



# POULTRY GENOME NEWSLETTER 2007

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## PAG XVI & NAGRP/NC-1008 Meeting, January 2008

PAG-XVI will be held **January 12-16, 2008** at the usual spot, the **Town and Country Hotel, San Diego, CA**. A preliminary program is available at <http://www.intl-pag.org/16/16-pag.html>. The **NC-1008 Multistate Research** project committee and the **Poultry Subcommittee of the National Animal Genome Research Program, NRSP-8**, will meet concurrently, with the Poultry Workshop scheduled to start at 9 a.m. on Saturday, Jan. 12. An *ad hoc* committee is gathering information on how PAG meetings could be improved. They welcome your suggestions: email **Mary Delany**, [medelany@ucdavis.edu](mailto:medelany@ucdavis.edu), or **Hans Cheng**, [hcheng@msu.edu](mailto:hcheng@msu.edu).

## Congratulations! Sue Lamont makes her Merck

**Sue Lamont** was awarded the **Merck Award for Achievement in Poultry Science** at the recently concluded **PSA** meeting. Congratulations to Sue on this well-deserved recognition.



**Sue Lamont** (far left) receives congratulations at a reception in her honor from (l. to r.) **Bob Taylor, Mary Delany, Muquarrab Qureshi, Gisela Erf and Janet Fulton**.

## Mark your calendars: Centennial PSA Meeting

The **Centennial Poultry Science Association Meeting** will be held **July 20-23, 2008** at the **Sheraton on the Falls Hotel and Convention Center, Niagara Falls, Ontario, Canada**. Be sure to sign up for the scenic trip over the Falls. You'll have a **barrel** of fun!

## NRSP-8 and NC-1008 Renewal Applications

**Both the NRSP-8 and NC-1008 projects need to submit renewal applications this year.** The NRSP-8 writing team, coordinated by **Mary Delany**, includes existing coordinators or their representatives, and the NC-1008 writing team will be led by **Chris Ashwell** (objective 1), **Jim Pettite** (objective 2) and **Sue Lamont** (objective 3).

## Follow the Blueprint: USDA Blueprint for Animal Genomics

The **USDA's Blueprint for Animal Genomics**, a product of several months of effort of a USDA Animal Genomics Task Force commissioned by Undersecretary **Joseph Jen** in 2006, will be released to inform the scientific community and stakeholders by September 1, 2007, including the NRSP-8 membership, Deans and Directors of Land-grant Universities, NRI awardees, Animal/Dairy/Poultry Science Department Heads/Chairs, and members of related multi-state committees, among others. The Blueprint outlines needs and goals in the areas of "Science to Practice", "Discovery Science" and "Infrastructure". (kindly provided by **Muquarrab Qureshi**)

## ON THE ROAD AGAIN. UPCOMING MEETINGS:

NOTE: Regularly updated poultry meeting information is now available at [http://www.animalgenome.org/share/mtg\\_chic.html](http://www.animalgenome.org/share/mtg_chic.html). Meeting organizers can enter their own meeting information on-line at [www.animalgenome.org/cgi-bin/angenmap/mtg\\_new](http://www.animalgenome.org/cgi-bin/angenmap/mtg_new).

Transgenic Animal Research Conference VI, August 12-16, 2007, Granlibakken Conference Ctr., Lake Tahoe, CA (organized by UC Davis). See <http://conferences.ucdavis.edu/transgenic>

3<sup>rd</sup> International Conference on Quantitative Genetics, August 18-24, 2007, Zheijiang University, Hangzhou, China. See <http://ibi.zju.edu.cn/icqg>

Convergence of Genomics and the Land Grant Mission: Emerging Trends in the Application of Genomics in Agricultural Research, September 10-12, 2007, Purdue U., West Lafayette, Indiana. See [www.entm.purdue.edu/conference](http://www.entm.purdue.edu/conference).

17th Conference of the Association for the Advancement of Animal Breeding and Genetics, September 24-26, 2007, Armidale, NSW, Australia. See <http://www.aaabg.org/>

International Symposium on Animal Genomics for Animal Health, October 23-25, 2007, OIE Headquarters, World Organization for Animal Health, Paris, France. For information see [www.ars.usda.gov/meetings/AGAH2007/](http://www.ars.usda.gov/meetings/AGAH2007/)

2<sup>nd</sup> GSA Model Organisms & Human Biology Meeting, Jan. 5-9, 2008, Town & Country Convention Center, San Diego, CA. See <http://www.gsa-modelorganisms.org/>

Plant and Animal Genome XVI, joint with NC-1008 and NAGRP annual meetings, Jan. 12-16, 2008, Town & Country Convention Center, San Diego, CA. See [www.intl-pag.org/](http://www.intl-pag.org/).

