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

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

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.

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

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
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9-3-10
THE FACULTY OF BIOLOGY AND MEDICINE OF THE UNIVERSITY OF LAUSANNE, SWITZERLAND INVITES APPLICATIONS FOR THE FOLLOWING POSITION:

FULL PROFESSOR
DIRECTOR OF THE DEPARTMENT OF PHYSIOLOGY

In a rich local and regional context, the Department of Physiology at the University of Lausanne (www.unil.ch/physiologie) is developing its activities in human physiology at the interface of clinical research in endocrinology established at the Centre Hospitalier Universitaire Vaudois (CHUV) and fundamental research in metabolism well developed at the Centre of Integrative Genomics (CIG, www.unil.ch/cig). The Department also benefits of the proximity of the Ecole Polytechnique Fédérale de Lausanne (EPFL).

We seek outstanding applicants (PhD, MD or MD/PhD) with a record of excellence in research, who have proven their ability to develop and apply translational research in the general field of metabolism and nutrition. Approaches should be molecular and integrative, centered on human physiology. Areas of interest include – but are not limited to – general metabolism, metabolic syndrome, obesity, diabetes, regulation of energy homeostasis and related fields. The applicants will have a proven management experience.

As Director of the Department the successful applicant is expected to lead a strong, independent research programme, attract external funding and promote translational research. He/she is expected to provide strategic vision and leadership, bringing the Department of Physiology to become a centre of excellence in research in metabolism and nutrition in Lausanne, and a key actor in the development of the field in the Lemanic area. He/she will participate in teaching basic physiology to medical and biology students at undergraduate and postgraduate levels.

The job description is available at www.unil.ch/fbm/page64812.html. Further information may be obtained from Prof. Béatrice Desvergne (beatrice.desvergne@unil.ch), chair of the search committee. Confidentiality is guaranteed.

Applicants should send their curriculum vitae, a list of publications in which the five most significant ones are identified, a summary of the past, present and future research programme, and at least three names of reference by February 28th, 2011 for the attention of Prof. Patrick Francioli, Dean of the Faculty of Biology and Medicine, rue du Bugnon 21, CH-1011 Lausanne, Switzerland.

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