tx430, BTx623 and any sweet sorghum variety you may have. Do you know if BTx623 is transformable by *Agrobacterium*? Do you know someone who tried it? Of course, these will be used for academic research purposes only.

Thank you very much for your help.

Million

Million Tadege, Ph.D.

Assistant Professor, Plant Functional Genomics

Oklahoma State University

Department of Plant and Soil Sciences

368 Ag Hall

Stillwater, OK 74078-6028

Phone: 405-744-9643

email: million.tadege@okstate.edu

From: [Bill Rooney](#)
To: [REDACTED]
Cc: [REDACTED] ["Tim Trop"](#)
Subject: RE: Stillwater proposal
Date: Friday, October 09, 2009 11:06:27 AM

Mr. Gieskes:

Bob Osgood sent me a message indicating that you have a need for assessing land suitability for grain sorghum and experimentation plans for cooperative testing with HARC. I'm also somewhat familiar with your plans through Tim Trop.

Development of sorghum as a bioenergy crop takes up greater than ½ of my research time, so it is of importance to me. To that end, I would be interested in assessing the situation and working with HARC to explore the opportunities for grain sorghum on Hawaii.

I'd be happy to visit with either you or Tim further to develop a plan for further work. I'd like to visit with you, Tim or Bob (as appropriate) to develop a course of action and a timeline.

I'll be in the office all of next week (until Thursday) and as appropriate, please don't hesitate to contact me at the number below.

I look forward to hearing from you.

Regards,

Bill

Bill Rooney
Professor
Sorghum Breeding and Genetics
Department of Soil & Crop Sciences
Texas A&M University
College Station, Tx 77843
979 845 2151

From: [REDACTED]
Sent: Thursday, October 08, 2009 7:09 PM
To: wlr@tamu.edu
Cc: [REDACTED]
Subject: Stillwater proposal

Bill,

I am looking forward to meeting and working with you in Indonesia next week. Expect it to be a challenging project being so isolated.

I am writing now regarding a meeting held today at the Hawaii Agriculture Research Center (HARC). I

do occasional consulting at HARC and today was asked to participate in a meeting with Stillwater Associates and Plant Energy LLC. Attending for Stillwater were David Hackett, and Thomas Gieskes. For Plant Energy: Timothy Trop. Stephanie Whalen, the Executive Director of HARC and Lance Santo, HARC agronomist also attended. You may know that Mike Poteet has left HARC for another position, which is the reason I was asked to attend. We all signed non disclosure statements as I understand you have also.

Hawaiian Commercial and Sugar Co., located on Maui, suggested the meeting as they are the proposed site for a large grain sorghum /ethanol project. It was proposed by HC&S that HARC work with Stillwater to help design a testing program for GS. This would be a bit risky since no one at HARC has any experience with the crop. HARC could do the experimental work but would need help designing experiments and in determining which of the 40,000 acres at HC&S is suitable for sorghum. Some land is very stony and slopes may be too great for center pivot irrigation in other fields. Micro climates on the farm vary from low to high sunlight and are moderately rainy or very dry. Soils are quite variable too (molisols, oxisols, sand)

Your name came up as one who might be available to help with the experimental program including a visit to Hawaii to take a look at the situation. They (Stillwater) are not aware that we will be working together on the Indonesian project. Did not see any reason to disclose this at the meeting. If you are interested, suggest contacting Thomas Gieskes [REDACTED]. The task would be to advise HARC on a sorghum research program centered around agronomic practice and variety testing. Stillwater would be the contractor)

Much of the discussion today was on problems with bird predation at planting and at harvest. Any small plot work we have done was seriously impacted by birds and not sure if this would carry over into large field plantings. Are there bird resistant cultivars?

I asked a lot of questions regarding why grain sorghum and not sweet sorghum. The main reason seems to be storability of the grain but probably other reasons not disclosed.

Are there disease resistant, high yielding varieties adapted to Hawaii conditions is my main question?

Since GS or SS have never been grown on any scale in Hawaii, I think there is a long learning curve and will be interested in your thoughts.

Bob Osgood

From: [Bill Rooney](#)
To: [REDACTED]
Subject: RE: Stillwater proposal
Date: Friday, October 09, 2009 11:06:27 AM

You'll see my other e-mail....

As for birds, birds will always be a problem in small plots. They typically become less of a problem in larger acreages, but that varies from location to location. There are bird resistant types, but they come with some issues as well (which may not be issues, depending on the end use of the distillers grains).

Looking forward to meeting and working with you in Indonesia.

Regards,

Bill

From: [REDACTED]
Sent: Thursday, October 08, 2009 7:09 PM
To: wlr@tamu.edu
Cc: [REDACTED]
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Bob Osgood

From: [Bill Rooney](#)
To: ["Kathy Ferguson"](#)
Subject: RE: Sugarcane Geneticist and Breeder - WESLACO candidate
Date: Friday, October 09, 2009 4:07:20 PM

Kathy:

I'm open on the 14th and can meet with her at anytime. Please fit me in the schedule as appropriate and let me know.

Regards,

Bill

From: Kathy Ferguson [mailto:KFerguson@ag.tamu.edu]
Sent: Friday, October 09, 2009 3:51 PM
To: Amir M Ibrahim; Kevin Crosby; Martin Dickman; Steve Hague; Seth C Murray; Terry J Gentry; Dirk Hays; Frank Hons; Hong Bin Zhang; John E Mullet; Dave Stelly; Patricia Klein; Russell Jessup; Scott Finlayson; Bill L Rooney
Cc: David Baltensperger; C. Wayne Smith; Judy Young
Subject: Fwd: Sugarcane Geneticist and Breeder - WESLACO candidate

I received additional information so please see revised itinerary below! You will note Dr. Hale is flying out on the evening of October 14th, therefore there will be no meetings scheduled the following morning.

Once again, please reply as quickly as possible so we can finalize her itinerary.

Thanks,
Kathy

>>> Kathy Ferguson 10/9/2009 3:26 PM >>>

Dr. Ana Hale, candidate for the Plant Geneticist position in Weslaco, is coming in next week, she will be in Weslaco on Monday and Tuesday, arriving here in College Station the afternoon of the 13th. We will be scheduling meetings for the following day (October 14th). I have set the meeting blocks in 30 minute increments, however, this is flexible.

We are only days away from Dr. Hale arriving. Please reply as quickly as possible.

Please review this schedule and let me know what is the best time for you, and where you would like to meet with Ana.

October 13, 2009

Arriving in College Station @ 4:14 pm Continental Flight CO 1520

Pick up at Airport & delivered to Hawthorn Suites:

Dinner Meeting:

October 14, 2009

7:00 am Breakfast Meeting - Wayne Smith (drop off at H.R. by 8:15 am)

9:15 am Pick up from H.R. by:
(Deliver to Heep so she can prepare for her seminar)

11:00 am - possible tour of facilities (after seminar) by:

12:00 pm Lunch Meeting:

1:30 pm

2:00 pm

2:30 pm

3:00 pm

3:30 pm - Wrap up - David Baltensperger

4:00 pm - SCSC Seminar

5:00 pm - Dinner Meeting with:

6:00 pm - Deliver to Airport for departing flight at 7:15 pm by:

Thank you!
Kathy

Make it a GREAT day!

Kathy Ferguson

Senior Office Associate

Soil & Crop Sciences | Instruction Programs

MEPS | Instruction Programs

Texas A&M University

TAMU 2474

Heep Center, Rm 217

Phone: 979-845-4620 | MEPS: 979-845-0532 | Fax: 979-458-0533

"Learning is ever in the freshness of its youth, even for the old." Aeschylus

From: [Bill Rooney](#)
To: ["Nilesh Dighe"](#)
Subject: RE: Summary for USDA
Date: Tuesday, September 15, 2009 8:23:00 AM
Attachments: [Summary_Wet Chem TAMU.doc](#)

I modified it a little and sent it to Jeff. Attached is a copy. Thanks, 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

-----Original Message-----

From: Nilesh Dighe [<mailto:nileshdighe@neo.tamu.edu>]
Sent: Monday, September 14, 2009 8:53 PM
To: Bill Rooney
Subject: Summary for USDA

Dr. Rooney,

Please find the summary that you requested attached to this email. Please let me know if there are any changes or additions that needs to be done.

Regards,
Nilesh

Summary of the Compositional Analysis at Texas A&M University's Sorghum Breeding Lab

William Rooney and Nilesh Dighe

Texas A&M University's Sorghum Breeding Laboratory has developed a Near Infrared Reflectance Spectroscopy (NIRS) lab for the purpose of building and using NIR calibration models for predicting compositional traits of interest for grain, forage and bioenergy sorghum. In collaboration with the National Renewable Energy Lab (NREL) and the National Sorghum Producers, we are in the final phases of developing a calibration model for bioenergy sorghums. This model is specifically targeted at compositional traits important to energy conversion engineers and it including Glucans, Xylans, Lignin and Solubles.

Measurement of quality for forage sorghum is quite different. Over many years, animal nutritionists and plant scientists have developed rather efficient lab protocols to measure the forage quality of plant biomass. These figures provide relative estimates of protein, digestible fiber, non-digestible fiber using the measurements of ADF, NDF and crude protein (Weiss, 1994). These measurements are appropriate for ruminant animal feeding as they are designed to mimic the digestive processes that occur in the ruminant gut. The sorghum industry has extensive sets of forage quality data on sorghum hybrids used for animal feeding.

The goal of this project is to establish a relationship between traditional forage analysis and NREL composition methods. The specific objectives are 1) to utilize and expand on available wet chemistry analysis to create a robust set of sorghum biomass samples that have analyzed using both wet chemistry methods, 2) create (or use created) NIR calibration curves for both forage and biochemical analysis methods on this data set to estimate composition faster and more economically, 3) establish the relationship between the methods of estimation to accurately use one method to estimate the other, and 4) assess the relative effects of genotype, environment and maturity NIR analysis.

