

RosEXEC Minutes

APRIL 27, 2016

TELECONFERENCE, 10-11:00 AM PDT

Meeting called to order by C. Peace, 10:03 PDT

AGENDA

ATTENDEES:

First Name	Last Name	E-mail	Affiliation
Jill	Bushakra	jill.bushakra@ars.usda.gov	USDA-ARS, NCGR, Corvallis
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Mercy	Olmstead	mercy1@ufl.edu	University of Florida
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Eric	Van de Weg	eric.vandewegwur.nl	Wageningen University
Gayle	Volk	gayle.volk@ars.usda.gov	USDA-ARS, Fort Collins

WELCOME

- Cameron Peace (Chair), Ksenija Gasic (Vice Chair), Mercy Olmstead (Secretary)
- Adoption of minutes from January 2016 meeting in San Diego, CA
 - i. Minutes adopted and can be posted online with addition of NAPB and ASHS meeting.
- Need to decide when to do the next meeting – at RGC 8 or have a teleconference?

GDR ADVISORY BOARD

- Curation – finished the black raspberry genome, completed on the GDR dev (in-development. non-public) website, but will stay private until published
- Updated NCBI Rosaceae genes
- Uploaded information from 10 manuscripts into GDR
- No new RosBREED data for breeding data, but uploaded the 2015 evaluation Clemson Variety evaluation database (peach.clemson.edu)
- Conversion of GDR from Drupal 6 to 7 – mobile-friendly
- Continued development of GDR Breeding Information Management Systems (BIMS)

- Added new page for publications datasets
- Project communication:
 - Presentations at PAG
 - Updated GDR brochure
 - Met with AgBio Data group to add at face-to-face workshop for Tripal databases
 - NSF – Development of cyberinfrastructure for.... \$3 million for 3 years
 - Extending Tripal out to forest databases, but will be able to mine data from other databases on the Tripal platform.
 - Submitted GDR abstract for 4th International Strawberry Symposium
- Much of the work was in GDR infrastructure
- Metrics for Q6: No real change in usage of GDR
- Q7 plan of work March–April, 2016
 - Go live with black raspberry genome
 - Complete synteny analysis between Malus, Fragaria, Pyrus, Rubus, and Prunus
 - *Fragaria vesca* or *F. bracteata*?
 - Update PeachCyc, FragariaCyc and AppleCyc databases
 - Add in the apple 480 SNP array data for Malus x domestica (Bianco et al., 2016)
 - Finish refining protocol for the reference transcriptome analysis (RefTrans) for Rosaceae species and make Rubus RefTrans available
 - Survey of GDR users
 - GDR newsletter sent out
 - Presentations for RGC8
- *Eric* – regrading latest genomes available:
 - Need to be able to see where the polymorphisms are located in GBrowse – is this possible?
 - Malus x domestica would be a good one to start with because of amount of information available (plus it's on its 4th version).
 - More information will be available in strawberry although ploidy level may be tricky
 - *Cameron* – maybe peach?
- *Eric* – perhaps Tuesday or Monday evening for a GDR event?
- *Sook* – *Fragaria x ananassa* information + other tetraploid strawberries – how much are people using the genomes?
 - Should these be put on GBrowse?

ROSACEAE SPECIES WEBPAGES FOR GDR – S. JUNG

- Almost done with species descriptions, just need *Fragaria* and *F. vesca*
- M. Olmstead helping with authoring/collecting authors
 - Link to Google Document at for current status: <http://bit.ly/1naGz7o>

NON-RESEARCH UPDATES

- Industry update
 - *J. McFerson* – Some problems with late freezes, particularly in the northeastern U.S.

- APHIS is trying to redefine “biological technology” to deregulate genetic engineering products
- “...advising the public that the Animal and Plant Health Inspection Service (APHIS) plans to prepare a programmatic environmental impact statement in connection with potential changes to the regulations regarding the importation, interstate movement, and environmental release of certain genetically engineered organisms”
 - See: <https://www.regulations.gov/#!docketDetail;D=APHIS-2014-0054>
 - Could embryo rescue be included?
 - Participate in discussions via positions or through industry organizations.
- Info and Tech Transfer
 - RosBREED presentations being made to growers and other stakeholders
 - RosBRIEFs posted online, distributed to major fruit media magazines in the U.S.
 - Technical training modules (for breeders) upcoming (J. Piaskowski, WSU)

COMPETITIVE FEDERAL GRANT PROJECT REPORTS

- RosBREED 2 – *C. Peace*
 - Quarterly newsletters
 - Peach field day (FL) and to Florida Department of Agricultural and Consumer Services (FL)
 - Poster presentation at NARBA in Williamsburg, VA
 - Northwest Horticultural Council presentation about RosBREED and the SCRI program in Washington D.C., focusing on impacts of systems-based approaches for research

RESEARCH FIELDS AND TECHNOLOGY UPDATES

- Strawberry Affymetrix array – *V. Whitaker*
 - Next generation array needs to include octoploid information
 - This array will be to lower the cost of using the array in collaboration Steve Knapp at UC-Davis
 - \$50.00 scanning + chip cost
 - Should be done by end of May

UPCOMING MEETINGS

- 3rd International Symposium on Biotechnology of Fruit Species: 27 Apr - 1 May 2016, at Antalya, Turkey
- Rosaceae Genome Conference - RGC8: 22-24 Jun 2016, at Angers, France
- American Society for Horticultural Science Annual Meeting – 8-11 August 2016, Atlanta, GA USA
- National Association of Plant Breeders Annual Meeting, hosted by Cotton Incorporated and North Carolina State University, Raleigh, NC, 15-18 August, 2016
- 4th International Strawberry Symposium 14-17 August, 2016, Quebec City, Quebec, Canada
- 11th International Symposium on Integrating Canopy, Rootstock and Environmental Physiology in Orchard Systems: 28 Aug – 2 Sep 2016, Bologna, Italy
- 1st ISHS International Apple Symposium, 10-16 October, 2016, Yang Ling, Shaanxi Province, China
- 4th Symposium on Molecular Markers in Horticulture: 7-10 Mar 2017, Napier, NZ

- 8th International Cherry Symposium: 5-9 June 2017, at Yamagata City, Japan

OTHER ANNOUNCEMENTS

Scheduling for next RosEXEC teleconference:

- Timing to get maximum participation? Early morning Pacific, afternoon East, night Europe
- Plan to alternate timing of quarterly meetings to include southern hemisphere and then the European community

Meeting adjourned at: 11:05 AM PDT

Minutes by Mercy Olmstead (Secretary); minor edits by Cameron Peace (Chair)