

Program at a glance

Day 1: 17 March 2024 (Sunday)	
14:00 – 17:30 ECR WORKSHOP 16:00 – 16:30 Registration in Atal Sabhagaar	19:30 – 22:00 Welcome dinner
Day 2: 18 March 2024 (Monday)	
09:00 – 10:35 ISAE Symposium 1	10:35 – 11:15 Tea/ Coffee Break Poster display
11:15 – 12:30 Inauguration	12:30 – 13:30 Inaugural Lunch
13:30-13:45 Special address (Sir B. K. Follett)	13:45- 15:50 Symposium 1
15:50 – 16:15 Tea/ Coffee Break Poster session	16:15 -18:20 Symposium 2
20:00 – 21:30 Dinner	
Day 3: 19 March 2024 (Tuesday)	
09:00 – 10:05 Plenary Lecture 1	10:05 – 10:30 Tea/ Coffee Break Poster session
10:30 - 12:25 Symposium 3	12:25 – 13:30 Lunch Break and Poster session
13:30- 15:35 Symposium 4	15:35 pm - 16:00 Tea/Coffee Break Poster session
16:00 – 18:05 Symposium 5	18:15-19:15 ISAE Board Meeting
20:00 – 21:30 Dinner	
Day 4: 20 March 2024 (Wednesday)	
Excursion: Day-long excursion trip to New Delhi, and special dinner	
Day 5: 21 March 2024 (Thursday)	
09:00 – 10:05 Plenary Lecture 2	10:05 – 10:30 Tea/ Coffee Break Poster session
10:30 – 12:35 Symposium 6	12:35 – 13:30 Lunch Break and Poster Session
13:30 - 15:35 Symposium 7	15:35-16:15 Group Photo Tea/ Coffee Break Poster session
16:15 – 17:00 ISAE Symposium 2	17:10 – 18:00 Public Talk
20:00-21:30 Dinner	
Day 6: 22 March 2024 (Friday)	
09:00 – 10:05 Plenary Lecture 3	10:05 – 10:30 Tea/ Coffee Break Poster session
10:30 – 12:15 Symposium 8	12:15 – 13:30 Lunch Break
13:30 -15:35 Symposium 09	15:35 - 16:00 Tea/ Coffee Break Poster session
16:00 – 17:20 ISAE symposium 3	19:30 – 19:45 Presentation of Farner Medal
19:45- 23:00: Valedictory and Banquet	
Day 7: 23 March 2023 - Departure	



13th International Symposium on Avian Endocrinology 2024

March 17-22, 2024

Department of Zoology, Chaudhary Charan Singh University, Meerut, U.P., India

PROGRAM SCHEDULE

(Venue: "Atal Sabhagaar", Ch. Charan Singh University, Meerut)

Day 1: 17 March 2024 (Sunday)

12:30 – 13:30: Lunch (served at your place of stay)

REGISTRATION: In **Atal Sabhagaar** (16:00 - 16:30)

ECR Workshop (14:00 – 17:30)	14:00 -15:00	Simone L. Meddle, University of Edinburgh, UK
	15:00 -16:00	Dipesh Chaudhury, New York University, Abu Dhabi
	16:00 - 16:30	Tea/ Coffee Break, and Poster display
	16:30-17:30	Michael Lehman, Editor-in-Chief, Journal of Neuroendocrinology

19:30 – 22:00 Welcome Dinner (in Hotel Harmony Inn)

Day 2: 18 March 2024 (Monday)

Session	Time	Speaker	Title
ISAE Symposium 1 Avian Endocrinology: The Past, Present, and Future (Time: 09:00 – 10:35)	09:00 – 09:05	<i>Introduction to the Symposium by Chairs: Chandra Mohini Chaturvedi, Vinod Kumar</i>	
	09:05 – 10:05	John C. Wingfield	The International Symposium on Avian Endocrinology, 1977-2024: Past, Present and Future
	10:05 – 10:35	Asha Chandola-Saklani	Avian Endocrinology: The Indian contribution

10:35 – 11:15 Tea/ Coffee Break, and **Poster display**

11:15 – 12:30: INAUGURATION

12:30 – 13:30: Inaugural Lunch (in Atal Sabhagaar)

13:30 – 13:45: Special address: Sir Brian K. Follett (Intro: Gregory F. Ball) - Online