Current Activities

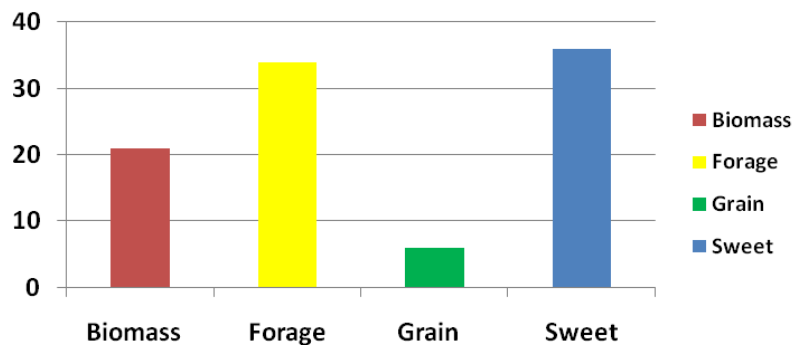
In the process of building a calibration model for bioenergy traits, we have created a core set of samples for which we have spectral and wet chemical data. This set includes 97 samples selected from diverse genetic backgrounds and environments, and are summarized below in Table 1 and Fig. 1. These 97 samples are now being analyzed by Dairy One for full forage quality. The obtained chemical data and the available NIR spectra will be used to develop independent calibration model for forage quality traits.

In addition to developing independent calibration models for both bioenergy and forage quality traits using the same set of samples, the available chemical data for bioenergy and forage quality traits along with the spectral data would allow us to build a NIR model to convert the abundant pre-existing forage quality data into measurable bioenergy traits.

Table.1 Summary of the Total Number of Samples with Wet Chemistry and Spectral Data

Sorghum Type	Number of Samples
Biomass	21
Forage	34
Grain	6
Sweet	36
Grand Total	97

Fig.1 Number of Samples/Sorghum Type



From: [Brummett, Robert G.](#)
To: [Bill Rooney](#)
Cc: [Brummett, Robert G.](#)
Subject: RE: Sweet Sorghum Project
Date: Monday, August 10, 2009 4:17:08 PM
Attachments: [Material Request Form r1-2.doc](#)

Bill,

The best thing to do would be to have them submit a Material Request Form if they've not already done so (do you know if they have?). I'll be glad to send it to them, or you can (its attached).

Thanks for the heads up.

-Robert

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Monday, August 10, 2009 3:36 PM
To: Brummett, Robert G.
Cc: 'Selahattin Aydin'
Subject: FW: Sweet Sorghum Project

Robert:

We would like to distribute F2 seed of some sweet x non-sweet populations to a faculty member in Turkey who is interested in mapping sweet sorghum QTLs. WE would provide seed of the F2 population and they would derive the population for evaluation in Turkey. This would be populations that we have not mapped but have used for breeding.

Let me know your thoughts and what we should do and can do to make this happen.

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

-----Original Message-----

From: Selahattin Aydin [REDACTED]
Sent: Monday, August 10, 2009 1:37 PM
To: Bill Rooney
Subject: Re: Sweet Sorghum Project

Dear Dr. Rooney,

Have you had any news from the licencing office yet? please let me know, best regards...

Selahattin

On Wed, Jul 22, 2009 at 8:03 AM, Bill Rooney <wlr@tamu.edu> wrote:
Selahattin:

It'll be very difficult to cross M81 with Tx623 because of the maturity. The only way to do it that I know of is to grow and cross them in the winter season under short days.

I have an [redacted] that we are not using for mapping. If you would like that, I think that I can provide you with that material. Obviously you'll have to derived the RILs, but this should get you a little further down the line.

I have to check with our licensing office to make sure that they are okay with providing the material, but I don't expect anything major - you may have to sign a simple agreement indicating that you got the material from us. Either way, I'll let you know.

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

-----Original Message-----

From: Selahattin Aydin [redacted]
Sent: Monday, July 20, 2009 12:38 PM
To: Bill Rooney
Subject: Sweet Sorghum Project

Dear Dr. Rooney,

I hope you are doing well, and enjoying with summer time.

As you we have an ongoing project funded by National Science Foundation (TUBITAK), and the topic is about determination of the markers that affect the sugar rate in sorghum.

So far, we tried to establish the F1's, but unfortunately we could not produce F1. The reason is that M81E is not flowering in our environment or flowering very late, so we could not have a chance to cross with BTx623. Right now we need to find or produce F1 that we can continue to the project.

What I am asking now that if you have any F1 population produced between

BTx623 and one of the sugar sorghum lines,
we ask you to help us to have some F1 seeds in order to finish this project. At
the end when we have the paper to publish we
are going to put your name on the paper.

So I look forward to hearing a good news from you, regards...

Selahattin Aydin

The Texas A&M University System

Material Request Form

1. Name of Your Organization 2. Check the box if your organization is a signatory of the UBMTA: <input type="checkbox"/>	6. Type of Organization (check one) <input type="checkbox"/> For Profit Organization <input type="checkbox"/> University or Non-Profit Organization <input type="checkbox"/> Government Agency <input type="checkbox"/> Other
3. Name and title of person requesting material	7. Name of contact for contractual matters
4. Email address:	8. Email address:
5. Phone number:	9. Phone number:
10. Material Requested (please identify quantities requested; attach additional pages as necessary)	
11. Material Creator (if known)	
12. Intended Use (attach additional pages as necessary)	
13. Does the intended use include the development of commercial products? <input type="checkbox"/> Yes <input type="checkbox"/> No	
14. Requested duration of MTA	17. Date Materials Needed
15. Shipping Address	18. Organization Main Address
16. Special Instructions	19. Billing Address
Questions? Please contact MTA@tamu.edu for assistance. After completing this form, please return to the Office of Technology Commercialization. Our office will contact you regarding your request.	
Via email: MTA@tamu.edu Via fax: (979) 845-1402	Via mail: Office of Technology Commercialization 3369 TAMU

From: [Bill Rooney](#)
To: [REDACTED]
Subject: RE: Sweet Stagger Analysis for Ceres
Date: Saturday, October 10, 2009 11:11:08 PM

Thanks [REDACTED]

This looks quite good. As you'll note, I only sent the means to Ceres. You should retain the original data and ability to analyze.

Regards,
bill

-----Original Message-----

From: [REDACTED]
Sent: Wednesday, October 07, 2009 4:15 PM
To: Bill Rooney
Subject: Sweet Stagger Analysis for Ceres

Dr. Rooney,

This is all the data that I have collected this year from my test. I ran everything through SAS and collected the means. There is not an entry 11 because entry 9 and entry 11 were the same so I combined the two. Let me know if I missed any information that needs to be added to the output.

Thanks,

[REDACTED]

[REDACTED]

Plant Breeding Graduate Student
Texas A&M University
College Station, TX
[REDACTED]

From: [Schuerman, Peter L.](#)
To: [Bill Rooney](#); sethmurray@neo.tamu.edu; [Mullet, John E](#); [Patricia Klein](#)
Cc: [McCutchen, Bill](#); [Avant, Bob](#); [Simpson, Shay](#)
Subject: RE: TAMU sweet sorghum study
Date: Tuesday, November 10, 2009 3:36:36 PM

Does turning the information over mean that they need us less? Does retaining it create an opportunity for collaboration?

From: Bill Rooney [<mailto:wlr@tamu.edu>]
Sent: Tuesday, November 10, 2009 2:08 PM
To: sethmurray@neo.tamu.edu; 'Mullet, John E'; 'Patricia Klein'
Cc: Schuerman, Peter L.; McCutchen, Bill; Avant, Bob; Simpson, Shay
Subject: FW: TAMU sweet sorghum study

Greetings:

Please forgive me if we discussed this previously, but I need input from the group per the request from I don't remember if we had a discussion pertaining to Cere's request for phenotype information on sweet sorghum (see below). This would affect some the data that Seth collected as well as some of our current data.

I want to be a good collaborator; at the same time we can just turn everything over for the sake of collaboration. I would welcome your input on what level we should participate and what agreements we make any transfers under. Seth, with regard to your information, I'd like to know if you are even interested in sharing that data.

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: Timothy Swaller [<mailto:tswall@ceres.net>]
Sent: Tuesday, November 10, 2009 12:17 PM
To: Bill Rooney
Cc: Jeff Gwyn; Walter Nelson; John Mullet
Subject: TAMU sweet sorghum study

Hi Bill

I am following up on a request that was made a few months back in regards to a population that was phenotyped (NIR, Brix, and height) from 125 diverse accessions and some preliminary marker associations were made (Seth?). Is it possible to get this raw phenotypic information for these 125 accessions (I believe you had mentioned it was going to be available soon)? We would like to start looking at these types of datasets to begin developing a better comprehensive understanding of these types of studies and the utility they may have for our internal and/or joint programs. Also, this will help us to better understand the benefits and weaknesses of these approaches.

Thanks

Tim

Timothy Swaller

Director, IT and Genomics

Office: 805.376.6545

tswall@ceres.net



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1535 Rancho Conejo Blvd. ~ Thousand Oaks, CA 91320 USA

www.ceres.net

From: [Seth C. Murray](#)
To: [Bill Rooney](#)
Cc: [Peter L. "Schuerman"](#); [Bill "McCutchen"](#); [Bob Avant](#); [Shay "Simpson"](#); [John E "Mullet"](#); [Patricia Klein](#)
Subject: Re: TAMU sweet sorghum study
Date: Tuesday, November 10, 2009 2:36:30 PM

I have no problem sharing the raw data of what we published summaries of (brix, height). There is additional unpublished data on composition (NIRs) and I plan to summarize that for a book chapter, but I do not plan to publish the raw data.

I will default to what others think should be done with it, it obviously has some value.

