

DAY 1: November 15, 2024	
Venue: Miranda House College, University of Delhi	
8:00 AM-9:00 AM	REGISTRATION
9:00 AM -11:15 AM	INAUGURAL CEREMONY: AUDITORIUM
PLENARY SESSION-1, AUDITORIUM, 15.11.2024 <i>Human Healthcare and Industry-Academia Collaborations</i>	
Chairpersons: Dr. Alfredo Ulloa-Aguirre, Prof. Rakesh Bhatnagar	
11.15 AM - 11.45 AM	Inaugural Lecture Prof. Balam Bhargava , MD, FNAsc, FAMS, FRCP Former Director General, ICMR, New Delhi Struggle to Success Story: COVID Vaccine Development in India
11:45 AM - 12:15 PM	PL: Dr. Kapil Maithal , President-Zyudus Lifesciences (Formerly Cadila Healthcare) Vaccines in Public Health and Industrial Perspective in Vaccine Development
12:15 PM - 12:35 PM	PL: Dr. Eric Reiter , Director, UMR PRC, INRAE, CNRS, Université de Tours, France Industry Vs Academic Research
12:35 PM - 1:15 PM	Panel discussion on Industry-Academia Collaborations: Moderator: Dr. Alok Dhawan , Director, Centre of Bio Medical Research, Lucknow
1:15 PM - 2:00 PM	LUNCH
SCIENTIFIC SESSION-1, AUDITORIUM, 15.11.2024 <i>Modulators of Fertility</i>	
Chairpersons: Prof. A V Ramachandran, Prof. Satish Gupta, Dr. Alok Dhawan	
2:00 PM - 2:30 PM	Award Lecture: Prof. Pera Govindarajulu Endowment Gold Medal Oration Prof. Rita Singh , University of Delhi Environmental Estrogens, Immunomodulation and Fertility
2:30 PM - 3:00 PM	PL: Dr. (Col) Pankaj Talwar , VSM, President, IFS Male Infertility-An Enigma
3:00 PM - 3:30 PM	PL: Prof. Alfredo Ulloa-Aguirre , Mexico Misfolding and Defective Intracellular Traffic of Pathogenic Variants of the Gonadotropin-releasing Hormone Receptor and Follicle-stimulating Hormone Receptor Leading to Hypogonadism
3:30 PM - 4:30 PM	<i>Tea/Coffee, Poster Session: Faculty and non-competitive PhD/MSc/BSc Students</i> Chairpersons: Dr. Sameer Gupta, Dr. Parth Pandya
SCIENTIFIC SESSION-2, AUDITORIUM, 15.11.2024 <i>Innovations in healthcare and therapeutics</i>	
Chairpersons: Prof. Rakesh Tyagi, Prof (Col) Pankaj Talwar	
4:30 PM-5:00 PM	PL: Dr. G. Taru Sharma , Hyderabad Contingency planning of the caprine fetal stem cells based therapeutic strategies
5:00 PM - 5:30 PM	PL: Dr. Eric Reiter , Tours, France Antibody Fragments for Controlling Reproduction Without Exogenous Hormone
5:30 PM - 6:00 PM	PL: Dr. Pascale Crépieux , Tours, France Gonadotropin Receptors and their Modulation by Intracellular Nanobodies
6:00 PM - 6:30 PM	IL: Prof. Rashmi Kaul , Oklahoma, USA Nano-diamonds as Potential Novel Therapeutics for Urinary Tract Infections
6:30 PM -6:50 PM	IL: Dr. Rajiv Pathni , IAF, Delhi Artificial Intelligence and the Myth of Objectivity by a Clinician
6:50 PM -7:50 PM	<i>Poster Session: Faculty and non-competitive PhD/MSc/BSc Students</i> Chairpersons: Dr. Jyoti Taneja, Dr. Shashank Maurya, Dr. Mamta Tripathy
6:50 PM - 7:50 PM	Executive committee meeting in Committee Room
8:00 PM Onwards	DINNER at the respective place of residence