Symposium 1: Reproductive (neuro)- endocrinology in songbirds (Time: 13:45- 15:50)	13:45- 13:50	Introduction to the symposium by Chairs: Gregory F. Ball, Jacques Balthazart	
	13:50 – 14:20	Gregory F. Ball	Neuroendocrine regulation of song in male and female songbirds
	14:20 – 14:50	Gaurav Majumdar	Lights...Hormones...Action! In Neuroplasticity of songbirds
	14:50 – 15:20	Simone L. Meddle	Breeding on top of the world: Environmental regulation of reproduction and the neuroendocrine system in wild songbirds.
	15:20 – 15:50	Jacques Balthazart	Photoperiodism, steroids and adult neurogenesis in canaries
15:50 – 16:15: Tea/Coffee Break, and POSTER SESSION			
Symposium 2: Seasonality in birds: Food, movement and reproduction (Time: 16:15-18:20)	16:15 -16:20	Introduction to the symposium by Chairs: Amit Kumar Trivedi, Ram Pratap Singh, Sangeeta Rani	
	16:20 – 16:50	Sangeeta Rani	Insights into the regulation of spring migration in songbirds
	16:50 – 17:20	Anand Shanker Dixit	Neuroendocrine basis of photoperiodic control of seasonal reproduction in the Eurasian tree sparrow
	17:20– 17:50	Ram Pratap Singh	The role of the male cloacal gland foam in reproductive success in Japanese quail (<i>Coturnix japonica</i>)
	17:50 – 18:20	Amit Kumar Trivedi	Temperature-dependent photoperiodic modulations in male tree sparrows (<i>Passer montanus</i>)
20:00 – 21:30 Dinner			
Day 3: 19 March 2024 (Tuesday)			
Plenary Lecture 1	09:00 – 10:05	Prof. Dr. Manfred Gahr (Intro: Vinod Kumar)	Hormonal control of bird song during development and in adulthood.
10:05-10:30: Tea/Coffee Break, and POSTER SESSION			
Symposium 3: Neuroendocrinology of behavioral phenotypes (Time: 10:30 - 12:25)	10:30 - 10:35	Introduction to the symposium by Chairs: Farrah N. Madison, Christine R. Lattin	
	10:35 – 11:05	Wayne J. Kuenzel (online)	Importance of the septal brain region in the neuroendocrine regulation of reproduction and stress.
	11:05 – 11:35	Farrah N. Madison	Phenotypic variation in follistatin mRNA expression in Gouldian finches.
	11:35 – 12:05	Christine R. Lattin	Individual differences in hippocampal transcriptomes in neophobic and non-neophobic house sparrows.
	12:05 – 12:25	Marie Hébert	Circulating sex-steroid dynamics in relation to nest building in the zebra finch, <i>Taeniopygia guttata</i>
12:25 – 13:30: Lunch Break, and POSTER SESSION			

Symposium 4: Avian endocrine responses to global change and their potential consequences (Time: 13:30- 15:35)	13:30- 13:35	Introduction to the symposium by Chairs: Mylene Mariette, Haruka Wada	
	13:35 – 14:05	Mylene Mariette	Embryonic responses to sound: implications for avian adaptation to global change
	14:05 – 14:35	Maren Vitousek	Swallows in a changing world: how increasingly variable temperatures influence endocrine regulation and thermoregulatory performance
	14:35 – 15:05	Michaela Hau	Can stress hormones help animals cope with a changing climate?
	15:05 – 15:35	Jenny Ouyang	Evolution of endocrine traits in an urbanizing world
15:35 - 16:00: Tea/Coffee Break, and POSTER SESSION			
Symposium 5: Environmental impacts on endocrine programming (Time: 16:00 – 18:05)	16:00 – 16:05	Introduction to the symposium by Chairs: Virginie Canoine, Kate Buchanan	
	16:05 – 16:35	Virginie Canoine	Environmental Challenges affecting endocrine states in breeding bird species and next generation
	16:35 – 17:05	Kate Buchanan	Embryonic programming in the zebra finch: maternal effects may provide adaptive cues.
	17:05 – 17:35	Frederic Angelier	Organismal and fitness consequences of developmental exposure to corticosterone in the house sparrow.
	17:35 – 18:05	Victoria Coutts	Developmental food restriction and its downstream effects on the adrenocortical response, downstream glucose physiology, and fitness indices
18:15 – 19:15: ISAE Board meeting			
20:00 – 21:30: Dinner			
Day 4: 20 March 2024 (Wednesday)			
Excursion: Day-long excursion trip to NEW DELHI Special Dinner: 19:30 – 22:30 at Sanskriti Resort, Meerut Bypass Road, Meerut			
Day 5: 21 March 2024 (Thursday)			
Plenary Lecture 2	09:00 –10:05	Prof. Dr. Scott MacDougall-Shackleton (Intro: Vinod Kumar)	Ontogeny of sex differences in songbird neuroethology and endocrinology
10:05– 10:30: Tea/Coffee Break, and POSTER SESSION			
Symposium 6: Multifunctional Roles of Glucocorticoids (Time: 10:30 – 12:35)	10:30 – 10:35	Introduction to the symposium by Chairs: Laura E Ellestad, Gregory S. Fraley	
	10:35 – 11:05	Laura E. Ellestad (online)	Developmental and metabolic impacts of glucocorticoids in poultry
	11:05 – 11:35	Sami Dridi	Water usage and water homeostasis regulation in heat-stressed broilers
	11:35 – 12:05	Celiwe Ngcamphalala	Too stressed to care: wild birds in captivity do not show any faecal glucocorticoid metabolite responses to heat exposure