Thanks,

Seth

----- Original Message -----

From: "Bill Rooney" <wlr@tamu.edu>
To: sethmurray@neo.tamu.edu, "John E 'Mullet'" <jmullet@neo.tamu.edu>, "Patricia Klein" <pklein@tamu.edu>
Cc: "Peter L. 'Schuerman'" <PSchuerman@tamu.edu>, "Bill 'McCutchen'" <bmccutchen@tamu.edu>, "Bob Avant" <bavant@tamu.edu>, "Shay 'Simpson'" <shay-simpson@tamu.edu>
Sent: Tuesday, November 10, 2009 2:08:27 PM GMT -06:00 US/Canada Central
Subject: FW: TAMU sweet sorghum study

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Professor, Sorghum Breeding and Genetics

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College Station, Texas 77843-2474

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From: Timothy Swaller [<mailto:tswaller@ceres.net>]

Sent: Tuesday, November 10, 2009 12:17 PM

To: Bill Rooney

Cc: Jeff Gwyn; Walter Nelson; John Mullet

Subject: TAMU sweet sorghum study

Hi Bill

I am following up on a request that was made a few months back in regards to a population that was phenotyped (NIR, Brix, and height) from 125 diverse accessions and some preliminary marker associations were made (Seth?). Is it possible to get this raw phenotypic information for these 125 accessions (I believe you had mentioned it was going to be available soon)?

We would like to start looking at these types of datasets to begin developing a better comprehensive understanding of these types of studies and the utility they may have for our internal and/or joint programs. Also, this will help us to better understand the benefits and weaknesses of these approaches.

Thanks

Tim

Timothy Swaller

Director, IT and Genomics

Office: 805.376.6545

tswaller@ceres.net

cid:image001.gif@01C9A94B.1595CCF0

Ceres, Inc. ~ The Energy Crop Company

1535 Rancho Conejo Blvd. ~ Thousand Oaks, CA 91320 USA

www.ceres.net

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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/>

From: [Steve Brown](#)
To: [Stephen D Collins](#); [Rebecca Joann Corn](#); [Janie C. Hurley](#); [Bill L Rooney](#) [REDACTED]; [Karen Prihoda](#)
Cc: [David Baltensperger](#); [Bill McCutchen](#); [Peter L Schuerman](#)
Subject: Re: TAMUS 2741 - 2746 Commercialization Plan
Date: Wednesday, August 26, 2009 11:21:25 AM
Attachments: [Checklist for PRC.doc](#)
[Steve Brown2.vcf](#)

Hi Janie,

As you know, we have licensed several lines in both corn and sorghum that have not gone through our normal PRC process. I don't really have a problem with this but it may be worth noting that should these lines be in the production of a hybrid that must be certified, we may need to get these lines approved for certification.

Although we may not need what we would consider a complete release proposal, the requirements for acceptance into AOSCA certifications are quite clear.

Attached is a list of items that must be addressed should we need to enter these lines into the program. Entry into the program(s) will only be necessary if our lines are used directly as a parent (rather than making a cross with a proprietary line and using that cross as a parent)

This is just a heads up and I don't perceive it as an immediate problem. Certification of hybrids is usually only done for international shipments and not usually a consideration for domestic sales of hybrids.

Thanks,

Steve Brown
Program Director
Texas Foundation Seed Service
Email: rsbrown@ag.tamu.edu
PH: 940-552-6226
website <http://tfss.tamu.edu>
FAX: 940-552-5524

>>> "Hurley, Janie C." <JHurley@tamu.edu> 8/22/2009 11:21 PM >>>
All:

Please see the attached commercialization plan update, summarizing the status of our commercialization activities related to the sweet sorghum materials disclosed to the OTC.

If you have any questions, please do not hesitate to contact me.

Sincerely,

Janie C. Hurley, MBA
Sr. Licensing Manager

Office of Technology Commercialization

The Texas A&M University System

CONFIDENTIALITY NOTICE:

The information contained in this e-mail is intended only for the use of the individual or entity to whom it is addressed and may contain information that is privileged, confidential, and exempt from disclosure under applicable law. Any and all such rights of privilege, privacy, and non-disclosure are hereby claimed and are expressly not waived. If the reader of this message is not the intended recipient or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that you have received this message in error and that any review, dissemination, distribution, use, or copying of this message is strictly prohibited. If you have received this message in error, please notify us immediately by e-mail and delete the original message.



Texas Foundation Seed Service

Texas AgriLife Research

11914 Hwy. 70, Vernon, TX. 76384

940/552-6226 (O), 940/552-5524 (Fax)

Email rsbrown@ag.tamu.edu

Checklist for Release Proposals For submission to the Plant Review Committee

The following are items that must be included in release proposals to the PRC for proposed cultivars which ultimately will be submitted to the State Seed & Plant Board to be admitted into the certification program in Texas or other states governed by the rules of Association of Official Seed Certifying Agencies (AOSCA).

- A. Proposed Variety Name and Temporary Designation
- B. Family, kind, genus and species
- C. Origin and breeding history of the variety
- D. Objective description of the variety
- E. Evidence (data, graphs, charts, pictures, etc.) supporting identity of the variety and any statements or claims made concerning its performance characteristics (e.g. yield, insect or disease tolerance, lodging)
- F. Area of adaptation
- G. Procedure for maintaining stock seed classes and number of generations desired for multiplication of variety. If less than foundation, registered, and certified, indicate why.
- H. Description of how variety is to be constituted if a particular cycle of reproduction or multiplication is required
- I. Additional restrictions, if any, with respect to geographic area of seed production, age of stand, or other factors affecting genetic purity.
- J. Sample of seed- * NOTE-this does not have to be submitted to PRC, but must be submitted to OTC, after release, for PVP application. SS&PB also requires a sample of seed for varieties that will be submitted for certification in Texas. **SEED SAMPLE MUST BE UNTREATED.**

Will application be made to Plant Variety Protection Office? YES _____ NO _____

If yes, will the application specify that the variety is to be sold by variety name only as a class of certified seed?
YES _____ NO _____

From: [Rene Clara](#)
To: [Eheinric](#)
Cc: [Bill Rooney](#); [John Yohe](#)
Subject: Re: Technology transfer correct project
Date: Thursday, November 12, 2009 7:40:45 PM
Attachments: [Transfer project.doc](#)

Dear Dr. Short,

I'm sorry, the previous attached is incorrect, please to eliminate it, it has error of numbers. At present I enclose you the correct project.

Thanks,

René Clará V.
INTSORMIL
Host Regional Coordinator

CENTA, Apdo. Postal 885,
San Salvador, El Salvador, C.A.
Tel. (503) 2302 0239 - (503) 7815 2238 cel.
Fax: (503) 2302 0239

E-mail: [REDACTED]

De: Rene Clara [REDACTED]
Para: Eheinric <eheinric@vt.edu>
CC: Bill Rooney <wlr@tamu.edu>; John Yohe <jyohe@unlnotes.unl.edu>
Enviado: jue, noviembre 12, 2009 6:18:32 PM
Asunto: Re: Technology transfer

Dear Dr. Heinric,

Attached I send to you the first project "TRANSFERENCE OF SORGHUM IMPROVED VARIETIES TO SMALL PFARMERS IN CENTRAL AMERICA".

Please check it and if you have questions do it let me know please.

Regards,

René Clará V.
INTSORMIL
Host Regional Coordinator

CENTA, Apdo. Postal 885,
San Salvador, El Salvador, C.A.
Tel. (503) 2302 0239 - (503) 7815 2238 cel.

Fax: (503) 2302 0239

E-mail [REDACTED]

De: Eheinric <ehheinric@vt.edu>
Para: Rene Clara [REDACTED]
CC: jyohe1@unl.edu
Enviado: mié, noviembre 11, 2009 10:35:12 AM
Asunto: Re: Technology transfer

Yes, two pages is OK.....Short

At 10:27 AM 11/11/2009, Rene Clara wrote:

Thanks Dr. Heinric for your help. Any thing I communicate with you.

I think to write two pages by proposal, that seems you?

Regards,

René Clará V.

INTSORMIL

Host Regional Coordinator

CENTA, Apdo. Postal 885,
San Salvador, El Salvador, C.A.
Tel. (503) 2302 0239 - (503) 7815 2238 cel.
Fax: (503) 2302 0239

E-mail: [REDACTED]

De: Eheinric <ehheinric@vt.edu>
Para: Rene Clara [REDACTED]
CC: jyohe1@unl.edu
Enviado: mié, noviembre 11, 2009 9:56:30 AM
Asunto: Re: Technology transfer

Rene,

Go ahead and write three proposals. Send to me by Nov. 30 so I can present them

at the meeting in KC, MO Dec. 2. These can be brief and not full proposals at this time but be sure you document the potential impact of the project as indicated in points 1-9 on the attached (e.g. farm income, baker income, decrease in poverty, increase in food security etc.). Any questions, contact me.

Thanks,

Short

At 04:20 PM 11/6/2009, Rene Clara wrote:

Dr. Short,

Can we write three proposals? or must we select one of them? The three have equal importance in the region and we want the three.

When must we send the proposals?

Please send to me the attachment in word to open it.

Regards,

René Clará V.

INTSORMIL

Host Regional Coordinator

CENTA, Apdo. Postal 885,
San Salvador, El Salvador, C.A.
Tel. (503) 2302 0239 - (503) 7815 2238 cel.
Fax: (503) 2302 0239

E-mail: [REDACTED]

De: Eheinric <ehheinric@vt.edu>
Para: rene Clara [REDACTED]
Enviado: vie, noviembre 6, 2009 3:33:35 PM
Asunto: Re: Technology transfer

Yes, Spanish is OK.

Short

,

Dear Dr. Heinric,

I cannot open your attachment, please send it to me in word.

Can I send to you some proposals of technology transference in Spanish?

Some ideas of technology transference in Central América:

- 1 - We want to transfer seed of the improved varieties to the small farmers in Central America.
- 2 - We want to transfer in Central America the new varieties for silage with BMR genes, to improve the milk production.
- 3 - We want to transfer the mills Omega VI to the bakers so that they could produce his sorghum flour and mix it with that wheat flour in the making of bread, in El Salvador and Nicaragua.