DAY 1: November 15, 2024

SCIENTIFIC SESSION IA: MINI-AUDITORIUM, 15.11.2024

Reproduction and Mechanisms

Chairpersons: Dr. R. V. Devkar, Dr. Rashmi Kaul

5:00 PM-5:20PM	IL: Dr. Rupasri Ain , CSIR-IICB, Kolkata FOXO4 and its Transcriptional Target Inhibit Ferroptosis in Trophoblast Cells: Implications in IUGR
5:20 PM- 5:40 PM	IL: Dr. Chandra Shekar Prabhakar , CCMB, Hyderabad Actin dynamics Regulate Unilayer Hypoblast Formation in the Blastocyst
5:40 PM-6:00 PM	IL: Dr. Megha Kumar , CIR-CCMB, Hyderabad Mitotic regulators and Their Role in Cell Fate Specification & Organogenesis
6:00 PM-6:20 PM	IL: Dr. Ashish Gupta , SNU, Greater Noida The Other Side of the Mirror: Decoding the Moonlighting Functions of Nuclear Receptor
6:20 PM: 6:30 PM	IL: Dr. Sutapa Mukherjee , Visva-Bharati, Santiniketan Reproductive and Metabolic Toxicity Induced by Chronic Exposure to Low-dose Plasticizer
6.30 PM	<i>Executive committee meeting</i>
	<i>Dinner at the respective place of residence</i>

DAY 2: November 16, 2024**SCIENTIFIC SESSION-3 AUDITORIUM***Complex mechanisms of Reproductive Health***Chairpersons:** Dr. Smita Mahale, Prof. Michael Aruldas, Prof. Suresh Yenugu

9:00 AM - 9:30 AM	Award lecture Prof. Basappa B. Kaliwal Endowment Gold Medal Oration Dr. Srabani Mukherjee , NIRRCH, Mumbai PCOS: Metabolomics and Proteomic Cross Roads
9:30 AM - 10:00 AM	Prof. Akbarsha-Prof. Michael Aruldas Endowment Gold medal oration Dr. R. Ilangoan , IBMC Taramani, Chennai siRNA-Mediated Inhibition of Wnt/ β -catenin pathway: A Potential Therapeutic Strategy for Metastatic Cervical Cancer
10:00 AM - 10:30 AM	PL: Dr. Shubha Phadke , Ex-President IAMG, India Becoming Mother in Genomic Era-Facing New Dilemmas
10:30 AM - 11:00 AM	PL: Prof. Suresh Mishra , MR College of Medicine, University of Manitoba, Canada Transgenic and Knock-in Mouse Models of Prohibitin-1 Revealed its Role in Sex-related Differences in Immunometabolism
11:00 AM - 11:30 AM	PL: Dr Mukesh Gupta , Director, ICMR-NARFBR, Hyderabad Spermatozoal RNA and its Relevance to Fertility
11:30 AM - 12:00 PM	<i>Tea/Coffee and PhD Competitive Poster session</i> Chairpersons: Dr. G. Umapathy, Dr. Amaresh Singh, Dr. Anjali Nawani

SCIENTIFIC SESSION- 4, AUDITORIUM, 16.11.2024*Pregnancy and Complications***Chairpersons:** Prof. Suresh Mishra, Prof. Tej Pandita

12:00 PM - 12:20 PM	PL: Prof Uday Kishore , Oxford, UK & UAE University, UAE Complement and Endometriosis
12:20 PM-12:50 PM	PL: Dr. Geetanjali Sachdeva , NIRRCH-Mumbai New Insights into the Pathogenesis of Endometriosis.
12:50 PM - 1:10 PM	PL: Dr. Naguib Bin Salleh , Faculty of Medicine, Malaysia Department of Physiology, Faculty of Medicine, Universiti Malaya, Malaysia Ion Channels in Endometrium and their Roles in Uterine Fluid Regulation and Embryo Implantation
1:10 PM - 1:30 PM	IL: Dr Taruna Madan , ICMR, Delhi Proteomics of Circulating Placental Exosomes: Potential Predictive Biomarkers of Early Onset Preeclampsia
1:30 PM - 1:50 PM	IL: Dr. Deepak Modi , NIRRCH, Mumbai An Organ-on-chip to Study the Human Placenta
1:50 PM- 2: 30 PM	<i>Lunch and Interaction</i>

