

## **NRSP008 Swine Meeting**

Saturday, January 10, 2004

Diane Moody, Chair NRSP008 Swine Committee, organized the joint program with NC1004 Swine Genome Committee Chair, Brad Freking. The morning session of 3 invited speakers and afternoon combined station reports was chaired by Dr. Moody.

Tosso Leeb, School of Veterinary Medicine Hannover, Germany

**A 5.5 MB BAC/PAC CONTIG OF PIG CHROMOSOME 6Q1.2 AND ITS INTEGRATION WITH EXISTING RH, GENETIC AND COMPARATIVE MAPS**

Lawrence Schook, University of Illinois

**RECOMBINEERING: A TOOL FOR HARVESTING GENOMIC INFORMATION**

Archie Clutter, Monsanto Company

**IMPLEMENTATION OF MARKER-ASSISTED SELECTION IN COMMERCIAL POPULATIONS**

After Lunch, Administrative reports were given by Margaret Dentine, NRSP008 Administrative Advisor and Burt Stromberg, NC1004 Administrative Advisor, followed by Max Rothschild, the Swine Genome Coordinator, and Jim Reecy, the new NRSP008 Bioinformatics Coordinator.

Joint NRSP-8/NC1004 Station Reports were presented by BARC, ISU, IL, MSU, MN, Purdue, NCSU, NV, OK, and WSU. A written NC1004 report was supplied by OSU. No formal reports were provided by MARC, NE, KSU or VT during the meeting.

The afternoon ended with the NRSP008 Business meeting.

1. NRSP008 representatives agreed that all station reports should be posted on the Swine Genome Coordinator's website, as had been done in 2003 by Max Rothschild.
2. Representatives agreed that next year reports should be made available electronically to all representatives prior to the PAG meeting. Members will then be able to read the reports in advance. There will also be no need to bring printed reports to the meeting.
3. Microarray availability. This year has been very successful. Max Rothschild, the Swine Genome Coordinator, explored possibilities of making swine microarrays available to the research community. During the fall of 2002 he held discussions with Agilent, Qiagen and Affymatrix. At the January 2003 meeting an NRSP008 Swine Array committee was constituted; Chris Tuggle, Daniel Pomp (co-chairs), Mike Murtaugh, Diane Moody, Jon Beever and Cathy Ernst advised Max Rothschild on choosing cDNA arrays versus oligos and compared vendors. Qiagen was selected and 13,000 70-mer oligos were produced. Oligos were arrayed through an agreement with UMN for distribution to NRSP-8 members. Max Rothschild confirmed that numerous sets of swine oligo arrays are still available for printing and that some NRSP008 members had asked for sets early on

but had not followed through with their request once the oligos were available. NRSP008 members approved a plan for the oligos: a cutoff date should be set for NRSP008 requests so that remaining sets would be freed up; 500 sets of oligos should be set aside for US researchers; excess sets could be made available to non-US researchers for the costs of printing.

4. Nominations for secretary were accepted and Joe Cassady, NCSU, was elected by acclimation.
5. On Sunday, Jan.11 the NC1004 business meeting was held. There were extensive discussions of results with current microarrays and a potential plan for a joint analysis of data collected by the Fahrenkrug, MN, Tuggle, ISU, and Beever, IL, labs. Additionally members decided to have another committee to develop plans for the next set of swine arrays.
6. A joint NRSP008/NC1004 Swine Arrays committee was selected: Scott Fahrenkrug, MN, will chair the committee. Members: Chris Tuggle, ISU, Jon Beever, IL, Diane Moody, Purdue, Cathy Ernst, MI and, ex-officio, Max Rothschild, ISU. The committee will address 3 issues: 1) bioinformatic needs for analyzing and jointly storing array data; 2) companies and platforms for the next generation of swine arrays; and 3) updated criteria for selecting genes and oligo design for next generation arrays.