Regards.

René Clará V.

INTSORMIL

Host Regional Coordinator

CENTA, Apdo. Postal 885,
San Salvador, El Salvador, C.A.
Tel. (503) 2302 0239 - (503) 7815 2238 cel.

Fax: (503) 2302 0239

E-mail:



De: Eheinric <ehinric@vt.edu>
Para: Rene Clara [REDACTED]
Vilma Ruth Calderon [REDACTED]
CC: dwlr@tamu.edu; Lloyd Rooney
<lrooney@tamu.edu>; "jyohe1@unl.edu"
<jyohe1@unl.edu>
Enviado: jue, noviembre 5, 2009 1:52:32 PM
Asunto: Technology transfer

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: ehinric@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>

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<http://downloads.yahoo.com/ieak8/?l=e1>

TITLE OF THE PROJECT:

“Transference of sorghum improved varieties to small farmers in Central America”

LEADERS:

Bill Rooney – INTSORMIL

René Clará Valencia – CENTA/INTSORMIL

Alfredo Alarcón – CENTA (Extensión)

Máximo Hernández – CENTA (Research)

PERIOD OF EXECUTION:

November 2009 a November 2011

COUNTRIES AND RESPONSIBLE INSTITUTES:

<u>INSTITUTE</u>	<u>COUNTRY</u>
CENTA	El Salvador
DICTA	Honduras
INTA	Nicaragua

TARGETS:

- To take the improved varieties of sorghum to the small producers
- To teach them to obtain your own seed for his future sowings
- To improve them the profitability of his culture.

CULTURES SYSTEMS THAT THE SMALL PRODUCERS USE:

- Intercrop Maize-Sorgo
- Sorghum in Monocrop

IMPROVED VARIETIES OF SORGHUM THAT WILL BE TRANSFERRED:

- Intercrop Maize-Sorgo: ES-790 and 85 SCP 805 varieties
- Sorghum in Monocrop: Soberano, RCV y Jocoro varieties

SMALL PRODUCERS FOR COUNTRY:

<u>COUNTRY</u>	Seed to producing	Producers to attend	Surface to attend	Production to obtaining
El Salvador	50 tm	10,000	3,500 ha	8,750 tm
Honduras	25 “	5,000	1,750 “	4,375 “
Nicaragua	50 “	10,000	3,500 “	8,750 “
TOTAL	125 tm	25,000	8,750 ha	21,875 tm

COST OF THE PROJECT FOR COUNTRY (\$US)

PAIS	CENTA		INTA		DICTA		TOTAL	
	2010	2011	2010	2011	2010	2011	2010	2011
Salary Jornals	11,000	11,000	11,000	11,000	5,000	5,000	27,000	27,000
Fuel and lubricant	5,000	5,000	5,000	5,000	2,500	2,500	12,500	12,500
Agro-chemical	4,000	4,000	4,000	4,000	2,000	2,000	10,000	10,000
Materials	3,000	3,000	3,000	3,000	1,500	1,500	7,500	7,500
Spare parts	500	500	500	500	300	300	1,300	1,300
Rents	2,000	2,000	2,000	2,000	1,000	1,000	5,000	5,000
Other expenses	500	500	500	500	300	300	1,300	1,300
TOTAL	26,000	26,000	26,000	26,000	12,600	12,600	64,600	64,600

Note: The project begins in November 2009.

PAYMENTS

CENTA (El Salvador)

PAYMENTS 2010:

1 ⁰ – Noviembre de 2009	\$	8,000.00
2 ⁰ – Marzo de 2010	“	9,000.00
3 ⁰ – Agosto 2010	“	9,000.00
Sub-total	\$	26,000.00

PAYMENTS 2011:

1 ⁰ – Enero de 2011	\$	8,000.00
2 ⁰ – Junio 2011	“	9,000.00
3 ⁰ - Octubre 2011	“	9,000.00
Sub-total	\$	26,000.00

TOTAL for El Salvador	\$ 52,000.00
------------------------------	---------------------

INTA (Nicaragua)

PAYMENTS 2010:

1 ⁰ – Noviembre de 2009	\$	8,000.00
2 ⁰ – Marzo de 2010	“	9,000.00
3 ⁰ – Agosto 2010	“	<u>9,000.00</u>
Sub-total	\$	26,000.00

PAYMENTS 2011:

1 ⁰ – Enero de 2011	\$	8,000.00
2 ⁰ – Junio 2011	“	9,000.00
3 ⁰ - Octubre 2011	“	9,000.00
Sub-total	\$	26,000.00

SUB-TOTAL for Nicaragua	\$ 52,000.00
--------------------------------	---------------------

DICTA (Honduras)

PAYMENTS 2010:

1 ⁰ – Noviembre de 2009	\$	4,200.00
2 ⁰ – Marzo de 2010	“	4,200.00
3 ⁰ – Agosto 2010	“	4,200.00
Sub-total	\$	12,600.00

PAYMENTS 2011:

2 ⁰ – Enero de 2011	\$	4,200.00
2 ⁰ – Junio 2011	“	4,200.00
3 ⁰ - Octubre 2011	“	4,200.00
Sub-total	\$	12,600.00

SUB-TOTAL for Honduras \$ **25,200.00**

TOTAL PROJECT \$ **129,200.00**

JUSTIFICATION

The sorghum cultivation in Central America occupies the third place in surface sowed inside the basic grains, after the corn and bean. Approximately 241,000 are sowed annually there is with which 45 % is sowed in intercrop with maize and 55 % in monocrop. Approximately 60 % of the sowed surface is with varieties of open pollination and 40 % with hybrids of seeds companies. Small farmers sow half of the surface and medium and big producers sow another half.

The grain production is for 500,000 tm of which, most they are used for the manufacture of concentrated food and 30 % for the familiar consumption.

The sorghum substitutes the corn in his consumption but it is more consisting of his production of grain and forage since it resists more to the dry periods that normally they affect in the region. Also the sorghum is the base of the animal feeding for the milk production meat and eggs. For all these reasons it occupies the third place in importance inside the basic grains for the food security of the population.

CRONOGRAM OF ACTIVITIES

CENTA – El Salvador and INTA - Nicaragua[illegible]

From: [Avant, Bob](#)
To: [Blair Fannin](#)
Cc: kkoza@ag.tamu.edu; bmccutchen@tamu.edu; shay-simpson@tamu.edu; ahelms@tamu.edu; [Ronald Lacey](#); s-searcy@tamu.edu; [Bill Rooney](#)
Subject: RE: Texas Farm Bureau-Tx AgriLife Research Bioenergy Article
Date: Friday, September 18, 2009 11:05:02 AM

Thanks Blair,

This is a very good article. I'm also looking forward to the SW Farm Press articles which I believe start in October.

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

From: Blair Fannin [<mailto:b-fannin@tamu.edu>]
Sent: Friday, September 18, 2009 10:06 AM
To: Avant, Bob
Cc: kkoza@ag.tamu.edu
Subject: Texas Farm Bureau-Tx AgriLife Research Bioenergy Article

Hi Bob - Just FYI... Bobby Horecka has a great writeup on the Tx AgriLife Research Bioenergy Program in the latest Texas Agriculture publication produced by Texas Farm Bureau:

<http://www.txfb.org/newsmanager/templates/TXFBTemplate.aspx?articleid=5213&zoneid=108>

Thanks,
Blair

Blair Fannin
Editor, Media Relations
Texas AgriLife Research
AgriLife Communications
979-845-2259
b-fannin@tamu.edu

From: [Hurley, Janie C.](#)
To: [Ken Davenport](#)
Cc: [Bill Rooney](#); [Nelson, Michelle](#); [Spurlin, Shayna](#); [Brummett, Robert G.](#)
Subject: RE: Thanks
Date: Wednesday, September 16, 2009 5:11:09 PM
Attachments: [Mutual NDA Chromatin and AgriLife- Sept 2009.rtf](#)

Hi Ken,

Thanks for the follow up. It was good seeing you last week.

Per our discussions, attached is a draft NDA for your review and consideration. I'll need to ensure that we get the appropriate definition for the field of discussion worked out internally, but I've proposed something to begin with here in this draft.

Thanks much,
Janie

Janie C. Hurley, MBA
Sr. Licensing Manager

Office of Technology Commercialization
The Texas A&M University System
3369 TAMU
College Station, TX 77843-3369
Ph: 979-845-6337
Fx: 979-845-1402
<http://otc.tamu.edu>

From: Ken Davenport [REDACTED]
Sent: Thursday, September 10, 2009 10:58 PM
To: wlr@tamu.edu
Cc: [REDACTED]; Daphne Preuss; Hurley, Janie C.; Greg Zinkl; Nelson, Michelle
Subject: Thanks

Bill,

I just wanted to drop you a brief note and thank you for taking the time to walk Larry and me through your nursery and then discuss opportunities for collaboration as well as possible licensing of certain sorghum germplasm. Just to recap...

Janie will forward a Mutual Non-Disclosure Agreement to our IP counsel (Greg Zinkl) and me for our review. Once reviewed and executed we will proceed with due diligence related to a possible license to Sorcane. We were certainly surprised and impressed with what we saw in the field as well as the FISH images you presented.

Larry will follow-up with Bill Lises (sp?) regarding the 6 sweet sorghum female cultivars as well as grains and forages that could be of interest to us. Once decided upon, I will circle back to OTC regarding R&D and commercial licenses.

I will come back to you regarding a possible collaboration as it pertains to sorghum compositional analysis. I am thinking that having Ed Wolfram (NREL) remain involved could be valuable to all. Might there be another group that we should consider as part of such a collaboration?

As for your visit to the University of Illinois in November, please let us know the date so we might have you visit our operations in Champaign either the day before or after your visit. The "Chicago gang" would drive down to Champaign for the day. We would be pleased to have you give a seminar and then discuss possible collaboration opportunities in detail.

