



# Mitochondria, Metabolism and Energetics

## 38th Mahabaleshwar Seminar



January 27, 2014		
2.00-3.00 PM	Registration/check-in	
<b>Session 1 (3.00pm-7.15pm) Chair: Carlos Moraes</b>		
3.00-3.30 PM	Welcome address by Eric Verdin/Ullas Kolthur	
3.30-4.30 PM	Plenary talk by Prof. Douglas Wallace	
4.30-4.45 PM	Coffee/Tea	
4.45-5.15 PM	Raghu Padinjat	<b>Regulation of mitochondrial function and growth by TRPM channels</b>
5.15-5.45 PM	Richa Rikhy	<b>Developmental control of mitochondrial morphology</b>
5.45-6.15 PM	Sudip Mandal	
6.15-6.45 PM	Narayan Avadhani	<b>Epigenetic Mechanisms of Mitochondrial Retrograde Signaling Induced Gene Expression and Telomere Maintenance</b>
6.45-7.15 PM	Richard Scarpulla	<b>PRC, a coactivator of mitochondrial function and sensor of metabolic stress</b>
7.15-7.45 PM	Respirometry Workshop: Session-1	
7.45-9.00 PM	Dinner	

January 28, 2014		
7.30-8.30 AM	Break fast	
<b>Session 2 (8.30am-1.00pm) Chair: Raghu Padinjat</b>		
8.30-9.00 AM	Eric Verdin	<b>Mitochondrial Protein Acylation and Metabolic Regulation</b>
9.00-9.30 AM	Tina Wenz	<b>Lysine acetylation – a novel regulatory mechanism for OXPHOS assembly and stability?</b>
9.30-10.00 AM	Ullas Kolthur	<b>NAD-dependent Sirtuin and Nuclear-Mitochondrial interplay</b>
10.00-10.15 AM	Ravi Sundaresan	<b>Mitochondrial SIRT3 deacetylase controls tissue fibrosis via GSK3<math>\beta</math> kinase</b>
10.15-11.45 AM	Poster Session-1 with Coffee/Tea	
11.45-1.00 PM	Panel Discussion-1	<b>Mitochondrial Morphology and Functions (Discussion Leaders: Raghu Padnijat, Richa Rikhy and Sudip Mandal)</b>
1.00-2.00 PM	Lunch	
2.00-7.30 PM	Sight seeing	
7.30-10.00 PM	Banquet	

January 29, 2014		
7.30-8.30 AM	Break fast	
<b>Session 3 (8.30 am-12.30 pm) Chair: Richard Scarpulla and Narayan Avadhani</b>		
8.30-9.00 AM	Kaustav Datta	<b>Mitochondrial ribosome function/assembly: Regulation by accessory factors in <i>Saccharomyces cerevisiae</i></b>
9.00-9.30 AM	Arnab Mukhyopadhyay	<b>Dieting from within: Novel kinases involved in Dietary Restriction-mediated longevity</b>

9.30-10.00 AM	Michael Ristow	<b>Promotion of metabolic health and lifespan by transiently increasing oxidation stress</b>
10.00-10.15 AM	Short Talk-1	
10.15-10.30 AM	Short Talk-2	
10.30-10.45 AM	Coffee/Tea	
10.45-11.15 AM	Bharath Srinivas	<b>Mitochondrial alterations and oxidative stress in a mouse model of muscle degeneration: Implications for muscle pathologies</b>
11.15-11.45 AM	Gayathri Narayanappa	<b>Mitochondrial disorders : Pathology of skeletal muscle tissue</b>
11.45-12.15 PM	Erich Gnaiger	<b>Conserved Mitochondrial Coupling Efficiency and Adaptive Substrate Control in Inuit and Caucasians: Adaptation and Acclimatization to High-Latitude in Comparison to High-Altitude</b>
12.15-12.30 PM	Tamilselvan Jayavelu	<b>Unaided autophagy is not sufficient to determine mitochondrial quality control in adipose tissue of diet-induced diabetic mice</b>
12.30-2.00 PM	Lunch	
<b>Session 4 (2.00am-7.00pm) and (9.00pm-10.00pm) Chair: Michael Ristow</b>		
2.00-4.00 PM	Poster Session-2 with Coffee/Tea	
4.00-5.15 PM	Panel Discussion-2	<b>Nuclear-Mitochondrial crosstalk: from Synchrony to ROS (Discussion leaders: Michael Ristow, Narayan Avadhani and Richard Scarpulla)</b>
5.15-5.45 PM	Carlos Moraes	<b>Genetic Therapy for Mitochondrial DNA Disorders</b>
5.45-6.15 PM	Sagar Sengupta	<b>Functions of RECQL4 and p53 in mitochondria</b>
6.15-6.45 PM	Shyamal Goswami	<b>SG2NA recruits DJ-1 and Akt into the mitochondria and plasma membrane to protect cells from oxidative stress</b>
6.45-7.00 PM	Short Talk-3	
7.00-8.00 PM	Visit to local market	
8.00-9.00 PM	Dinner	
9.00-10.00 PM	Respirometry Workshop: Session-2	

January 30, 2014		
7.30-8.45 AM	Break fast	
<b>Session 5 (2.00am-7.00pm) Chair: Shyamal K. Goswami</b>		
8.45-9.45 AM	Panel Discussion-3	<b>Cellular Mitochondrial Heterogeneity: From mtDNA to functions (Discussion leaders: Douglas Wallace, Tina Wenz and Carlos Moraes)</b>
9.45-10.00 AM	Short Talk-4	
10.00-10.15 AM	Short Talk-5	
10.15-10.45 AM	High tea	
10.45-11.30 AM	Respirometry Workshop: Session-3	
11.30-12.00	Concluding remarks	
12.00-1.00 PM	Lunch	
1.00 PM	Bus leaves for Pune/Mumbai	

**Organizers:** Ullas Kolthur Seetharam, Eric Verdin, Richa Rikhy