



Department of Zoology,  
Savitribai Phule Pune University



International Symposium on Recent Trends in Comparative Endocrinology  
and Physiology: from Brain to Behaviour

under of Auspices of Indian Society for Comparative Endocrinology

Scientific Program

<b>Day 1: Thursday, 12<sup>th</sup> October 2023 (Sessions I – IV)</b>		
<b>Session I</b>		
9.00 – 9.30 am		<b>Registration</b>
9.30 – 10.30 am		<b>Inauguration</b>
10.30 – 11.00 am – Tea Break		
<b>Session II – Chairpersons: Prof. Matt Vijayan &amp; Prof. Adelino Canario</b>		
11.00 – 11.45 am	<b>Inaugural Lecture</b>	<b>Hamid Habibi</b> Thyroid hormone control of reproduction in fish
11.45 am– 12.25 pm	<b>Plenary Lecture</b>	<b>Rakesh Tyagi</b> Preclinical evaluation of small molecule modulators on nuclear receptor PXR platform
12.25 – 12.50 pm	<b>Invited Lecture</b>	<b>Maria Thaker</b> Stress, Sex and Survival: the behavioural endocrinology of wild lizards
12.50 – 2.30 pm – Lunch Break/ Poster presentation		
<b>Session III – Chairpersons: Prof. Nishikant Subhedar &amp; Prof. Bechan Lal</b>		
2.30 – 3.10 pm	<b>Plenary Lecture</b>	<b>Subeer Mujumdar</b> Dissociation of endocrine and cellular dysfunction to pinpoint male infertility: role of signalling molecules and microRNA
3.10 – 3.35 pm	<b>Invited Lecture</b>	<b>G. Umopathy</b> Conservation physiology: Scope and Applications in Conservation of Endangered Species
3.35 – 4.00 pm		<b>Tea break</b>
<b>Session IV – Chairpersons: Prof. Saroj Ghaskadbi &amp; Prof. Deborah Power</b>		

4.00 – 5.30 pm	<b>Oral presentation of research papers</b>	
5.30 – 6.10 pm	<b>Plenary Lecture</b>	<b>M.C. Subhash Peter</b> Nitric oxide integrates stress-responsive neuroendocrine receptor expression in developing zebrafish larvae
6.30 – 8.00 pm	<b>Cultural activity</b>	
8.00 – 9.00 pm	<b>Dinner</b>	
<b>Day 2: Friday, 13<sup>th</sup> October 2023 (Sessions V – VIII)</b>		
<b>Session V – Chairpersons: Prof. Umesh Rai &amp; Prof. Hamid Habibi</b>		
9.30 – 10.15 am	<b>Keynote Address</b>	<b>Matt Vijayan</b> Cellular and molecular mechanism tolerance: Role of neuroendocrine stress axis
10.15 – 10.55 am	<b>Plenary Lecture</b>	<b>Adelino Canario</b> Linking metabolism and reproduction: a role for somatostatin
10.55 – 11.20 am	<b>Invited Lecture</b>	<b>Laxmi Inamdar</b> Stanozolol (anabolic - androgenic steroid) impedes embryo implantation by attenuating endometrial receptivity in the mouse, <i>Mus musculus</i>
<b>11.20 – 11.40 am – Tea Break</b>		
<b>Session VI – Chairpersons: Prof. Rakesh Tyagi &amp; Prof. Sudipta Maitra</b>		
11.40 am– 12.20 pm	<b>Plenary Lecture</b>	<b>Vinod Kumar</b> Neural control of daily and seasonal behaviours in latitudinal avian migrants
12.20 – 12.45 pm	<b>Invited Lecture</b>	<b>Amul Sakharkar</b> Neuropeptidergic system in lateral hypothalamus serves in reward and reinforcement
<b>12.45 – 2.00 pm – Lunch Break/ Poster presentation</b>		
<b>Session VII – Chairpersons: Prof. Ameeta Ravikumar &amp; Prof. Smita Zinjarde</b>		
2.00 – 2.45 pm	<b>Keynote Address</b>	<b>Deborah Power</b> Central and local regulatory processes: Modulate Shell Homeostasis and Building in Bivalves

2.45 – 3.25 pm	Plenary Lecture	<b>Malini Laloraya</b> Cognition and spatial memory dysfunction in PCOS- a consequence of altered brain wiring?
3.25 – 3.50 pm	Invited Lecture	<b>C. B. Ganesh</b> Opioidergic regulation of stress and reproduction in the gecko <i>Hemidactylus frenatus</i>
<b>3.50 – 4.10 pm – Tea break</b>		
<b>Session VIII – Chairpersons: Prof. Arun Jadhao &amp; Prof. Vinod Kumar</b>		
4.10 – 5.30 pm	<b>Oral presentation of research papers</b>	
5.30 – 6.10 pm	Plenary Lecture	<b>Vance Trudeau</b> Multifactorial neuroendocrine control of reproduction in teleosts
6.10 – 6.35 pm	Invited Lecture	<b>Christopher Leary</b> Polyploidization and the evolution of hormonal phenotypes in the gray treefrog complex
6.40 – 7.30 pm	<b>General body meeting of ISCE</b>	
8.00 – 10.00 pm	<b>Banquet Dinner</b>	
<b>Day 3: Saturday, 14<sup>th</sup> October 2023 (Sessions IX – XI)</b>		
<b>Session IX – Chairpersons: Prof. Malini Laloraya &amp; Dr. Richa Ashma</b>		
9.15 – 10.00 am	Keynote Address	<b>Suaraj Unniappan</b> Nesfatin-1-Like Peptide Regulation of Endocrine and Metabolic Processes in Mice
10.00 – 10.40 am	Plenary Lecture	<b>Sudipta Maitra</b> A molecular insight into gonadotropin-mediated zebrafish ovulatory response
10.40 – 11.05 am	Invited Lecture	<b>Suresh Yenugu</b> Role of Sperm Associated Antigen 11 A (Spag11a) in epididymal carcinogenesis
<b>11.05 – 11.20 am – Tea Break</b>		
<b>Session X – Chairpersons: Prof. Radhakrishna Pandit &amp; Dr. Amul Sakharkar</b>		

<b>11.20 am – 12.00 Noon</b>	<b>Plenary Lecture</b>	<b>Moses Inbaraj</b> Exploring the Neuroendocrine regulation of Sex reversal in Fishes
<b>12.01 – 12.25</b>	<b>Invited Lecture</b>	<b>Praful Singru</b> The central regulation of energy balance: a comparison between mammalian and bird models
<b>12.25 – 1.00 pm</b>	<b>Plenary Lecture</b>	<b>Herbert Herzog</b> Distinct arcuate NPY neuronal population control feeding depending on energy status
<b>1.00 – 2.00 pm – Lunch Break</b>		
<b>Session XI – Chairpersons: Prof. Kalpana Pai &amp; Prof. Varsha Wankhede</b>		
<b>2.00 – 3.30 pm</b>	<b>Oral presentation of research papers</b>	
<b>3.30 – 3.55 pm</b>	<b>Invited Lecture</b>	<b>Subhash Rajpurohit</b> Two tales of drought handling: life of a generalist and life of a specialist
<b>4.30 – 5.30 PM – Valedictory</b>		