While Chromatin is assessing opportunities in the bio-energy space, particularly with regard to feedstocks such as cane, sorghum, sugarbeets, etc., we still wish to remain somewhat anonymous for the time being. We do not wish to draw the attention of potential competitors at this point in time, which I am sure you can appreciate.

Again, thanks kindly for your time yesterday and we look forward to following up with you and the OTC staff.

Best regards,

Ken

Kenneth G. Davenport, Ph. D.
VP, Strategic Development
Chromatin Inc.
3440 S. Dearborn St., Suite 280
Chicago, IL 60616

+1.312.235.3619 (O)

+1.312.235.3611 (F)

+1.214.215.2984 (M)

NON-DISCLOSURE AGREEMENT
(Mutual)

THIS AGREEMENT, effective as of _____, 2009, is made by and among Texas AgriLife Research ("AGRILIFE"), member of THE TEXAS A & M UNIVERSITY SYSTEM ("TAMUS") and a agency of the State of Texas; TAMUS, through its Office of Technology Commercialization ("OTC"); and Chromatin, Inc. ("COMPANY"), an Illinois corporation, with its principal place of business located at 3440 S. Dearborn St., Suite 280, Chicago, IL 60616.

RECITALS

A. The parties to this Agreement contemplate that they may enter into one or more contracts and/or collaborative relationships involving the exchange of scientific, technical, or other information which is considered by the party owning such information to be proprietary, confidential, and of value to that party (the "Confidential Information");

B. Each party is willing to disclose its Confidential Information to the other party for the purposes of discussing collaborative efforts to promote the increase of useful knowledge, and/or carrying out the Scope of Work in or meeting the obligations of any contract by and between or among AGRILIFE and/or TAMUS, and COMPANY; and

C. The parties desire to preserve and protect their rights in their respective Confidential Information to the extent reasonable and practicable under the contracts and agreements formed between them;

NOW, THEREFORE in consideration of the foregoing Recitals and the mutual promises and conditions contained in this Agreement, the parties, and each of them, do hereby further covenant and agree as follows:

TERMS

1.0 Confidential Information.

1.1 "Confidential Information," as used in this Agreement, shall include any information that:

1.1.1 belongs to the party disclosing the information;

1.1.2 is of a scientific, technical, or specialized nature;

1.1.3 is clearly marked or identified as Confidential Information at the time of the disclosure, or if disclosed orally or visually, is identified as Confidential Information in writing to the receiving party within thirty (30) days of such oral or visual disclosure;

1.1.4 is considered proprietary by and has value to the disclosing party;

1.1.5 has generally been considered and treated by the disclosing party as confidential prior to the time of disclosure; and

1.1.6 specifically relates, but is not limited, to certain technologies and know-how in the field of new germplasm development, molecular markers, and the development of intergeneric hybrids, which includes, but is not limited to the TAMUS Disclosure of Invention No. 2642 entitled, "Development of Methodology for Commercial Production of Sorghum/Saccharum Intergeneric Hybrids for Use in Biofuel Production."

1.2 Confidential Information shall not include any information that:

1.2.1 at the time of disclosure is in the public domain (whether or not either of the parties knows that the information is in the public domain);

1.2.2 after disclosure is published or otherwise becomes part of the public domain in any manner other than by violation of this Agreement;

1.2.3 was in the possession of the receiving party at the time of disclosure and was not acquired under an obligation of confidence; or

1.2.4 is independently developed by the receiving party, as evidenced by written documentation, without making use of the Confidential Information.

2.0 Obligations of the Receiving Party.

2.1 The parties to this Agreement shall use reasonable efforts to prevent the disclosure to third parties of all Confidential Information disclosed under this Agreement except:

2.1.1 Confidential Information may be disclosed as required by law. As used in this subsection, "required by law" shall include, but not be limited to, disclosures compelled by lawful subpoena, court order, or demand, or any other lawful process; provided, however, that to the extent reasonably practicable under the circumstances, immediately upon receipt of any subpoena, order or demand, the party receiving the subpoena, order or demand shall notify the other party of the impending disclosure to afford that party an opportunity to avail itself of legal process to prevent the disclosure. In the event AGRILIFE and/or TAMUS receives a request under the Texas Public Information Act or in response to any other court or government order requiring disclosure AGRILIFE and/or TAMUS will use reasonable efforts to promptly provide notice to COMPANY. To the extent permitted by applicable law, AGRILIFE and/or TAMUS will cooperate with COMPANY to protect their company Confidential Information.

2.1.2 This section shall not be construed to require AGRILIFE, OTC, TAMUS, its governing board, or the State of Texas, nor any agent, employee or attorney in the service of any of them, to pursue any claim, defense, cause of action, or legal process or proceeding on behalf of COMPANY.

2.2 The Confidential Information may be made available only to those persons within

AGRILIFE, OTC, TAMUS, or COMPANY, as the case may be, who are necessary for collaboration or evaluation thereof, and when such information is disclosed or transmitted, the party to whom the information is disclosed or transmitted will inform each employee or agent who receives such information of the confidential nature of such information and of these conditions.

2.3 Within fifteen (15) days following written notice from the disclosing party, the receiving party shall return to the disclosing party all documentation, copies, notes, diagrams, computer memory media and other materials containing any portion of the disclosing party's Confidential Information, or shall confirm in writing to the disclosing party that the Confidential Information has been destroyed. However, the Receiving Party shall be entitled to retain one copy of the Confidential Information for legal archive purposes.

3.0 Effect of Agreement.

This Agreement and the disclosure of Confidential Information pursuant to this Agreement shall in no way be considered as a license under any patents or patent applications. Confidential Information, including any documents, drawings, sketches, designs, materials or samples supplied under this Agreement, shall remain the property of the party disclosing or supplying the Confidential Information and no rights are granted to the other party in the same, whether patented or not, except the limited right to use the Confidential Information as set forth above.

4.0 Non-Use of Names.

Each party agrees not to include the name of the other parties in any advertising, sales promotion, or other publicity matter without prior written approval from the other parties.

5.0 Execution in Counterpart.

This Agreement may be executed by each of the Parties in separate counterparts; each counterpart when so executed shall be deemed an original. Facsimile or photocopy signatures are deemed as legally enforceable as the original. When executed by all the Parties, such counterparts shall, together, constitute and be one and the same Agreement.

6.0 Waiver.

No delay or failure to enforce any provision of this Agreement shall constitute a waiver or limitation of rights enforceable under this Agreement.

7.0 Term.

The term of this Agreement shall be three (3) years from the date stated above unless sooner terminated as provided herein or extended by written agreement of the parties. Any Confidential Information disclosed during the term of this Agreement (including any extensions hereof) shall be subject to this Agreement for a period five (5) years following the end of the

term of this Agreement irrespective of any termination of this Agreement.

8.0 Termination.

Either party may terminate this Agreement by giving sixty (60) days' written notice to the other party in accordance with the notice provisions of this Agreement. Termination of this Agreement for any reason shall not relieve a party from its obligations incurred prior to the termination date.

9.0 Default.

A party will be considered in default of its obligations under this Agreement if such party shall fail to observe, to comply with, or to perform any term, condition, or covenant contained in this Agreement and such failure continues for ten (10) days after the non-defaulting party gives the defaulting party written notice thereof. In the event of default, the non-defaulting party, upon written notice to the defaulting party, may terminate this Agreement as of the date specified in the notice, and/or may seek such other and further relief as may be provided by law, including injunction or restraining order as required to prevent unauthorized disclosures of Confidential Information.

10.0 Notices.

All notices and other correspondence related to this Agreement shall be in writing and shall be delivered by certified mail, return receipt, or by facsimile transmission if a fax number is shown below and notice of receipt is provided, addressed as follows:

If to AGRILIFE :

Texas AgriLife Research
2147 TAMU
College Station, Texas 77843-2147
Attn: Bill McCutchen
Tel: 979-845-7980
Fax : 979-458-4765
Email: bmmcutchen@tamu.edu

If to TAMUS:

Office of Technology Commercialization
The Texas A&M University System
Attn: Peter Schuerman
800 Raymond Stotzer Parkway
College Station, Texas 77845
Tel : 979-847-8682
Fax : 979-845-1402
Email: pschuerman@tamu.edu

If to COMPANY:

Chromatin, Inc.
3440 S. Dearborn St., Suite 280
Chicago, IL 60616
Attn : Kenneth G. Davenport, Ph.D.
Tel: 312-235-3619
Fax: 312-235-3611
Email: [REDACTED]

11.0 Legal Authority.

Each party to this Agreement represents that it possesses the legal authority to enter into this Agreement and that it has taken all actions required by its procedures, bylaws, and/or applicable law to exercise that authority, and to lawfully authorize its undersigned signatory to execute this Agreement and to bind company to its terms. The person executing this Agreement on behalf of a party warrants that such person has full authorization to execute this Agreement.

12.0 No Warranties.

None of the parties makes any representations or warranties, written or oral, express or implied, as to Confidential Information, including without limitation, any warranty of merchantability or of fitness for a particular purpose.

13.0 Exports.

The receiving party may not export, directly or indirectly, any technical data acquired from the disclosing party or any product utilizing any such data to any country for which the U.S. Government at the time of export requires an export license or other governmental approval, without first obtaining that license or approval.

14.0 Entire Agreement.

This Agreement constitutes the entire agreement between the parties, and supersedes any previous contracts, understandings, or agreements of the parties, whether verbal or written, concerning the subject matter of this Agreement.

15.0 Amendment.

No amendment to this Agreement shall be valid unless it is made in a writing signed by the authorized representatives of the parties.

16.0 Severability.

In the event that any provision of this Agreement is held unenforceable for any reason, the remaining provisions of this Agreement shall remain in full force and effect.

17.0 Governing Law and Venue.

This Agreement shall be governed by and construed under the laws of the State of Texas. Venue for any claim arising under this Agreement shall be as provided by Texas law.

