

Workshop on Oxidative Phosphorylation and Respirometry

Venue: Department of Biological Sciences, TIFR, Mumbai, India

Date: 31st January 2014

This workshop is being conducted by Prof. Erich Gnaiger (from Innsbruck Medical Institute and Oroboros instruments). He is not only a leader in respirometry but has also the credit of educating researchers about Bioenergetics, Electron Transport Chain and Oxidative Phosphorylation (OXPHOS), all over the world.

Program:

31st January

11.30-1.00PM: Session 1 (A-269)

4.00-7.00PM: Session 2 (AG-69/UK lab-B306)

Workshop Details

- *Introductory lectures*
- *Workshop on how to measure respiration and hydrogen peroxide production, as a function of oxygen concentration, substrate and coupling states. All calibrations and data analysis will be performed in real-time, such that the fundamental steps of the approach will be covered.*

A description of the demo experiment is summarized here, and this could be used as printed material for the participants (download pdf from here): » http://www.bioblast.at/index.php/MiPNet18.06_Amplex-Yeast

Prof. Gnaiger will bring copies of the introductory short textbook as a handout to the O2k-Fluorometry participants: » http://www.orooboros.at/?Gnaiger_2012_MitoPathways

*This is open to all the PIs, Students and Postdocs
Email to:*

mitochondria.mahabaleshwar2014@gmail.com

with the subject "workshop"

Or contact Ms. Nitya Mohan at B-306 (Ph. 2833)



Jointly organized by DBS, TIFR and Oroboros Instruments