XXIII World's Poultry Congress 2008, June 29-July 4, 2008, Brisbane Convention and Exhibition Centre, Brisbane, QUEENSLAND, AUSTRALIA. See [www.wpc2008.com](http://www.wpc2008.com)

9<sup>th</sup> International Symposium on Avian Endocrinology, July 10-15, 2008, Universiteitshallen of the University of Leuven, Leuven, Belgium. Website not yet available.

Poultry Science Assoc. Centennial Meeting, July 20-23, 2008, Sheraton on the Falls Hotel and Convention Center, Niagara Falls, Ontario, Canada. Website not yet available.

## Chicken Bioinformatics Updates

Thanks primarily to the efforts of **Parker Antin**, the chicken is now represented on the **NIH Model Organisms for Biomedical Research** web site. To view the chicken pages, go to <http://www.nih.gov/science/models/gallus/>. The Gallus pages were assembled using information provided by members of the bird research community and are still under construction. If you have suggestions, contact Parker at [pba@email.arizona.edu](mailto:pba@email.arizona.edu).

As mentioned in our last issue, **Carl Schmidt** has assembled a **Gallus Genome Browser** that has now moved to its new home at Birdbase: <http://birdbase.net/cgi-bin/gbrowse/gallus>. Newly added track options include zebra finch ESTs, condor sequences, Wageningen markers, and Delmar array sequences. Please send suggestions and/or requests to [schmidt@udel.edu](mailto:schmidt@udel.edu)

The **Chicken QTL Database** at <http://www.animalgenome.org/QTLdb/chicken.html> now contains links to chicken SNPs stored in Genbank.

A new set of **Gene Ontology (GO)** annotations were released in the latest version of **GOA Chicken 20.0** last month. See [http://www.ebi.ac.uk/GOA/chicken\\_release.html](http://www.ebi.ac.uk/GOA/chicken_release.html).

### CHICKEN CHIPS!

**Operon Biotechnologies Inc.** distributes the *Gallus gallus* (chicken) Roslin/ARK CoRe Array V1.0 ready-to-spot oligonucleotide set that contains 20,673 long oligo probes for creating microarrays. See [http://www.operon.com/arrays/oligosets\\_chicken.php](http://www.operon.com/arrays/oligosets_chicken.php). A chicken whole genome long oligo array is also available at the **U. of Arizona**, [www.grl.steelecenter.arizona.edu](http://www.grl.steelecenter.arizona.edu) and can also be purchased on a custom basis from **Nimblegen**, [www.nimblegen.com](http://www.nimblegen.com). A 13K chicken spotted cDNA glass slide array remains available from the Array Facility at the **Fred Hutchinson Cancer Research Center**. See **Burnside et al.**, *BMC Genomics* 6:13 (2005) (<http://www.biomedcentral.com/bmcgenomics>) for more details. Email requests to [genomics@fhcrc.org](mailto:genomics@fhcrc.org). **Affymetrix, Inc.** markets the GeneChip® Chicken Genome Array, <http://www.affymetrix.com/products/arrays/specific/chicken.affx>, that measures levels of 32,773 chicken and 684 viral transcripts. Microarrays, along with clones and vectors (including RNAi vectors), genotyping services and other resources can also be obtained from **ARK-Genomics** at <http://www.ark-genomics.org>. **Agilent Technologies** offers a 44,000 element long oligonucleotide microarray. See [www.agilent.com](http://www.agilent.com) or contact **Huaijun Zhou** at Texas A&M, [hjzhou@poultry.tamu.edu](mailto:hjzhou@poultry.tamu.edu), if interested.

### BAC AT YOU!

**Chicken BAC libraries** have been constructed at Texas A&M (~39,400 each in three sublibraries called TAM31, TAM32, and TAM33, respectively; Lee et al., *Animal Genetics* 34: 151) and by **Pieter de Jong** (CHORI-261: ~73,700 BACs with ~195 kb inserts). Pieter has also generated a **turkey BAC library (CHORI-260)**. If interested in either CHORI library, see <http://baepac.chori.org>. Some free filter sets with spotted arrays of CHORI-260, CHORI-261, TAM31 and TAM33 BACs are still available, email [dodgson@msu.edu](mailto:dodgson@msu.edu).

### **Poultry Genome Newsletter Archive**

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#### **PLEASE PROVIDE YOUR INPUT**

The Poultry Coordinators are always glad to hear from NRSP-8 members and other readers about ways that we can improve the coordination effort or provide resources that are needed and with which we may be able to help. Also, let us know if you have items of general interest to the poultry genetics community that we can include in this Newsletter.

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