



Department of Zoology, Savitribai Phule Pune



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

Day 1: Thursday, 12th October 2023 (Sessions I – IV)		
Session I		
9.00 – 9.30 am		Registration
9.30 – 10.30 am		Inauguration
10.30 – 11.00 am – Tea Break		
Session II – Chairpersons: Prof. Matt Vijayan & Prof. Adelino Canario		
11.00 – 11.45 am	Inaugural Lecture	Hamid Habibi Thyroid hormone control of reproduction in fish
11.45 am– 12.25 pm	Plenary Lecture	Rakesh Tyagi Preclinical evaluation of small molecule modulators on nuclear receptor PXR platform
12.25 – 12.50 pm	Invited Lecture	Maria Thaker Stress, Sex and Survival: the behavioural endocrinology of wild lizards
12.50 – 2.30 pm – Lunch Break/ Poster presentation		
Session III – Chairpersons: Prof. Rakesh Tyagi & Prof. Moses Inbaraj		
2.30 – 3.10 pm	Plenary Lecture	Subeer Mujumdar Dissociation of endocrine and cellular dysfunction to pinpoint male infertility: role of signalling molecules and microRNA
3.10 – 3.35 pm	Invited Lecture	Govindhaswamy Umapathy Conservation physiology: Scope and Applications in Conservation of Endangered Species
3.35 – 4.00 pm		Tea break
Session IV – Chairpersons: Dr. Richa Ashma & Prof. Shobha Bhargava		
4.00 – 5.30 pm		Oral presentation of research papers
5.30 – 6.10 pm	Plenary Lecture	M.C. Subhash Peter Nitric oxide integrates stress-responsive neuroendocrine receptor expression in developing zebrafish larvae
6.30 – 8.00 pm		Cultural activity
8.00 – 9.00 pm		Dinner

Day 2: Friday, 13th October 2023 (Sessions V – VIII)		
Session V – Chairpersons: Prof. Umesh Rai & Prof. Hamid Habibi		
9.30 – 10.15 am	Keynote Address	Matt Vijayan Multifactorial control of stress-related behaviour by HPI axis activation in zebrafish
10.15 – 10.55 am	Plenary Lecture	Adelino Canario Linking metabolism and reproduction: a role for somatostatin
10.55 – 11.20 am	Invited Lecture	Laxmi Inamdar Sexually dimorphic expression of AMH facilitates the testis differentiation pathway in the tropical lizard, <i>Calotes versicolor</i> (Daud.)
11.20 – 11.40 am – Tea Break		
Session VI – Chairpersons: Prof. Bechan Lal & Dr. G. Umapathy		
11.40 am– 12.20 pm	Plenary Lecture	Vinod Kumar Neural control of daily and seasonal behaviours in latitudinal avian migrants
12.20 – 12.45 pm	Invited Lecture	Dr. Jitendra Sundaray Impact of triflumezopyrim on DNA damage in freshwater carp (<i>Labeo rohita</i>): A bioinformatics and molecular approach
12.45 – 2.00 pm – Lunch Break/ Poster presentation		
Session VII – Chairpersons: Prof. Ameeta Ravikumar & Prof. Smita Zinjarde		
2.00 – 2.45 pm	Keynote Address	Deborah Power Central and local regulatory processes modulate shell homeostasis and building in Bivalves
2.45 – 3.25 pm	Plenary Lecture	Raghav Mishra The Impairing Effects of Sub-Chronic Psychological Stress on Testicular Germ Cell Dynamics, Sexual Vigor, and Penile Erection in Adult Rats
3.25 – 3.50 pm	Invited Lecture	C. B. Ganesh Opioidergic regulation of stress and reproduction in the gecko <i>Hemidactylus frenatus</i>
3.50 – 4.10 pm – Tea break		
Session VIII – Chairpersons: Prof. Arun Jadhao & Prof. Vinod Kumar		
4.10 – 5.30 pm	Oral presentation of research papers	
5.30 – 6.10 pm	Plenary Lecture	Vance Trudeau Multifactorial neuroendocrine control of reproduction in teleosts
6.10 – 6.35 pm	Invited Lecture	Christopher Leary Polyploidization and the evolution of hormonal phenotypes in the gray treefrog complex
6.40 – 7.30 pm	General body meeting of ISCE	

8.00 – 10.00 pm	Banquet Dinner	
Day 3: Saturday, 14th October 2023 (Sessions IX – XI)		
Session IX – Chairpersons: Prof. Saroj Ghaskadbi & Prof. Chandra Mohini Chaturvedi		
9.15 – 10.00 am	Keynote Address	Suraj Unniappan Nesfatin-1-Like Peptide Regulation of Endocrine and Metabolic Processes in Mice
10.00 – 10.40 am	Plenary Lecture	Sudipta Maitra A molecular insight into gonadotropin-mediated zebrafish ovulatory response
10.40 – 11.05 am	Invited Lecture	Dadasaheb Kokare Chronic unpredictable stress induced motivation deficit and epigenetic changes associated with BDNF gene were reversed by application of deep brain stimulation at LH-MFB
11.05 – 11.20 am – Tea Break		
Session X – Chairpersons: Prof. Radhakrishna Pandit & Dr. Jitendra Sundaray		
11.20 am – 12.00 Noon	Plenary Lecture	Moses Inbaraj Exploring the neuroendocrine regulation of sex reversal in fishes
12.01 – 12.25	Invited Lecture	Praful Singru The central regulation of energy balance: a comparison between mammalian and bird models
12.25 – 1.00 pm	Plenary Lecture	Herbert Herzog Distinct arcuate NPY neuronal population control feeding depending on energy status
1.00 – 2.00 pm – Lunch Break		
Session XI – Chairpersons: Prof. Kalpana Pai & Prof. Varsha Wankhede		
2.00 – 3.30 pm	Oral presentation of research papers	
3.30 – 3.55 pm	Invited Lecture	Amul Sakharkar Neuropeptidergic system in lateral hypothalamus serves in reward and reinforcement
4.30 – 5.30 PM – Valedictory		