Lab Animal Metabolism Monitor: Oxymax - CLAMS

The Columbus Instruments Oxymax - CLAMS (Comprehensive Lab Animal Monitoring System) is a versatile device for monitoring metabolic performance of mice and rats. Customers choose from a selection of sub-systems that allow for the measurement of these possible parameters:

- VO2/VCO2 & RER
- Food Intake
- Drinking Volume
- Urine Production
- Body Mass
- Breaths / Minute
- Animal Activity
- Yoked and/or Paired Feeding
- Core Temp. & Heart Rate
- Running Wheel Activity
- Optional Environmental Enclosure

For more information: www.colinst.com

Animal Activity Monitor

The Columbus Instruments Auto-Track Activity Meter presents the ultimate flexibility for measuring in home or special cages. Measures these parameters:

- Distance Traveled
- Path of Movement
- Ambulatory Movement
- Stereotypic Movement
- Rearing (Vertical)
- Rotations
- Open Field
- Hole Poke
- Light / Dark
- Time-In-Square

Animal Treadmill

The Exer 3/6 Treadmill provides 6 mouse lanes or 3 rat lanes for general purpose exercise. Speed is adjustable from 2-102 m/min and acceleration is programmable in 0.1 m/min steps per second. Available with or without electric stimulus or optional stimulus detection system.

Rota-Rod: Rotamex-5

The Rotamex-5 measures coordination in up to four mice or rats by recording the latency to fall from a spinning rod. Key features include:

- Reports latency time to fall for each subject
- Reports rod speed in RPMin. or in cm/sec.
- Adjustable speed from 0-99.9 RPMin.
- Fully adjustable acceleration 0.1-20 RPMin/sec.
- Fall detection by photocells above the rod
- Detection of passive rotation (looping) in mice

Non-Invasive Blood Pressure: Columbus NIBP

The Columbus Instruments NIBP system measures blood pressure in mice and rats by way of specially designed tail cuffs. The system can support measurements in up to 8 animals, key features include:

- Systolic, Diastolic, and Mean Blood Pressure
- Warming Compartment heats the tail only for stronger Heart Rate signal with lower stress
- Thermostatic and adjustable Warming control
- Supports Manual and Automatic measurements
- Each measurement takes only 16 seconds
- Measurement quality is graded and reported
**American Journal of Physiology-Endocrinology and Metabolism**

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CALL FOR NOMINATIONS

For the Editorship of

Physiology

Nominations are invited for the Editorship of Physiology to succeed W. Boron, who will complete his term as Editor on June 30, 2012. The Publications Committee plans to interview candidates in the Fall of 2011.

Applications should be received before August 15, 2011.

Nominations, accompanied by a curriculum vitae, should be sent to the Chair of the Publications Committee:

Hershel Raff, Ph.D.
American Physiological Society
9650 Rockville Pike
Bethesda, MD  20814-3991

Special Joint Call for Papers

Integrative Aspects of Renal Endocrinology
Submission Deadline: January 31, 2012

In recent years, multiple lines of research have strengthened the concept of the kidney as an endocrine organ, and there is now an increased appreciation of the intersection between nephrology and endocrinology. Therefore, the American Journal of Physiology-Renal Physiology and American Journal of Physiology-Endocrinology and Metabolism are pleased to jointly sponsor this Call for Papers.

We seek manuscripts focusing on the role of renal hormones (e.g., renin, angiotensin, vitamin D, erythropoietin, etc.) on metabolism of the kidney or other organ systems. We also seek manuscripts focusing on the role of circulating hormones of non-renal origin (e.g., vasopressin, aldosterone, insulin, etc.) on the kidney. Specifically, we are soliciting original high-quality manuscripts that address the integration of different levels of scientific analyses, including molecular/cellular, biochemical, genetic, physiological, and pathophysiological, in the investigation of this general area. Studies using cell systems, animals, and humans are all welcome for consideration.

To be eligible for inclusion in this Call for Papers, manuscripts must be submitted prior to January 31, 2012.

Note to Authors: Manuscripts may be submitted online to either AJP-Renal Physiology or AJP-Endocrinology and Metabolism via http://ajprenal.msubmit.net or http://ajpendo.msubmit.net, respectively. During the online submission, under the “Keywords, Categories, Special Section” tab, please choose “Integrative Renal Endocrinology” under “category.” Indicate in the cover letter that the submitted manuscript is in response to the “Integrative Renal Endocrinology” Call for Papers. Manuscripts will undergo normal peer review. If accepted, the article will be highlighted with other papers appearing in response to this announcement. Submissions will be reviewed as they are received and will be published online immediately upon acceptance. While most manuscripts will pertain to original research, we will also accept suggestions from authors who wish to write relevant cutting-edge review articles which are designed at stimulating new and creative ways of looking at specific scientific questions. Those interested in submitting a review article should submit the a) title, b) authors, and c) abstract for prior approval to the Editor-in-Chief of either AJP-Renal Physiology or AJP-Endocrinology and Metabolism.

Our aim for this Call for Papers is to attract the very best science, regardless of approach, and so we welcome your submissions. If you have any questions or already have a manuscript in this area submitted to either AJP-Renal Physiology or AJP-Endocrinology and Metabolism and would like to have it included in this series, please contact the respective Editor-in-Chief, Thomas R. Kleyman, MD (kleyman@pitt.edu) or Charles H. Lang, PhD (clang@psu.edu).
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2011 APS Conference:
Physiology of Cardiovascular Disease: Gender Disparities
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Experimental Biology 2012
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