



## 2007 Johns Hopkins Phenotyping Symposium

The 2007 Phenotyping Symposium will be held Tuesday March 20, 2007, in the Mountcastle Auditorium in PCTB, 9am-5pm, with a reception from 5pm-6pm.

The full day program features Johns Hopkins Faculty and phenotyping resources. In addition Brad Bolon, DVM, PhD, will present on **Phenotypes of Mouse Development and Developmental Failure.**

Dr. Bolon earned his B.S., D.V.M. and M.S. at the University of Missouri, his Ph.D. in Pathology at Duke University during postdoctoral training at the Chemical Industry Institute of Toxicology. He is board certified by the American College of Veterinary Pathologists and by the American Board of Toxicology. He has worked in toxicology, pathology and research, in academia and in industry. He has authored numerous papers and book chapters, and speaks regularly at national and international meetings on various topics in

neuropathology and phenotypic analysis of genetically engineered animals, especially embryos.

### Symposium Topics include:

◆ Creating Genetically Engineered Mice ◆ Zebrafish in Functional Genetics Research ◆ Behavioral, Cognitive/Social Phenotyping Phenotyping ◆ Motor Phenotyping ◆ Metabolic Profiling ◆ Small Animal Imaging technologies ◆ Pulmonary Phenotyping ◆ Anatomic and Clinical Pathology Phenotyping ◆

**Registration is Free but Required.** For additional information and registration, go to: <http://www.hopkinsmedicine.org/JHUphenotyping/index.html>



### The New Phenotyping Core Website

<http://www.hopkinsmedicine.org/mcp/phenotypingcore/index.html> is our new website.

It is updated frequently. There are links to our phenotyping core faculty, tests and analyses currently available through the core, course information, links to our slide conference and newsletter, phenotyping resources and upcoming events at Johns Hopkins and around the world.

Please send suggestions and material to be posted to Dr. Brayton at [cbrayton@jhmi.edu](mailto:cbrayton@jhmi.edu).

### SAIRP

### JHU's Small Animal Imaging Resources Program

The goal of the Small Animal Imaging Resource Program (SAIRP) is to provide multi-modality imaging services and imaging probe development to

- 1) support research in their 15 base grants,
- 2) support the small animal imaging needs of JHU, non-JHU and industrial concerns outside of the base grants through collaboration and/or service arrangements,
- 3) encourage other investigators to incorporate small animal imaging (SAI) into their own pre-clinical process, and *(cont on p2)*

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## SAIRP Small Animal Imaging Resources Program (cont.)

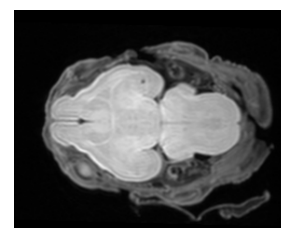
4) provide education for small animal imaging so that the program continues to be renewable and highly relevant to the rapidly progressing field of molecular imaging.

SAIRP has all available SAI modalities including 2 systems for optical imaging (Xenogen and Kodak), a small animal PET (GE eXplore Vista)

device, several SPECT devices, both commercial (Gamma Medica) and home-built - equipped with dual modality imaging - a Faxitron®, CT (with 2 of the gamma cameras) and a 9.4T MR scanner. A team of chemists generate new probes for molecular imaging and a staff of SAI technicians. Visit the website at <http://sairp.rad.jhmi.edu/>

The SAIRP workshop, February 7-8 is FULL, and registration is closed.

For Workshop Information, go to: <http://sairp.rad.jhmi.edu/>



## International Mammalian Genome Society

The International Mammalian Genome Society exists primarily to foster and stimulate research in mammalian genetics from sequencing and functional genomics to mutagenesis and mutant analysis, and to represent the concerns of its members in their professional activities.

The society originated in the early days of the Genome Project to promote and facilitate mapping and sequencing of the mouse genome. Ac-

tivities of the society have expanded with the growing realization of the important and unique role of rodent species in current biomedical and genetic research. The IMGs played an important role in supporting and promoting large mutagenesis projects, development of high resolution SNP maps, and the Mouse Phenome Project.

The Society journal, **Mammalian Genome**, publishes papers in these areas

and is becoming a major venue for projects in comparative mapping and sequencing of other species, especially for domestic animals and livestock. Roger Reeves [RReeves@jhmi.edu](mailto:RReeves@jhmi.edu) is currently an officer of the society and can provide additional information.

**Next Conference: IMGs 21st, Kyoto, Japan, 2007 October 28-November 1.**

Go to <http://www.imgs.org/> for additional information, including links to abstracts from recent conferences,

## Comparative Pathology Slide Conference

The Department of Molecular and Comparative Pathobiology and Phenotyping Core have initiated an **informal monthly slide conference**, to emphasize recent interesting phenotyping and comparative pathology cases, and to provide a friendly and educational venue for colleagues within and outside of the JHU community to present and discuss interesting cases.

**Date:** 2nd or 3rd Tuesday or Wednesday of each month. Date confirmation will be sent to interested individuals about in advance.

**To be added to our mailing list, contact [phenocore@jhmi.edu](mailto:phenocore@jhmi.edu)**

**Next Conference: Feb. 20, 2007**

**Time: 4:00pm-6:00pm.**

**Place: BRB 801**

Go to <http://www.hopkinsmedicine.org/mcp/phenotypingcore/SlideConference.html> for additional information.

### January 23, 2007 Cases:

- Dr. Montali, ferret, CDV morbillivirus, hardpad-like lesion
- Dr. Pisharath, Tg Zebrafish, pancreatic neoplasia
- Dr. Converse, Guinea pig, tuberculosis
- Dr. Simons, mice, genetically-induced proliferative skin lesions
- Dr. Simons, mice, lung adenoma
- Dr. Southard, mouse, histiocytic inflammation
- Dr. Southard, rat, brain tumor GBM
- Dr. Brayton, dog, meningioma
- Dr. Brayton, mouse, medulloblastoma

### January What's your diagnosis?

Mouse, acidophilic crystalline pneumonia, acidophilic macrophage pneumonia, a common finding in some mouse strains and stocks.

Follow links from <http://www.hopkinsmedicine.org/mcp/phenotypingcore/Newsletter.html> for additional information and references.

**February WHATS YOUR DIAGNOSIS ? Tissue from a mouse.**