18.0 Immunities and Privileges.

AGRILIFE and TAMUS are agencies of the State of Texas and nothing in this Agreement waives or relinquishes AGRILIFE or TAMUS's right to claim any exemptions, privileges, and immunities as may be provided by law.

19.0 Assignment.

Neither party may sell, assign or otherwise transfer its rights or obligations under this Agreement.

20.0 Additional Parties.

With the consent of COMPANY, one or more other members of TAMUS may participate in the collaborative relationships and efforts involving the technologies described in this Agreement. In the event of such participation, the member or members, COMPANY shall execute an addendum to this Agreement incorporating the terms and conditions of this Agreement.

IN WITNESS WHEREOF, the parties have executed this Agreement effective the day and year written above.

Texas AgriLife Research

By: _____
Name: Bill McCutchen
Title: Associate Director

Date: _____

**The Texas A&M University System
Office of Technology Commercialization**

By: _____
Name: Peter S. Schuerman
Title: Director, Licensing & IP

Date: _____

COMPANY

By: _____
Name: _____
Title: _____

Date: _____

From: [Bill Rooney](#)
To: ["Bennett, Jerry M"](#)
Subject: RE: Tillman evaluation packet
Date: Wednesday, August 19, 2009 7:25:00 PM
Attachments: [08-19-09 Bennett UFLA.pdf](#)

Jerry:

Please find attached my evaluation of Dr. Tillman's P and T package. If you have any questions, please let me know.

I will assume an electronic version is acceptable; if you need a mailed version please let me know.

With regard to sweet sorghum in Florida, there are a lot of optimists and a few realists. And it doesn't take very long to sort the ones that have a chance from those that don't. And don't even get me started on the yields they use to justify their investment opportunities.

But anyway, best 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

-----Original Message-----

From: Bennett, Jerry M [mailto:jmbt@ufl.edu]
Sent: Friday, August 14, 2009 6:47 AM
To: Bill Rooney
Subject: RE: Tillman evaluation packet

Bill,

Thanks for letting me know and that will be fine. We have a little time built into the deadline I gave, so if you can return a letter of evaluation by the end of next week that will be just fine.

I hope things at TAMU are going well. There is surely a lot of interest in sweet sorghum here in FL, with some big plans for large acreages on the horizon. I'm a bit pessimistic as to how those plans will turn out on our very sandy soils, with the needs for N and water, and the insect/disease pressures we face in this humid environment. I am afraid folks haven't thought through the limitations very well. And, some of the yields they throw around are well beyond reason. It will be interesting to see.

Take care and, again, thank you for your help with the letter of evaluation.

Jerry M. Bennett
Chair and Professor
Agromony Dept., University of Florida

Box 110500, Gainesville, FL 32611-0500
Phone: 352-392-1811, x201; fax 352-392-1840
Email: JMBT@ufl.edu

From: Bill Rooney [mailto:wlr@tamu.edu]
Sent: Thursday, August 13, 2009 8:24 PM
To: Bennett, Jerry M
Subject: Tillman evaluation packet

Jerry:

I apologize for not having an evaluation letter back to you on Dr. Tillman's P and T package, but evidently it got misplaced in our campus mail until this Monday. I'll be reviewing the packet this week and I hope to have a letter to you later this week.

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

August 19, 2009

Drs. Jerry Bennett
Chair, Agronomy Department
Institute of Food and Agricultural Sciences
University of Florida
304 Newell Hall
PO Box 110500
Gainesville, Florida 32611-0500

Dr. Nicholas Comerford
Director, North Florida Research and Education Center
University of Florida

Dear Drs. Bennett and Comerford:

I have reviewed the promotion and tenure packet of Dr. Barry Tillman and I am happy to provide you with a written evaluation of the packet. I realize the tenure and promotion process is critical to the success of academic departments and I hope that this review is of value to your committee and its activities.

Dr. Tillman has been on faculty at the University of Florida since 2004 as an Assistant Professor of Peanut Breeding. Prior to this position, Dr. Tillman was a rice breeder for RiceTec and completed a brief stint in rice research at the Texas Agricultural Experiment Station in Beaumont, Texas. In his current position, his appointment is budgeted at 75% research, 20% extension and 5% teaching. I will divide my comments based on performance in each section.

Dr. Tillman's teaching efforts are primarily focused on graduate training of students in plant breeding and genetics. Given that his research station is at least three hours drive from the main campus, this is a logical approach to a teaching appointment. In the past five years, has served as chair for two Ph.D. and two M.S. students; he is currently serving as chair another M.S. student who is scheduled to graduate in 2010. In addition he has served or is serving on the committee of 4 Ph.D. and 1 M.S. student. Based on our expectations for teaching at Texas A&M University, it is my opinion that Dr. Tillman is meeting and possibly exceeding the expectations for a 5% teaching appointment.

With regard to research, Dr. Tillman directs an applied peanut improvement program that has had a long and established history. In this situation, it is imperative that the faculty maintain the productivity of the program while at the same time directing research in new and innovative ways. Based on the number of cultivar releases, it is apparent that he has been very effective at capitalizing on the benefits of an existing program; the released cultivars appear to have been well received by the peanut producers in the regions and they are impacting the Southeastern peanut production. In addition, Dr. Tillman has registered these releases so that he is recognized for their academic impact as well. As for directing the program in new and innovative ways, I particularly like the use of NIR technology to predict chemical composition of peanuts. While it remains too early to truly measure

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Department of Soil & Crop Sciences
2474 TAMU
Texas A&M University
College Station, TX 77843-2474

Tel. 979.845.2151
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wlr@tamu.edu

Page 2 (cont.)

the impact that this technology may have on peanut breeding, it is innovative and a logical research program for an applied plant breeding program in the public sector. In addition, there appears to be a significant research effort into the genetics of resistance to several diseases and pests of peanut. While it is not clear that there are innovative approaches in this effort, the work is certainly justifiable and important to all peanut improvement programs. It appears that he has established collaborative efforts with other peanut improvement programs which are important to the long term functionality of his own program.

With regard to publication and grant activities, Dr. Tillman appears to have established a solid base of support and documented evidence pertaining to the ability to complete and publish research. He has listed 18 refereed publications over his career; twelve of those publications are directly related to his current position. While not all these publications are in high impact journals, it appears that given the development of the program, additional publications will be presented in higher impact journals. With regard to grant funding, Dr. Tillman has established a good reputation with the National and Florida peanut boards; if he hadn't they would not continue to fund his program at a consistent level. In addition, Dr. Tillman was recently awarded a USAID CRSP project for international work in peanut. This competitive grant clearly shows development and an extension of the program beyond the traditional funding sources; it will also greatly enhance his program. In my experience this grant record mirrors that of many successful plant breeders in the public sector and it will serve as a springboard for additional opportunities in the future.

The extension activities of Dr. Tillman are focused on alerting producers, processors and crop advisors on the process and need for continual crop improvement efforts. To that end, he has developed an extension program that has been presented in the Southeast over the past five years. In addition, there have been on farm trials and demonstrations. I have little background in extension and evaluation of its metrics, thus it is difficult for me to evaluate the impact or even relative importance of an extension appointment for an individual who is hired primarily as a crop breeder.

In summary, Dr. Tillman has developed a well-respected peanut breeding program with an active and relevant research component. In addition, he exceeding expectations relative to the size of his teaching appointment and he is involved in extension activities that support his research and teaching responsibilities and efforts. His program is well funded and he is publishing the results of his research. If this package was presented to the tenured faculty of the Department of Soil and Crop Science at Texas A&M University, I expect that it would be viewed quite favorably and I would expect Dr. Tillman to be recommended for promotion and tenure.

Regards,

A handwritten signature in black ink, appearing to read 'B. Rooney', with a stylized flourish at the end.

William L. Rooney
Professor
Sorghum Breeder and Geneticist
Chair, Plant Release Committee

From: [Ken Davenport](#)
To: wlr@tamu.edu
Subject: Re: tomorrow
Date: Thursday, November 12, 2009 10:05:12 PM

Bill, we will meet you at your hotel at 7:30 a.m. I believe we can have breakfast at the hotel. Larry and Steve Rounsley will join us. We will then head for the Chromatin office for a 9:00 a.m. start. My cell is 214.215.2984. Best regards, Ken

From: Bill Rooney <wlr@tamu.edu>
To: Ken Davenport
Sent: Thu Nov 12 21:36:12 2009
Subject: tomorrow

Ken:

I assume we are still on for tomorrow. I'm at the Hilton Garden Inn. You can call me tomorrow morning. I don't remember when we were scheduled to start, but I'll be ready anytime after 7 am.
Cell

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: ["Bridges, Brenda"](#)
Subject: RE: two versions of sorghum onepager
Date: Tuesday, September 08, 2009 6:37:00 AM
Attachments: [Sorghum_Superhealthfood1.pdf](#)

This version has the same description and is a little more open.

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

-----Original Message-----

From: Bridges, Brenda [mailto:bridges@tamu.edu]
Sent: Monday, September 07, 2009 3:33 PM
To: Lloyd Rooney; Bill Rooney; Turner, Nancy; Helms, Adam; Avant, Bob
Subject: two versions of sorghum onepager

Attached are two versions of the sorghum onepager. The only differences between the two are in the first and last paragraphs. Which do you prefer?

Brenda Bridges
Program Associate
Texas AgriLife Research Corporate Relations
College Station TX 77843-2583
O: (979)862-7136
C: (979)324-7823
Fax (979)458-2155
<http://agbioenergy.tamu.edu>

Go green! Please consider the environment before printing this.

Sorghum Functionality as a Superhealthfood

Over the past fifty years, Texas AgriLife Research has been a world leader in sorghum development. Our scientists include internationally recognized sorghum specialists and innovators who are developing sorghum hybrids that provide high levels of different active components that can be protected as a plant variety. After many decades of work developing these hybrids, our scientists are now characterizing the multiple health benefits to be derived from consuming these grains, as outlined below.