SCIENTIFIC SESSION- 5, AUDITORIUM 16.11.2024 <i>Cancer, Mechanisms and Therapeutics</i>	
Chairpersons: Prof. B.C. Das, Prof. Sunit Singh	
2:30 PM-3:00 PM	PL: Dr Anurag Mehta , RGCI, Delhi Precision Oncology: Personalized Cancer Care Solution
3:00 PM-3:30 PM	PL: Dr Tej Pandita , USA Hyperthermia Impacts Human Health by Altering Chromatin Structure and DNA Damage Repair
3:30 PM-4:00 PM	IL: Prof. Anjana Munshi , CUP, Panjab Molecular biomarkers as targets for therapeutic interventions in monogenic and multifactorial disorders
4:00 PM-4:20 PM	IL: Prof. Gargi Bagchi , AIB, Noida GPR56 in Androgen Signaling and Prostate Cancer
4:20 PM-4:40 PM	IL: Dr. Mamta S.K. , UoH, Hyderabad Transforming Growth Factor- β and GDNF Receptor α -1: Crucial Signaling Molecules in Brain Regulation
4:50 PM-5:50 PM	<i>Tea/Coffee break and</i> Competitive PhD Poster Session (Presenter should be available) Chairpersons: Prof. Neeraja Sood, Prof. Rajni Arora, Dr Darshee Baxi, Dr. Rajalakshmi
STUDENT SESSION: N.J. CHINYOY BEST ORAL PRESENTATION COMPETITION AUDITORIUM 16.11.2024	
Chairpersons: Dr. Deepak Modi, Dr. Anurag Mehta	
05:50 PM - 06:00 PM	OP: Ayushi Chhabra Critical Amino Acid Residues in Nuclear Localization Signal Govern the Mitotic Genome Bookmarking of VDR
06:00 PM - 06:10 PM	OP: Helly Shah Tunneling Nanotubes in Breast Cancer: Implications of Doxorubicin Treatment
06:10 PM - 06:20 PM	OP: Harsh Shah Dietary Influence on Early Pubertal Onset: Neuropeptides and Ovarian Maturation
06:20 PM - 06:40 PM	OP: Snehal Bhingardev Epigenetic Regulation of miRNA by DNA Methylation Alters Actin Cytoskeleton pathway in PCOS
06:40 PM - 07:00 PM	OP: Reyon Dcunha Membrane lipid-based freezing medium reduces freeze-thaw-induced damage in spermatogonial germ cells of prepubertal testicular tissue
07:00 PM - 07:10 PM	OP: Sujata Mishra Evaluating the Transgenerational Epigenomic Toxicity of Valproic Acid, A HDAC Inhibitor
07:10 PM - 07:20 PM	OP: Agalya M Androgen-induced polycystic ovarian syndrome induces oxidative stress and impairs renal function in rats
07:20 PM - 08:30 PM	<i>Cultural Program and General Body Meeting in Auditorium</i>
08:30 PM - 10:00 PM	<i>Dinner</i>