	12:05 – 12:35	Gregory S. Fraley	Potential epigenetic effects of heat stress on ACTH response in F1 offspring of breeder Pekin ducks.
12:35 – 13:30: Lunch Break, and POSTER SESSION			
Symposium 7: Advances in endocrine clock mechanisms (Time: 13:30 - 15:35)	13:30 - 13:35	Introduction to the symposium by Chairs: Aakansha Sharma, Tyler Stevenson	
	13:35 – 14:05	Aakansha Sharma	Seasonal metabolic plasticity and differential diurnal metabolic support in obligate migratory buntings
	14:05 – 14:35	Kevin Pham	Stress resilience to circadian rhythm disruption in the zebra finch (<i>Taeniopygia castanotis</i>)
	14:35 -15:05	Leonida Fusani	An overview of endocrine mechanisms related to seasonal avian migration
	15:05 – 15:35	Tyler Stevenson	Light detection by Vertebrate Ancient Opsin in the bird brain
15:35 - 16:15: <i>Group Photo</i>; Tea/Coffee Break, and POSTER SESSION			
ISAE Symposium 2 (Time: 16:15 – 17:00)		Chairs: Dinesh Bhatt, Anand S. Dixit	
	16:15 – 16:45	Tom E. Porter	Transcriptional profiling of chicken embryonic pituitary cells by single-cell RNA sequencing
	16:45 - 17:00	Ádám Z. Lendvai	Maternal amino acid triggers post-natal developmental programming
PUBLIC TALK: 17:10 – 18:00 by Mewa Singh (intro: Vinod Kumar)			
20:00-21:30: Dinner			
Day 6: 22 March 2024 (Friday)			
Plenary Lecture 3	09:00 – 10:05	Prof. Dr. Marilyn Ramenofsky (Intro: Vinod Kumar)	Migration: how do birds integrate environmental cues for long-distance travel?
10:05 - 10:30: Tea/Coffee Break, and POSTER SESSION			
Symposium 8: Impact of light characteristics on the somatic and reproductive axes (Time: 10:30 – 12:15)	10:30 – 10:35	Introduction to the symposium by Chairs: Grégory Bédécarrats, Gaurav Majumdar	
	10:35 – 11:05	Clara Ziezold	Impact of light spectrum and intensity on female turkey (<i>Meleagris gallopavo</i>) gonadal maturation and egg production
	11:05 – 11:35	Grégory Bédécarrats	Overview of deep brain photoreception and the control of reproduction
	11:35 – 11:55	Neelu Anand Jha	Circadian underpinning of singing and associated behaviours in zebra finches
	11:55 – 12:15	Amaan Buniyaadi	Illuminated night negatively affects cognitive performance by attenuating nocturnal melatonin levels in diurnal Indian house crows

