

**Report**  
**Peanut Genome Project**  
**Executive Committee Teleconference, 8/3/11**

**PARTICIPANTS**

Baozhu Guo	Victor Nwosu	Ran Hovav
Lutz Froenicke	Peggy Ozias-Akins	Xun Xu
Mark Burow	Howard Valentine	Scott Jackson
Brian Scheffler	Richard F. Wilson	Corley Holbrook
Roy Scott	David Bertoli	Greg May

Valentine convened the teleconference. Minutes of the 7/11/11 EC meeting were approved..

Update from BGI. Xun Xu described a BAC x BAC approach leading to de novo assemble of a chromosomal scale draft sequence of the tetraploid peanut genome. Each BAC will be indexed, separately not pooled. Sequencing costs have come down, but coverage will be increased, thus total cost of the BGI project is still estimated to be \$4 million. Total number of BACs estimated to be 150,000 with minimum 5 to 10X coverage on each clone. Each library will contain about 400 BACs to facilitate indexing. A high level of quality control must be ensured on each library. Underrepresented BACs may get 40 to 50X coverage. Two different size libraries will be utilized (200 and 500 bp), but individual BAC size will not be known until BGI prepares the libraries. The high level of multiplexing that is proposed is a relatively novel approach. BGI has used this technique to complete the genome sequence of an unspecified allotetraploid with about 1.5 Mbp and complexity similar to soybean. Xun Xu estimated 6 months for prep and evaluation (5 to 10X) of BAC libraries; 6 to 8 months for generating data; 4 months for de novo assembly; about 1.5 years overall for the BGI project.

**Xun Xu agreed to submit a written description of the proposed approach to Shapiro, Valentine and Wilson in two-weeks (by August 17, 2011). Wilson will distribute the document to the EC for review. Wilson will convene a teleconference of an ad hoc committee (Jackson, Michelmore, Froenicke, Ozias-Akins, D. Bertoli, Scheffler, May, Guo, Varshney, Shapiro, Nwosu) during the week of August 22, 2011 to capture a consensus response to Xun Xu proposal.**

**Xun Xu will establish (before 20 September 2011) a banking account in China for receipt of funds deposited for PGP work in China. Development of protocol for fund transfers, expenditure and fund accountability will be coordinated by Valentine. Xun Xu will send Valentine a timeline for the type and amount of payments due after completion of each segment of work.**

Public Relations: Valentine is working with the APC and contractors to develop a logo, slogan and letterhead for the PGC. The public relations effort will feature twitter, facebook and a new website for the PGC by late August 2011.

International members The following accepted an invitation to join the PGC and serve as country liaisons: Japan, Sachiko Isobe and Ran Hovav, Israel

Guo confirmed Dr. Xingyou Zhang as the primary contact for all Chinese collaborators (excluding BGI). **Guo will submit a contact list for each collaborating organization and institution in China.**

PGC Policies & Procedures **Wilson will distribute to the EC: 1) revised language for responsibilities of International liaison and Ex Officio positions (each should attend or participate in PGC meetings if possible); and 2) revised publication policy (acknowledge source of funding). Each EC member is asked to cast an email vote for or against each amendment to the PGC Policies & Procedures. A simple majority of votes cast by August 24, 2011 will determine the issue. Wilson will post the amended P&P document on [www.PeanutBioscience.com](http://www.PeanutBioscience.com).**

Concern was expressed for the lack of specific language in Section 3.04 Data Sharing, regarding how PGP data will be released. Examples from NIH, NIFA or other requirements may be considered. Concern also was expressed that language shown below from Section 3.05 Terms and Conditions, posed a restriction on data release.

*The User shall not claim legal ownership over the information found in the database nor use the data in any way that would impede public access and application of any portion of the database. For clarity, the user agrees not to claim any of the sequences disclosed in these databases in any patent application. However, the foregoing shall not prevent the User from releasing, reproducing or seeking intellectual property protection on*

*improved seeds or plants that may be developed using the information for purposes of making such seeds or plants available to farmers for cultivation.*

The subject language was based on NIH policy, as stated in the Certificate of Confidentiality for the database for Genotypes & Phenotypes (dbGaP):

*The data in dbGaP will be pre-competitive, and will not be protected by intellectual property patents.*

*Investigators who agree to the terms of dbGaP data use may not restrict other investigators' use of primary dbGaP data by filing intellectual property patents on it. However, the use of primary data from dbGaP to develop commercial products and tests to meet public health needs is encouraged.*

<http://www.ncbi.nlm.nih.gov/projects/gap/cgi-bin/about.html>

**Wilson will submit a briefing paper on this issue to Roy Scott and Scott Jackson for review & comment.**

**Strategic Plan** Wilson will post a draft of Strategic Plan v5.0 for EC review on [www.PeanutBioscience.com](http://www.PeanutBioscience.com). Comments should be sent RSVP to Wilson by August 24, 2011.

**Updates will be posted as approved by the EC and opened for comment from all IPGI members.**

**Meeting at USDA** REE Under Secretary Woteki will designate a surrogate to a meeting scheduled for September 8, 2011 in the Whitten Building in Washington DC. Attendees from USDA may include: Caird Rexroad (Associate Administrator, ARS and USDA lead on Chinese relations), Judy St. John (Associate Administrator, ARS); Kay Simmons (Deputy Administrator, ARS). PGC representatives will represent: the Peanut Foundation, Birdsong Peanuts, J.M. Smucher Co.; MARS, the Georgia Peanut Commission, and Scott Jackson. Arrangements will be coordinated by Roy Scott. **Wilson will send Roy Scott a revised briefing paper on the PGC.**

**Roy Scott will identify a contact in China for communications between USDA and the Chinese Ministry of Science & Technology.**

Next Meeting: TBD August 22-26, 2011 EC Teleconference ad hoc EC committee

### Action Items

**Xun Xu** will submit a written description of the proposed BGI approach to **Shapiro, Valentine and Wilson** in two-weeks (**by August 17, 2011**).

**Wilson** will distribute the Xun Xu document to the EC for review.

**Wilson** will convene a teleconference of an ad hoc committee (**Jackson, Micheltore, Froenicke, Ozias-Akins, D. Bertoli, Scheffler, May, Guo, Varshney, Shapiro, Nwosu**) during the week of August 22, 2011 to capture a consensus response to Xun Xu proposal.

**Xun Xu** will establish (**before 20 September 2011**) a banking account in China for receipt of funds deposited for PGP work in China. Development of protocol for fund transfers, expenditure and fund accountability will be coordinated by Valentine. **Xun Xu** will send Valentine a timeline for the type and amount of payments due after completion of each segment of work.

**Valentine** will coordinate public relations campaign and PGC website development

**Guo** will submit a contact list for each collaborating organization and institution in China.

**Wilson** will distribute to the EC: 1) revised language for responsibilities of International liaison and Ex Officio positions; and 2) revised publication policy. **Each EC member will vote on each amendment before August 24, 2011.** Wilson will post the amended P&P document on [www.PeanutBioscience.com](http://www.PeanutBioscience.com).

**Wilson** will submit a briefing paper on the PGC Data Sharing policy to **Roy Scott and Scott Jackson** for review & comment.

**Wilson** will post a draft of Strategic Plan v5.0 for EC review on [www.PeanutBioscience.com](http://www.PeanutBioscience.com). **Comments should be sent to Wilson by August 24, 2011.**

**Wilson** will send Roy Scott a revised briefing paper on an overview of the PGC.

**Roy Scott** will identify a contact in China for communications between USDA and the Chinese Ministry of Science & Technology.