



Course on High-Resolution Respirometry

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Workshop on High-Resolution Respirometry and Mitochondrial Physiology

4 Feb 2007, Seoul, Korea



This first Workshop on High-Resolution Respirometry in Asia is held as a satellite workshop to the **4th ASMRM (Asian Society for Mitochondrial Research and Medicine): Mitochondria, Metabolism and Life 2007**. Starting with a technical overview of the specific features of the OROBOROS **Oxygraph-2k**, this workshop aims at introducing participants into the newest developments in high-resolution respirometry, whereas the main purpose is the presentation and discussion of experimental results obtained in general and clinical applications.

Time February 4th, 2007 (Sunday)
09:00 - 12:00 AM

Location Seminar room (6th fl) and Lab Rm # 6106, Seoul National University Hospital, Clinical Research Institute, 28 Yongon-Dong Chongno-Gu, Seoul 110-744, Korea.

Organizers **Hong Kyu Lee**, MD, PhD, Professor (hkleemd@snu.ac.kr); **Young Min Cho**, MD, PhD, Assistant Prof. (ymchomd@snu.ac.kr); **Soo Heon Kwak**, MD, PhD (shkwak@snu.ac.kr)
Department of Internal Medicine, Seoul National University College of Medicine, Seoul, Korea

Lecturer **Erich Gnaiger**, PhD, Prof. (erich.gnaiger@i-med.ac.at)
Medical University of Innsbruck, Dept. Transplant Surgery, D. Swarovski Research Laboratory, Innsbruck, Austria; and OROBOROS INSTRUMENTS, Innsbruck, Austria

Contact **Young Min Cho**, MD, PhD
Department of Internal Medicine Seoul National University Hospital
28 Yongon-Dong Chongno-Gu, Seoul 110-744, Korea
Phone: +82-2-2072-1965 Mobile: +82-16-223-5208
Email: ymchomd@snu.ac.kr

Programme

Sunday, 4. February

- 09:00** **Hong Kyu Lee:** Welcome and Introduction
- Topic 1: Developments in High-Resolution Respirometry**
- 09:30** **Erich Gnaiger:** Basic concepts of the OROBOROS Oxygraph-2k, and new features of DatLab 4.2.
- Topic 2: Critical Concepts in Functional Diagnosis of Mitochondrial Defects**
- 10:15** **Erich Gnaiger:** Respiratory capacity and coupling: Re-defining mitochondrial respiratory control in isolated mitochondria and permeabilized cells.
- 11:15** Presentation and discussion of case studies.
- 12:00** **Concluding remarks**

Further information <http://www.orooboros.at/index.php?nextcourse>
<http://www.orooboros.at/index.php?oxygraph>
<http://www.orooboros.at/index.php?o2k-protocols>

Contact

Erich Gnaiger, PhD
Medical University of Innsbruck
Department of Transplant Surgery
D. Swarovski Research Laboratory
Innrain 66/6
A-6020 Innsbruck, Austria
T +43 512 504 24623 (24626)
F +43 512 504 24625
Email erich.gnaiger@i-med.ac.at
<http://www.mitophysiology.org>

OROBOROS INSTRUMENTS
high-resolution respirometry

Oxygraph-2k



Schöpfstrasse 18
A-6020 Innsbruck, Austria
T/F +43 512 566796
Email instruments@orooboros.at
Homepage: <http://www.orooboros.at>
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