



2007 Johns Hopkins Phenotyping Symposium II

Characterizing genetically engineered animals for model development, research and publication

The 2007 Phenotyping Symposium will be on Tuesday March 20, 2007, in the Mountcastle Auditorium in PCTB. 9:00am-5:00pm, followed by a reception for registered attendees.

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**. Other topics include:

- ◆ Creating Genetically Engineered Mice
- ◆ Behavior, Cognitive/Social Phenotyping
- ◆ Metabolic Profiling
- ◆ Anatomic & Clinical Pathology Phenotyping
- ◆ Zebra Fish in Functional Genetics Research
- ◆ Motor Phenotyping
- ◆ Small Animal Imaging Technology
- ◆ Pulmonary Phenotyping

Faculty speakers include: Dr. Janice Clements, Dr. Cory Brayton, Dr. Roger Reeves, Dr. Shannon Fisher, Dr. Julie Watson, Dr. Ellen Hess, Dr. Gabriele Ronnet, Dr. Mikhail Pletnikov, Dr. Martin Pomper, Dr. Kathy Gabrielson, Dr. Wayne Mitzner. Thanks very much to our sponsors for helping us to offer this free symposium to the scientific community.

Find the website easily by 'Googling': **Hopkins Phenotyping**; or go to <http://www.hopkinsmedicine.org/JHUphenotyping/index.html> for additional information and free registration.

REGISTER EARLY. Registration will close soon due to space limitation.



SAIRP Imaging Workshop

Congratulations to **Marty Pomper, Susanne Hemker and all of the staff, speakers and sponsors** who contributed to the success of the Small Animal Imaging workshop on February 7-8, 2007, hosted by Johns Hopkins Small Animal Imaging Resource Program (SAIRP) and the In vivo Cellular and Molecular Imaging Center (ICMIC).

The workshop was over subscribed, with registrants from the US and Canada. Lectures and workshops received much positive feedback from participants.

For more information about SAIRP and ICMIC go to <http://sairp.rad.jhmi.edu/>

Hematology & Clinical Chemistry for Rodents & Research

Hematology evaluations (CBC, blood count) provide insight and objective data relevant to immune function, infection, hematopoiesis, anemia.

Plasma or Serum chemistry tests provide insight and objective data relevant to kidney and liver function, electrolyte levels, lipid metabolism, protein digestion, pancreatic function, and other metabolic parameters.

The Phenotyping Core offers hematology and clinical chemistry services to the Hopkins research community, usually with same day turn around.

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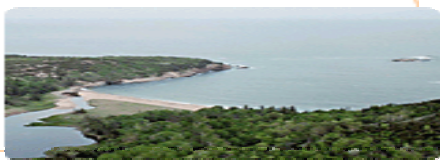
March 2007 Events

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Upcoming 2007 Events

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New Website: Upcoming Phenotyping Events



Before planning your next vacation, check our new 'Upcoming Events' website at <http://www.hopkinsmedicine.org/mcp/PHENOCORE/UPcoming.html>

A variety of courses, workshops, conferences, national and international meetings,

with emphasis on phenotyping, or rodent biology and pathology, are listed, with links to information and registration.

Exotic educational venues vary from beautiful Baltimore or Maine in the winter, to Madison, Wisconsin or Kyoto, Japan in the summer and fall. Examples include:

2007 Johns Hopkins phenotyping Symposium II (3/20 at JHMI)

Colony Management principles and Practice (3/25-3/30, at TJL)

Comprehensive Approach to the in vivo

Assessment of Cardiovascular Function in Mice (4/9 - 4/19, at TJL)

Workshop On Surgical Techniques in Laboratory Mice (4/22 - 4/28, at TJL)

Molecular Embryology of the Mouse (6/6 - 6/26, at CSHL)

Pathology of Genetically Engineered rodents and aquatic species, an introduction to Phenotyping (7/25-7/27, Madison, WI)

21st International Mouse Genome conference (10/28-11/1; Kyoto, Japan)

Hematology & Clinical Chemistry for Rodents & Research

(Cont. from page 1) Our Hemavet 950 hematology analyzer **requires less than 50ul of whole blood for a CBC** (complete blood count).

Our Vet Ace automated chemistry instrument can evaluate more than 20 analytes, including AST, ALT, ALP, Alb, BUN, Amylase, Bilirubin, cholesterol, triglycerides LDH, Glucose, Ca, Creatinine, CK, Total Protein, electrolytes, etc. on serum and plasma specimens.

Individual tests and special panels of

tests customized for different projects are available. More details about available tests and prices are listed at <http://www.hopkinsmedicine.org/mcp/PHENOCORE/07tests.html>

Clinical pathology (hematology and clinical chemistry) on rodents and other small species, and for different research projects presents unique chal-



lenges. Procuring specimens must be included on the approved IACUC protocols (contact Kinta Diven kdiven1@jhmi.edu for additional information), and must be obtained by trained personnel (contact Dr. Watson jwatso19@jhmi.edu for training). To optimize results for your project, specimen handling, special panels and needs should be discussed with the clinical pathology and research technician **Nadine Forbes**, (nforbes1@jhmi.edu) before submitting specimens.

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.

To be added to our mailing list, contact phenocore@jhmi.edu

March Slide conference is canceled – Go to the symposium! See you in April.

Cases from February 20, 2007:

Dr.'s Montali, Brayton, Cooper – Hamster - epitheliotropic lymphoma, Demodex aurati, D criceti

Dr.'s Montali & Lorenzo - Anaconda - Entamoeba invadens

Dr.'s Mankowski & Schultz - Dog - bronchiolitis obliterans, obstructive pneumonia

Dr. Karim - Mice - colon crypt dysplasia

Dr. Simons - Mouse (nu/nu) - Glomerulonephritis vs amyloidosis, interstitial nephritis; adrenal subcapsular cell proliferation; adrenal ceroid lipofuscin deposition

Dr. Brayton - Mice (Tm) - Vertebral osteopenia, fracture callus; nasal turbinate fibrous osteodystrophy

Dr. Brayton - Mouse (129 background) - cervical spine, brain stem, neoplasm, meningioma

Dr. Brayton - Mouse (129 background) - coronary arteritis, periarteritis

Dr. Brayton - Mouse (BALB/c) - RVFW epicardial mineralization (dystrophic cardiac calcinosis)

Dr. Brayton - Mouse (IL10 tm) - Right auricular/atrial thrombus

February 2007 What's your diagnosis:

Intestinal amyloidosis. Systemic amyloidosis can be a serious complication in some mouse studies.

Follow links from :

<http://www.hopkinsmedicine.org/mcp/phenotypingcore/newsletter.html> for additional information and references.

March 2007

WHAT'S YOUR DIAGNOSIS ?

Tissue from a mouse.

