

March
2008



2008 Phenotyping Symposium

Thanks to our sponsors, speakers (Dr. Cory Brayton, Dr. Julie Watson, Dr. Roger Reeves, Dr. Shannon Fisher, Dr. Ellen Hess, Dr. Franziska Grieder, Dr. Bradford May, Dr. Mikhail Plentikov, Dr. Martin Pomper, Dr. Kathleen Gabrielson, Dr. Wayne Mitzner, Dr. Bak Karim), and outstanding support staff for contributing to the success of our 3rd free phenotyping symposium.

There were more than 160 registrants, including visitors from Spain, Canada, and throughout the US. The concourse and auditorium

were busy throughout the day. Posters and sponsor exhibits, all relevant to phenotyping and other translational research applications, received a lot of attention. The (new this year) Wednesday slide conference, imaging facility tour, and NBC tour also were very popular.

Link to exhibitors, poster abstracts and presentations (soon) from the main website.

<http://www.hopkinsmedicine.org/JHUphenotyping/index.html>

PLEASE complete a short online evaluation to justify and improve subsequent symposia:

<http://www.hopkinsmedicine.org/JHUphenotyping/08SymEVAL.html>



Metabolic Phenotyping Shared Instrument Application — Request for users / CoPI's

The Center for Metabolism and Obesity Research (CMOR) is submitting a Shared Instrumentation Grant application to the NIH under Announcement PAR-08-036 (S10 mechanism), March 24th, 2008 for a Comprehensive Lab Animal Monitor System (CLAMS). CLAMS can monitor mice or rats for simultaneous measurement of: whole-animal metabolism (energy expenditure, overall fuel utilization, calorimetry), food intake (with ability to computer-control



food access schedules), and physical activity, and will come with software for integrative analyses of these data. Learn more about CLAMS at <http://www.colinst.com/>

Contact Dr. Gabriele Ronnet or Dr. Susan Aja (saja@jhmi.edu) as soon as possible if this equipment could apply to your research, and if you can be included as a co-PI on this application.

Announcements & Upcoming Events

4/10/08—FREE ! Jax Mouse Genetics Resources and Breeding Seminar at JHU Tilghman auditorium **REGISTER NOW** at <http://jaxmice.jax.org/affiliates/event/johnshopkins2008> or contact kdiven1@jhmi.edu

NIH KOMP Administrative supplements for making knockout mice from existing mutant ES cell resources aim to support use of existing resources and ensure that ES cell lines are converted into frozen embryos that are available from a repository. **Get up to \$13,125 (direct costs)** from NIH, to get started quickly on knockouts for your research project. **Two receipt dates in FY08 are April 1 and June 1, 2008.** See <http://grants.nih.gov/grants/guide/notice-files/NOT-HG-08-002.html>.

Interested in new resources for Phenotyping and other Preclinical Translational Research ?

Please complete a very short on line survey at

<http://www.hopkinsmedicine.org/JHUphenotyping/JHMIGEM/DataQ.html>

Could noninvasive electrocardiography on unrestrained awake mice be useful to your studies of genetically induced or other models of cardiac conditions?

What about fully digital histology slides that can be examined on multiple computer screens remotely for evaluation, consulting or teaching? Also they can be annotated, archived, and a wide variety of morphometric software can be applied to entire specimens.

How about data and protocol handling capabilities similar to those for clinical trials or FDA GLP studies, that can follow a patient, or a genetically engineered animal or other test subject from parental lineage (pedigrees) to genotyping to behavioral testing to physiological testing to imaging, to microarray testing to pathology to publication to budgeting to grant submissions?

Only 4 responses are required for anonymous submission.

Specific suggestions and contact are welcome also.

The survey invites input that will support efforts to obtain or apply for specific equipment or instruments, and aims to assess research related data handling (information management) interests .

Please take a few minutes to complete the survey, or email phenocore@jhmi.edu

Could a powerful data handling resource, or web based information management system (IMS) here at JH facilitate and promote interdisciplinary intramural (and extramural) collaborations, and attract federal (and other) support?

Are data handling resources that were developed primarily to support individual projects or laboratories sufficiently robust, interactive or secure, to serve longer term needs, to offer substantive support for interdisciplinary collaboration, or to rival other academic and industry based initiatives, with which we find ourselves competing?

If you are interested in specific equipment for shared use, or in any of these issues please complete the survey. Go to the site or link to it from the [Phenotyping Core home page](#).

Virtual Slide Conference

February 20 slide conference registration exceeded the capacity of our microscope equipped conference room. Aperio (<http://aperio.com/>) kindly scanned our slides so that we could hold a virtual slide conference via computer and LCD projector. Dr. Pat Turner from University of Guelph won the new 3rd ed of **The Pathology of Laboratory Rodents and Rabbits**, donated by Wiley Liss. Feb 20 Cases included:

Dr.'s Southard, Brayton - Mouse (Tg B6C3) with posterior paresis - Disseminated lymphoma leukemia, vertebra, spinal canal, muscle

Dr.'s Southard, Brayton - Mouse (tm IL10) with posterior paresis - Histiocytic sarcoma, vertebra, spinal canal, muscle

Dr. Singh - Mouse (tm, Er2a) Ovaries, testes, subfertile phenotype

Dr. Sebastian - Cat - kidney - Melamine toxicity

Dr. Simons - Mouse (tm B6,129) - Kidneys congenital renal cysts

Dr.'s Southard, Brayton - Tg rat - Eyes - congenital cataracts

Dr.'s Kelly, Montali - Mouse (tm Rag1) - Skin - Hyperkeratosis Acanthosis bacteria cw C bovis (HAC)

Dr.'s Southard, Brayton - Mouse (tm Rag1, etc) - Kidney - diffuse intranuclear inclusion bodies in tubules

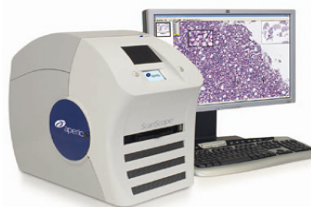
Dr.'s Southard, Brayton - Mouse (tm B6,129) decalcified head - otitis, rhinitis, fibroosseous lesion, PAS + 'taupathy'

Dr.'s Southard, Brayton - Mouse (ICR) decalcified head - malacia / infarct

More cases and slide conference information at

<http://www.hopkinsmedicine.org/mcp/PHENOCORE/SlideConference.html>

To be added to our mailing list, or if you have slides or a case that you would like to present, contact phenocore@jhmi.edu The next slide conference will be Tuesday March 18, 2008, 4-6PM, in 801 BRB.



What's Your Diagnosis?

March WHAT'S YOUR DIAGNOSIS ?

Tissue from a mouse—diagnoses and more cases at <http://www.hopkinsmedicine.org/mcp/PHENOCORE/Newsletter.html>