DAY 2: November 16, 2024	
9:00 AM-12:00 PM	SESSION IN AUDITORIUM
SCIENTIFIC SESSION IIA: MINI-AUDITORIUM 16.11.2024 <i>Ovarian mechanisms, and PCOS</i>	
Chairpersons: Prof. Anita Jagota, Dr. Pascale Crépieux	
12:00 PM - 12:20 PM	IL: Dr. Deepa Bhartiya , Epigeneres Biotech Pvt Ltd, Mumbai Ovarian Stem Cell Dysfunction in PCOS
12:20 PM - 12:40 PM	IL: Dr. Malini Laloraya , RGCB, Kerela Recognizing Immune Dysfunction as a Risk Factor for PCOS Susceptibility- Possibilities of a New Approach towards PCOS Therapy
12:40 PM - 1:00 PM	YS-IL: Dr. Shaini Joseph , NIRRCH, Mumbai Identification of potential candidate genes associated with PCOS using gene prioritization and network analysis
1:00 PM-1:20 PM	YS-IL: Dr. Antara Banerjee , ICMR-NIRRCH, Mumbai Kisspeptins: diagnostic and therapeutic potential in human reproduction.
1:20 PM- 1:40 PM	YS-IL: Dr. Jyoti Taneja , DRC, Delhi Role of SRC family of Non-Receptor Tyrosine Kinases in Rat Ovarian Folliculogenesis.
1:40 PM-2:30 PM	<i>Lunch</i>
SCIENTIFIC SESSION IIB: MINI-AUDITORIUM 16.11.2024 <i>Animal Models, and National animal facilities</i>	
Chairpersons: Prof. K. Muralidhar, Dr B. Manivannan, Dr. Eric Reiter	
2:30 PM-3:00 PM	IL: Prof. A. S. Ansari , Department of Zoology, University of Rajasthan An Insight for Development of Reversible Inhibition of Sperm Under Guidance (risug®) as an Injectable Male Contraceptive
3:00 PM-3:20 PM	IL: Prof. Anita Jagota , Role of light in the regulation of Reproduction in Female Anophthalmic Mutant Rats
3:20 PM-3:50 PM	IL: Dr. Suresh Mishra , Professor, Max Rady College of Medicine, University of Manitoba, Canada Transgenic Animal Models
3:50 PM – 4:10 PM	IL: Dr. Mukesh Gupta , Director, ICMR-NARFBR, Genome Valley, Hyderabad National Animal Facilities in India
4.10 PM -4:20 PM	Oral presentation by Faculty member
4.20 PM -4:30 PM	Oral presentation by MSc/PhD student
4.30 PM -4:40 PM	Oral presentation by MSc/PhD student
4.40 PM -4:50 PM	Oral presentation by MSc/PhD student
4:50 PM-5:50 PM	<i>Tea/Coffee and Competitive PhD Poster Session (Presenter should be available)</i>