Inflammation and Cancer

- High levels of flavanones and flavones are found in sorghums, which make them an excellent source of rare anti-inflammatory compounds.
- Sorghum can be processed to concentrate the phenols effectively by abrasive milling procedures like those used in rice polishing. This results in a four- to five-fold increase in tannins and antioxidants, depending on the sorghum variety.
- The condensed tannins provide anticancer activities, particularly for colon cancer but also for breast cancer, as measured by in vivo and in vitro tests around the world.
- Black sorghums, the only known common source of *unique* 3-deoxyanthocyanins, induce strong chemoprotective and anti-inflammatory responses in human cell lines.

Gluten Intolerance

- Sorghum is a popular food choice among those with celiac disease, as an inexpensive healthy ingredient for a wide variety of foods enjoyed by gluten-intolerant people. Flavors vary from bland (white sorghums) to strong whole-grain (pigmented sorghums).
- Sorghum flour and bran provide fiber and protein to bread/cake mixes used by celiacs and produce a bread product superior to traditional 100% tuber-based starch mixes.

Food Production

- Sorghum can be produced easily, stored, and processed into a wide array of extracts and milled fractions to enhance antioxidants in food systems ranging from granola bars to extruded ready-to-eat-breakfast-cereals to snacks, making them superhealthfoods.
- Obese and overweight subjects may benefit from the ability of unique sorghums to influence carbohydrate and protein digestion.

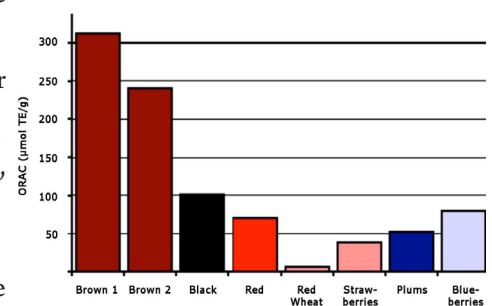
The Texas AgriLife Research sorghum program has produced hybrid sorghums and led the way for release of numerous sorghum nationally and internationally. Incorporating exotic genes into sorghum has provided a varied array of special health sorghums for use in foods, feeds, and phytochemicals.

Sorghum bran, its extracts, and isolated compounds will be used to develop tasty foods that provide protection against colon cancer. Tannin sorghums will be incorporated into appropriate food systems to test the hypothesis that they reduce obesity and diabetes.

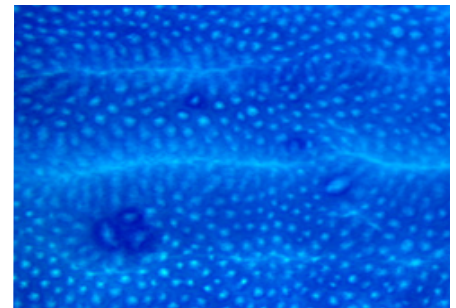
AgriLife Research investigators are positioned to work in collaboration with industry supporters to develop additional relevant data necessary to continue our efforts in the development of food or supplements with possible health benefits.



Different kinds of sorghum



Antioxidant levels in sorghum and wheat bran compared to fruits



Aberrant crypt foci in the colon



Gluten-free sorghum bread

For more information, contact

Bob Avant, Corporate Relations Director, Texas AgriLife Research
Ph: 979.845.2908 | E-mail: bavant@tamu.edu

<http://AgriLifeResearch.tamu.edu>

From: [John Mullet](#)
To: [McCutchen, Bill](#)
Cc: [Bill Rooney](#); [Bob Avant](#); [Stelly, David Stelly](#); [Steve Searcy](#); [James Richardson](#)
Subject: Re: Updated: Block for DARPA Director
Date: Thursday, September 17, 2009 7:30:10 AM

Bill,

Here is the plan:

Bill Rooney, Steve Searcy, David Stelly and I met at the Borlaug greenhouses yesterday and worked out a presentation plan. If you can bring Dr. Dugan to the Borlaug greenhouse, to the main room with the large steel tables, we will take it from there.

Bill Rooney is going to cut some large energy sorghum's from the field and lay them out on the tables, along with the early flowering parental lines and wide hybrid materials.

From: [McCutchen, Bill](#)
To: [Mullet, John E.](#)
Cc: [wlr@tamu.edu](#); [Avant, Bob](#); [stelly@tamu.edu](#); [s-searcy@tamu.edu](#); [jwrichardson@tamu.edu](#)
Subject: Re: Updated: Block for DARPA Director
Date: Thursday, September 17, 2009 7:37:50 AM

Thanks. I would also have some key pictures handy - like the pollen tubule pic.

Bob and I will get her to the room.

Bill

From: [Vilma Ruth Calderon](#)
To: [Bill Rooney](#); [Joan Frederick](#); dsulliva@unlnotes.unl.edu
Subject: Re: Vilma Calderon
Date: Wednesday, November 11, 2009 1:11:13 PM
Attachments: [image002.png](#)
[image003.png](#)

Dear Joan and Dr Rooney

Thats correct. I prefer to receive payment directly from INTSORMIL the same way Ing. Rene Clara gets paid, otherwise CENTA wont add that money to my salary, they will use it for other things.

i will provide the wire transfer information. I think Joan also have this information on file because she used it for PCCMCA arrangements.

Thanks

Vilma Ruth Calderon

From: Bill Rooney <wlr@tamu.edu>
To: Joan Frederick <jfrederi@unlnotes.unl.edu>
Cc: John Yohe <jyohe@unlnotes.unl.edu>; Vilma Ruth Calderon [REDACTED] Diane Sullivan <dsulliva@unlnotes.unl.edu>
Sent: Wed, November 11, 2009 11:13:38 AM
Subject: RE: Vilma Calderon

Joan:

Here are my recommendations, pending approval from Vilma as well.

1. We should pay her directly, as we do for Rene's services.
2. It should not go through CENTA, I suspect it would not get added to Vilma's salary.
3. She will have to provide the wire transfer information.

Vilma, please correct anything that is wrong.

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: Joan Frederick [<mailto:jfrederi@unlnotes.unl.edu>]
Sent: Wednesday, November 11, 2009 9:31 AM
To: Bill Rooney
Cc: 'John Yohe'; 'Vilma Ruth Calderon'; Diane Sullivan

Subject: Re: Vilma Calderon

Bill Rooney,

Refresh my memory.....1) do we want to pay her directly like we do for Rene? or 2) does it have to go through the regional program (CENTA) and they add it on to her current salary. Our fiscal year started October 1, 2009.

If 1) we just need her to fill out the wire transfer form and we would send directly to her account - probably 3-4 months at a time, like we handle Rene's.
(See attached file: Bank Wire Form.doc)

if 2) we can send the funds to CENTA under our MOU, for a one year period, and ask them to facilitate payment directly to her with her regular salary.

Will wait to hear back from you.

=====
Joan Frederick
INTSORMIL
University of Nebraska
114 BCH
Lincoln NE 68583-0748
402-472-7058
jfrederick1@unl.edu

▼ "Bill Rooney" ---11/10/2009 03:48:06 PM---Joan and John:

From: "Bill Rooney" <wlr@tamu.edu>
To: "Joan Frederick" <jfrederi@unlnotes.unl.edu>, "John Yohe" <jyohe@unlnotes.unl.edu>
Cc: "Vilma Ruth Calderon" [REDACTED]
Date: 11/10/2009 03:48 PM
Subject: Vilma Calderon

Joan and John:

As we discussed, I need to make arrangements to supplement the salary of Vilma Ruth Calderon of CENTA. We had agreed upon \$600/month payment from the Central American regional funds effective at that beginning of the new fiscal year.

I wanted to follow up and see if there is anything else I need to do and to provide Vilma with some idea of how we will actually make payments.

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: ["Carlos Ludlow"](#)
Subject: RE: VISIT
Date: Thursday, September 10, 2009 6:35:00 AM
Attachments: [09.24 Mexico FlightReservation.pdf](#)

Carlos:

I have reservations to fly to Leon on Thursday afternoon and return to Houston on Saturday morning. Please see attached file for the details.

I assume that you will arrange transportation and lodging as appropriate for my stay.

I look forward to meeting and visiting with you.

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

-----Original Message-----

From: Carlos Ludlow [REDACTED]
Sent: Tuesday, September 08, 2009 7:30 PM
To: 'Bill Rooney'
Cc: 'Jesus Campos'; Sergio Serna Saldivar; 'Roberto Macias'
Subject: RV: VISIT

Dear Bill,

Please advise the flights options, so we can prepare the visit to the sweet sorghum trial areas.

Saludos

=====

Carlos Ludlow
Coordinador General
BIOENERGIA AGROINDUSTRIAL
044 55 5451 6964
[REDACTED]

De: Carlos Ludlow [REDACTED]
Enviado el: viernes, 04 de septiembre de 2009 05:45 p.m.
Para: 'Bill Rooney'
Asunto: RE: VISIT

Perfect.

Advise flights schedules.

Saludos

=====

Carlos Ludlow
Coordinador General
BIOENERGIA AGROINDUSTRIAL
044 55 5451 6964
[REDACTED]

From: [Bill Rooney](#)
To: ["Selahattin Aydin"](#)
Subject: RE: Visit from Namik Kemal University, Turkey
Date: Thursday, October 08, 2009 4:04:01 AM

Selahattin:

I will not be in College Station during that time and thus I cannot meet with the group.

I assume that they are meeting with others on campus.

Regards,

Bill

From: Selahattin Aydin [REDACTED]
Sent: Wednesday, October 07, 2009 1:40 PM
To: cwsmith@tam.u.edu; Bill Rooney
Subject: Visit from Namik Kemal University, Turkey

Dear Dr. Smith and Dr. Rooney,

I hope you are doing well, and having good time with your loving ones.

The reason I am writing this e-mail is that one group (President of Namik Kemal Uni., Dean of Engineering Faculty, and one assistant prof from Biology Dept) is going to visit TAMU, and Texas Tech in October, 2009.