12:15 – 13:30: Lunch Break, and POSTER SESSION			
Symposium 09: Avian endocrinology tools for coping with global change: a discussion (Time: 13:30 -15:35)	13:30 -13:35	Introduction to the symposium by Chairs: Jamie Cornelius, Dongming Li, Marilyn Ramenofsky	
	13:35 – 14:05	Dongming Li (online)	Thriving in extreme and changing environments of Eurasian tree sparrows: Neuro-endocrinological aspects
	14:05 – 14:35	Jamie Cornelius	Timing mismatches, carryover effects, and the roles of endocrine mechanisms in determining birds' responses to environmental change
	14:35 – 15:05	Andrew McKechnie	Thermoregulation, behaviour and stress physiology in a warming world
	15:05 – 15:35	Ton G.G. Groothuis	Hormone mediated maternal effects as a tool for climate adaptation?
15:35 - 16:00: Tea/Coffee Break and POSTER SESSION			
ISAE symposium 3 (Time: 16:00 – 17:20)		Chairs: Chandana Haldar, Neelu Jain Gupta	
	16:00 – 16:20	Neelu Jain Gupta	Inter-Organ differences in mitochondrial dynamics, apoptosis and cellular metabolism in night-migratory songbird, Redheaded bunting
	16:20 – 16:40	Rashmi Srivastava	<i>Withania somnifera</i> ameliorating effect on expression of Estrogen receptor alpha in photorefractory stress physiology of male Japanese quail: implications in apoptosis and fertility
	16:40-17:00	Neeraj Kumar	Mechanisms of hormone mediated parent-offspring conflict
	17:00 -17:20	Robin Vijayan	Birdsongs, individual variation and gene flow in an endemic species in the Shola Sky Islands
19:30 – 19:45: Presentation of Farner Medal 19:45 – 23:00: Valedictory and Banquet (in La Flora Resort, Garh Road, Meerut)			
Day 7: 23 March 2023 - Departure			
<ul style="list-style-type: none"> • The registration desk will remain open during Tea/ Coffee Breaks on all days. • Talks: Plenary - 50+10 min; Symposium - 25+5 min or 17+3 min • Power point must be uploaded during breaks a day before the scheduled talk. • Dinner will be served at your place of stay unless specified otherwise. 			

Poster Presentations

Poster display timing- 17 March 2024: 16:00 – 16:30; 18 March 2024: 10:35 – 11:15

Note:

1. The poster display area is 150 X 110 cm (width x height) on a poster board (180 x 120 cm; width x height).
2. Display your poster at your allotted space only (as per the poster number).
3. The materials required for the poster display will be available.
4. The presenters are required to be present at their posters during the session breaks.
5. A committee will evaluate your poster presentation for the poster awards.

Poster Number	Presenter	Title
P1	Timothy Adam Liddle	The transcriptomic architecture of avian photoperiodism is dependent on seasonality and age in the Japanese quail (<i>Coturnix japonica</i>)
P2	Ruth Lalpekhlu	Photic and non-photoc reproductive responses in white-rumped munia (<i>Lonchura striata</i>)
P3	Subu Yattung	Annual reproduction linked changes in steroidogenic markers in the hypothalamus and testes of tree sparrow (<i>Passer montanus</i>)
P4	Marlene Oefe	Thyroid hormones enhance mitochondrial function during zebra finch development
P5	Masaki Kato	Novel hypothalamic factor, neurosecretory protein GM, induces fat accumulation in Japanese quail
P6	Jalyn Devereaux	Reproductive and glucocorticoid response to winter climate trials in captive red crossbills
P7	Jessica Karr	Metabolic and acute stress responses to abrupt cold acclimation in a nomadic songbird
P8	Shirin Fatima	Endogenous regulation of behavior, physiology and immune parameters in spotted munia (<i>Lonchura punctulata</i>)
P9	Huda Naaz	Say hello in the morning and goodbye in the evening to sun: an observational study on starlings
P10	Khushboo Chaturvedi	Exogenous T3 hormone administration altered clock-controlled behavior and physiology in redheaded buntings
P11	Vaibhav Vaish	Environmental perturbation through food restriction: Effect on sleep behavior and physiology of redheaded buntings
P12	Anit Kumar	Selective upregulation of hematocrit and BCAAs support escalated metabolism during migration in buntings
P13	Jaseem Akram	Influence of colored light at night on behavior and physiology of night migratory redheaded buntings
P14	Nidhi Yadav	Light at night negatively affects the nest building and egg laying in subsequent clutches in adult zebra finches
P15	Shikha Malik	Influence of artificial light at night on hormones in birds: A meta-analysis study

P16	Namram S. Singh	Oxidative stress and reproduction in Purple moorhen (<i>Prophyrio porphyrio</i>)
P17	Ashwani Kumar	Cognition in an urban habitat: Effects of light and noise pollution on sleep quality, and cognitive performance in diurnal zebra finches
P18	Mayank Kumar	Effect of shift in light-dark schedules on daily activity, sleep and feeding behaviour in adult male zebra finches
P19	Louisa-Mae Kosin	The effects of a light during incubation on white leghorn layer chick development and behaviour
P20	Zothanmawii Renthlei	Effect of urban environment on daily and seasonal processes: An avian perspective