

# OROBOROS O2k-Workshop



Mitochondrial Physiology Network 22.05(01):1-4 (2017)

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Updates: [http://wiki.oroboros.at/index.php/MiPNet22.05\\_National\\_O2k-Workshop\\_Shanghai\\_CN](http://wiki.oroboros.at/index.php/MiPNet22.05_National_O2k-Workshop_Shanghai_CN)

## National O2k-Workshop on high-resolution respirometry & O2k-Fluorometry

**2017 May 13-14**  
**Shanghai, CN**

### Venue:

The Second Military Medical University (第二军医大学)  
800 Xiangyin Rd, Yangpu District  
Shanghai, China



### Host:

CN Beijing Zenda  
ZENDA Limited Liability Company,  
Putuo District, Shanghai, China

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## Lecturers and tutors

Name	Institution
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The **National O2k-Workshop** on high-resolution respirometry is held in cooperation with the O2k-Network Lab at **The Second Military Medical University (Shanghai)**. This O2k-Workshop presents a basic introduction to the **OROBOROS O2k-fluorometer** with integrated real-time data analysis.

## Programme

### 1 Saturday, May 13

Workshop Day 1		Weblink
08:45	Registration	
09:00-10:15	<b>General introduction to high-resolution respirometry and O2K-fluorometry, mitochondrial pathways and respiratory control.</b>	<a href="#">MiPNet 22.05</a>
	介绍 O2K 线粒体功能测定仪 · 线粒体代谢信号通道及呼吸调控机制等。	
10:15-10:30	Coffee/tea break 茶歇	
10:30-12:00	<b>Application in cardiovascular, neurological, metabolism and cell development research: selected literature examples.</b>	
	O2K 仪器在心血管、神经、代谢以及细胞发育等应用:研究实例。	
12:00-13:00	Lunch 午餐	
13:30-15:00	<b>Demo-Experiment:</b> Phosphorylation intervention on cellular respiration	
	演示实验：如何干预细胞氧化磷酸化	
15:00-15:15	Coffee/tea break 茶歇	
15:15-17:30	<b>Demo-Experiment:</b> Determination of metabolic flux control ratios in isolated mitochondria.	
	演示实验：线粒体呼吸控制率的测定	

### 2 Sunday, May 14

Workshop Day 1		Weblink
09:00-11:00	<b>Demo-Experiment:</b> HRR and H <sub>2</sub> O <sub>2</sub> production detection by fluorometry.	
	呼吸和荧光(过氧化氢) 同步测定	

## Recommended reading

» [http://wiki.orooboros.at/index.php/IOC\\_recommended\\_reading](http://wiki.orooboros.at/index.php/IOC_recommended_reading)