I kindly would like to ask you a convenient time for meeting with this group.
If you have an available time on Oct. 27th, 2009 or Oct. 30th, 2009, please let me know.

Prof. Dr. Nizameddin Senkoylu President of Namik Kemal Uni.
Prof Dr. Oguzhan Cicekoglu Dean of Engineering Faculty of Namik Kemal Uni.
Asst. Prof Dr.Ozden Cobanoglu Faculty of Biology Dept.

I look forward to hearing from you. If you have any question, please let me know, best regards...

Selahattin Aydin

From: [Nilesh Dighe](#)
To: [Ed Wolfrum](#)
Cc: [Bill Rooney](#)
Subject: Re: Visit to NREL
Date: Friday, October 09, 2009 5:01:48 PM

Ed-

Would the week of 2nd Nov (Nov 2-6) good for me to visit your lab. I remember last time, because of my foreign nationality, we had to get a clearance for me to work in your lab. Do you think we have to go through that process again? If yes, then please let me know what all things do you need from me to facilitate the process?

Regarding the liquid samples: Each sample is approx. 12-15 ml. The samples are stored in 15 ml plastic tubes. Could you let us know how clean the samples need to be? Though most of our samples are fairly clean, some of them might have small amounts debris including leaf tissue or seed. Would that be a problem?

Regarding predictions: Do you have the new model built? We like to get predictions on 220 samples so that we can use composition data as one of the criterion in making selection decisions. If you have the new model, would it be possible for you to give us the predictions if I send you their spectra?

Thanks,
Nilesh

----- Original Message -----

From: "Ed Wolfrum" <Ed.Wolfrum@nrel.gov>
To: "Nilesh Dighe" <nileshdighe@neo.tamu.edu>
Sent: Friday, October 9, 2009 9:30:24 AM GMT -06:00 US/Canada Central
Subject: RE: Visit to NREL

Nilesh,

We get the FOSS XDS installed next week. As far as November dates go, we are pretty open. The last week in October (10/26) as well.

I think 250 samples would take at 3-4 days, if everything goes well. How much of each sample do you have?

Ed

-----Original Message-----

From: Nilesh Dighe [<mailto:nileshdighe@neo.tamu.edu>]
Sent: Wednesday, October 07, 2009 6:48 AM
To: Wolfrum, Ed
Cc: Bill Rooney
Subject: Visit to NREL

Ed-

Dr. Rooney mentioned me that he had a discussion with you about me coming over to NREL in November, 2009 to scan some liquid samples on your new FOSS instrument. Would it still be possible for me to come in November? If so, could you please let me know the available dates that I can use the instrument. I like to scan around 250 samples, so please take into account the number of days needed

to process these many samples, when assigning the potential dates.

I would appreciate if you could let me know the available dates at your earliest.

Thanks.

Best Regards,
Nilesh

From: [Bill Rooney](#)
To: ["Kathy Ferguson"](#)
Subject: RE: Visiting Student - Jacki Langlois
Date: Thursday, October 08, 2009 4:29:41 PM

Kathy:

I'll be out on Friday. Bill

From: Kathy Ferguson [mailto:KFerguson@ag.tamu.edu]
Sent: Thursday, October 08, 2009 8:17 AM
To: Amir M Ibrahim; Don Vietor; Juerg Blumenthal; Joe Cothren; Steve Hague; Dirk Hays; Seth C. Murray; Hong Bin Zhang; Harry Cralle; James L Heilman; Kevin McInnes; Keerti Rathore; Russell Jessup; Scott Finlayson; Dave Stelly; Bill L Rooney
Cc: David Baltensperger; C. Wayne Smith; Travis Miller
Subject: Fwd: Visiting Student - Jacki Langlois

We realize the week thus far has been rather hectic with the Memorial to Dr. Borlaug, Dr. Swaminathan's visit to the department as well as our visitors from Mexico... So we wanted to remind you of Jacki Langlois visit tomorrow. I have heard from several of you either to select a time or to let us know you would not be in the office on Friday (see itinerary below with respondents).

If you haven't contacted us, please review the itinerary below and let me know what time you would like to meet with Jacki and where, as you can see we have a number of open times available. Please do so by **noon today** so that we can finalize her itinerary.

Thank you!
Kathy

>>> Kathy Ferguson 10/6/2009 3:28 PM >>>

Jacki Langlois will be visiting our campus on Friday, October 9th at 9:00 am. She is a graduate student at Oklahoma State and will be graduating in May 2010. She is interested in our Plant Breeding and Agronomy programs. We would like to have her tour the department and visit with faculty, for about 30 minutes each. We appreciate your willingness to visit with Jacki on such short notice.

Here is our tentative schedule, please let me know your first and second choice of a time and where you want to meet with her (i.e. your office or your lab or elsewhere) Heep 437 will be available if needed, please let me know if you want to use that room.

October 9th

9:00 am - **Wayne Smith - Heep 217**

9:30 am

10:00 am - **Hongbin Zhang - Heep 427A**

10:30 am

11:00 am - **Steve Hague - Heep 217 Conference room**

11:30 am

12:00 pm - **PLBR / Genetics Circle Lunch**

1:00 pm

1:30 pm

2:00 pm

2:30 pm

3:00 pm

3:30 pm - **Scott Finlayson - Heep 220B**

4:00 pm - **wrap up - Wayne Smith - Heep 217**

We sure appreciate your speedy response! Thanks!
Kathy

Make it a GREAT day!

Kathy Ferguson

Senior Office Associate

Soil & Crop Sciences | Instruction Programs

MEPS | Instruction Programs

Texas A&M University

TAMU 2474

Heep Center, Rm 217

Phone: 979-845-4620 | MEPS: 979-845-0532 | Fax: 979-458-0533

"Learning is ever in the freshness of its youth, even for the old." Aeschylus

From: [Glenda Kurten](#)
To: [Bill L Rooney](#)
Cc: [Karen L Prihoda](#)
Subject: RE: Your student's financial for Fall
Date: Monday, August 31, 2009 6:08:49 PM
Attachments: [Rooney Grad STudents.xlsx](#)

What you gave me was to bill your accounts for summer tuition paid on your behalf.

Below is for fall:

I have attached a spreadsheet with info from how everything was paid for the summer. Please see if everything is the same. The things that I need to know now are:

Account for their stipend:

In the past you have paid all tuition and fees for Dustin, Matt, Payne, Terry, Leo and Dan. Some of their tuition has been paid by OGS dependent on the account that their stipend was paid from. Rebecca's tuition was paid from OGS and fees from Quinby.

The students whose stipends are paid on state accounts qualify for OGS to pay their tuition, but I need to enter it in a different manner, that is why I need that information right away.

Karen, if you can help me with the stipend accounts, I would appreciate it.

thanks,
Glenda

Glenda Kurten
Business Coordinator II - Instruction
Soil and Crop Sciences &
MEPS Program
979/845-3342
Fax: 979/458-0533
E-mail g-kurten@tamu.edu

>>> "Bill Rooney" <wlr@tamu.edu> 8/30/2009 2:27 PM >>>
Glenda:

I thought we did that a couple of weeks ago.

If not, what were we doing? Was that for summer? If so, why was that in August?

I'm going to be out of town for the this week, so it will be impossible for me to do this in person.

What I would tell you is that most will return to the funding sources of the spring (or the source that I thought I was paying them for the fall, before we moved them).

If you can come up with that list, I can tweak it with help from Karen tomorrow.

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

-----Original Message-----

From: Glenda Kurten [<mailto:g-kurten@tamu.edu>]
Sent: Sunday, August 30, 2009 12:23 PM
To: Bill L Rooney
Cc: C Wayne Smith
Subject: Your student's financial for Fall

Dr. Rooney,

I have not entered any tuition and/or fees for your student because you have not gotten with me about how they will be paid and whether or not they are still to be on an assistantship.

As soon as I hear from I will enter their information. It is getting very late and they may have to pay and be reimbursed.

Thanks,
Glenda

Student		Stipend Account	Rooney account
BORDEN, DUSTIN	Emp		
[REDACTED]	GAR		
[REDACTED]	GAR	RFP Sun Grant	
[REDACTED]	GAR	COALS/Dept	
[REDACTED]	GAR	DOE Univ of FI	
[REDACTED]	GAR	Chevron	
[REDACTED]	GAR	Conacyt	
GUTIERREZ, MIGUEL	self		
[REDACTED]	SELF		

tuition

Rooney

OGS

Rooney

OGS

Rooney

Rooney

OGS

fees

Rooney

Rooney

Rooney

Rooney

Rooney

Rooney

Rooney

From: [Bill Rooney](#)
To: ["Glenda Kurten"](#)
Cc: ["Karen L Prihoda"](#)
Subject: RE: Your student's financial for Fall
Date: Monday, August 31, 2009 6:43:00 PM
Attachments: [Fall 09 Rooney Grad STudents Payment.xlsx](#)

Glenda:

Here is a list of the sources to pay T and F for each student. I don't have the account numbers, but Karen should be able to help you with that information. If you have questions, please give me a call tomorrow and I can clarify for you.

Regards,

Bill

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Chair, Plant Release Committee
Texas A&M University
College Station, Texas 77843-2474
979 845 2151

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Thanks,
Glenda

Student

BORDEN, DUSTIN

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

GUTIERREZ, MIGUEL

[REDACTED]

Emp

GAR

GAR

GAR

GAR

GAR

GAR

self

SELF

Stipend Account

RFP Sun Grant

COALS/Dept

DOE Univ of FI

Chevron

Conacyt

Rooney account

USE CERES FUNDS

USE BIOENERGY FUNDS*

HE IS A GTA (dep fund)

still paid by dept?

DOE UFL FUNDS

USE CHEVRON FUNDS

DOE RFP FUNDS

tuition

Rooney

OGS

Rooney

OGS

Rooney

Rooney

OGS

fees

Rooney

Rooney

Rooney

Rooney

Rooney

Rooney

Rooney