

Report
Peanut Genome Project
Executive Committee Teleconference
5/12/11

PARTICIPANTS

Corley Holbrook
Baozhu Guo
Scott Jackson
Brian Scheffler

Lutz Froenicke
Victor Nwosu
Richard Michelmore
Peggy Ozias-Akins

Howard Valentine
Richard F. Wilson

Valentine convened the teleconference. Minutes of the 4/28/11 EC teleconference were approved with corrections.

Discussion Items:

Breakout Sessions at AAGB-2011

AAGB-2011 provides a venue to revisit research goals, priorities, and expectations for the next 5-year IPGI Strategic Plan. The scope of the new plan will: 1) strive for a better understanding of the peanut genome structure, 2) develop useful genomic tools and technologies that help solve major problems, and 3) direct the application of technology toward enhanced crop productivity, increased crop protection, and improved product quality/safety. The new plan will feature five research areas. These areas are the featured topics of plenary sessions at AAGB-2011. Plenary session talks should help generate discussion in facilitated breakout sessions on the same topic. In the breakout sessions, facilitators will help capture stakeholder input for developing each section of the new plan. **Wilson will draft and distribute guidance for the EC and breakout session facilitators.** Components of the Peanut Genome Project will be presented as performance measures (objectives) for the *Genome Sequence & Structural Characterization* section of the new plan. Additional input for the PGP is welcome, as are nominations for new contributing members of the PGC.

Executive pre-meeting at AAGB-2011

The subject meeting is scheduled for 2 PM BRT on Sunday June 12 at the Sonesta Hotel. The room setup for 22 people should accommodate the attending EC members plus prospective members. Nominations for EC membership were made for Tom Stalker, Soraya Bertioli, Xu Xun (BGI Shenzhen), Xingjun Wang (Shandong Academy of Ag. Sci), and two ex officio members: David Hoisington (ICRISAT) and Roy Scott (USDA, ARS, ONP). The Scott nomination was presented after the teleconference. Stalker accepted. **Wilson will contact Bertioli and Hoisington. Wilson and Guo will correspond with Xu and Wang. Wilson will distribute a tentative agenda for the pre-meeting.**

Policies & Procedures manual

P&P v 3.0 was approved with amendments. The revision (v 4.0) will be posted on the *PeanutBioscience* website. **Nominations are open (send to Wilson and/or Valentine) for EC chairperson, vice chairperson and secretary.** The election will be held during the pre-meeting at AAGB-2011, and determined by a simple majority of EC members. **The Peanut Foundation will appoint an Administrative Officer. Wilson will distribute the P&P to Varshney, Bertioli, Stalker, Hoisington and Scott. Shapiro should present the P&P to Xu and others at BGI. Wilson and Guo will correspond with other Chinese collaborators.**

Genotypic analysis of Tifrunner x GT-C20 RILs

Analyses with 44 SSRs confirmed 85 of 92 RIL screened to date are useable. All RILs will be read in one week. 96 lines (final number) will be phenotyped by Holbrook et al this summer at Tifton GA. Pending negotiations with USDA, ARS, Marshall Lamb and Charles Chen may grow out/phenotype all 196 RIL at Dawson, GA.

Collaboration with Diane Rowland at UFL

Holbrook asked Diane Rowland at UFL for assistance in evaluating germplasm and mapping populations. Positive response is anticipated..

Collaboration with Renee Arias (ARS Pathologist at Dawson GA)

Renee Arias (ARS Pathologist at Dawson GA) is assigned to aflatoxin research. She will not be able to cover Chen's responsibilities in the breeding program, but would be allowed to collaborate with the PGP when the work complements her ARS assignment. A positive response was received from Arias and Marshall Lamb (Research Leader). They should confirm this opportunity with Roy Scott.

Final draft plan for Shapiro negotiations with BGI

No changes were proposed for the May 9 draft letter. Shapiro has a copy, and may use it in negotiations with BGI. Contact Wilson if amendments are needed.

Allelic variation in Chinese germplasm

Report is pending Guo visit with Liang and Boshou in China on May 30

Treatments for Component 3

Ozias-Akins, Jackson, May, Scheffler will finalize the list of treatments prior to AAGB-2011

Component 5 Phenotyping plan (Holbrook etal)

See above

Component 6 Bioinformatics plan (May etal)

NCGR will be the custodian for PGP data. Plans are needed to define the data that NCGR will receive from ICRISAT, Brazil and China (BGI and other Chinese collaborators). This will be an agenda item for the EC pre-meeting at AAGB-2011. Wilson will contact Greg May for input.

Status of Funding Strategies:

Valentine received a commitment from Smuckers for \$500K to \$1M over 3-5 years. Discussions with Unilever are positive, pending receipt of a PGP proposal. Interviews with other companies and organizations are scheduled. Suggestion to requested investor sponsorship for specific components of the PGP was approved.

Other Business: None

Next Meeting: **Teleconference, 7 June @ 1 PM EDT**

Call in number = 720-496-1607 Pass code: 7066556

Action Items for Next Meeting:

Guidance for AAGB-2011 Breakout Session to EC and facilitators (Wilson)

P&P to Bertoli, Varshney, Stalker, Hoisington, Scott, Chinese collaborators (Wilson/Guo).

Tentative Agenda & logistics for EC pre-meeting at AAGB-2011 on Sunday June 12 (Wilson)

Nominations (send to Wilson and/or Valentine) for EC chairperson, vice chairperson and secretary

The Peanut Foundation appointment of the Administrative Officer

P&P, pre-meet agenda, Breakout guideline, draft letter to BGI to Xu and others at BGI (Shapiro)

Report on allelic variation in Chinese germplasm (Guo)

Collaboration with Diane Rowland at UFL (Holbrook)

Collaboration with Renee Arias (ARS Pathologist at Dawson GA (Valentine).

Treatments for Component 3 (Ozias-Akins, Jackson, May, Scheffler)

Component 5 Phenotyping plan (Holbrook etal)

Component 6 Bioinformatics plan (May etal)