DAY 2: November 16, 2024	
09:00 AM-12:00 PM	COMMON SESSION IN AUDITORIUM, Tea/Coffee and Poster Viewing
SCIENTIFIC SESSION IIC: SEMINAR ROOM 16.11.2024 <i>Male Fertility and Mechanisms</i>	
Chairpersons: Dr. Asamanja Chatteraj, Dr. Gagandeep Kaur Gahlay	
12.00 PM-12:20 PM	PL: Dr. Pradeep Kumar , RGCB, Kerala Generation of Spermatozoa from Spermatogonial Stem Cells: An Update
12:20 PM-12:40 PM	IL: Dr. Giribabu Nelli , UoM, Malaysia Mechanisms Underlying Male Infertility: The Missing Links Between Vitamin D Deficiency, Obesity, and Hypothyroidism
12:40 PM-01:00 PM	IL: Dr. Kushaan Khambata , NIRRH, Mumbai Estrogen Receptors: Epigenetic Regulators of Spermatogenesis and Male Fertility
1:00 PM-1:20 PM	IL: Dr. Bhakti R Pathak , NIRRH, Mumbai Unraveling the Missing Link between Cysteine Rich Secretory Proteins and Sperm Calcium Homeostasis
1:20 PM-1:40 PM	IL: Dr. G. Umapathy , CCMB, Hyderabad The physiological stress responses of tigers with reference to tiger tourism in five tiger reserves of India
1:40 PM- 2:30 PM	<i>Lunch and Poster Session</i>
SCIENTIFIC SESSION IID: SEMINAR ROOM 16.11.2024 <i>Metabolic disorders, and therapeutics</i>	
Chairpersons: Dr. Pradeep Kumar, Dr. Gitanjali Sachadev	
2: 30 PM-2: 50 PM	IL: Dr A. Narayan Bhatt , INMAS-DRDO, Delhi Modification of metabolic cell signaling to gain radio-resistance and obviating Radio-protection
2: 50 PM-3:10 PM	IL: Prof. K. N. Saraswathy , DU, Delhi Genetic and Epigenetic of one carbon metabolism in pregnancy
3:10 PM-3:30 PM	IL: Dr. Dipty Singh , ICMR-NIRRH, Mumbai Idiopathic Recurrent Pregnancy Loss: Possible association with paternal exposure to endocrine disruptors and epigenetic modifications in sperm
3:30 PM-3:50 PM	IL: Dr. Surabhi Gupta , AIIMS, New Delhi Epigenetic Regulation of Epithelial to Mesenchymal Transition (EMT) in Trophoblast Differentiation: Implications in Preeclampsia
3:50 PM-4:20 PM	IL: Dr. Neelu Jain Gupta , Meerut University, UP Sleep-Time in Shift Work Disorder (SWD): A Potential Risk Factor to Comorbidities
4:20 PM-4:40 PM	YS-OP: Dr. Shruti R. Hansda , BHU, UP Impact of Melatonin on Reproductive Distresses
4:40 PM-5:40 PM	<i>Tea/Coffee break and</i> N.J. CHINYOY BEST POSTER PRESENTATION COMPETITION <i>Competitive PhD Poster Session (Presenter should be available)</i>
5:40 PM-7:00 PM	N.J. CHINYOY BEST ORAL PRESENTATION COMPETITION (PhD Students) IN AUDITORIUM
7:00 PM-7:15 PM	<i>Tea/ Coffee</i>
7:15 PM-8:30 PM	<i>General Body Meeting and Cultural Program, AUDITORIUM</i>
8:30 PM-10:00 PM	<i>Dinner</i>

DAY 3: November 17, 2024	
SCIENTIFIC SESSION-6, AUDITORIUM 17.11.2024 <i>Epigenetic Changes, Metabolic and Reproductive Health</i>	
Chairpersons: Prof. Oommen V. Oommen, Prof. M. A. Akbarsha, Dr. Mukesh Gupta	
9:00 AM-9:30 AM	Dr. P. Daisy Endowment Gold Medal Oration Dr. Divya L. Calicut, Kerala Exploring the Plasticity in the Eusocial Superorganism <i>Oecophylla smaragdina</i>
9:30 AM-10:00 AM	PL: Prof. Pikee Saxena, OBGYN, LHMC, New Delhi Focusing on Intrauterine Milieu for Primordial Prevention of Diabetes
10:00 AM-10:30 AM	PL: Prof. Rima Dada, DoA, AIIMS, New Delhi Effect of Yoga on Molecular, Metabolic and Clinical Profile in PCOS Women.
10:30 AM-11:00 AM	PL: Dr. Neeta Singh, OBGYN, AIIMS, New Delhi Declining Fertility: Is it a cause of Concern?
11:00 AM-11:30 AM	PL: Dr. Ashutosh Halder, DoRB, AIIMS, New Delhi Phenotypic and Genetic Heterogeneity in Primary Ovarian Failure
11:30 AM-12.30 PM	Tea and Poster Session: M.Sc./B.Sc. Students Competitive Session Chairpersons: Dr. Mona Sharma, Dr. Divya L. Dr S. Malini, Dr. Kavitha R. Thangaraj
SCIENTIFIC SESSION - 7, AUDITORIUM 17.11.2024 <i>Complexity of Reproductive Health</i>	
Chairpersons: Prof. Neeta Singh, Prof. Rima Dada, Prof. Pikee Saxena	
12:30 PM-12:50 PM	IL: Dr. Mona Sharma, DoRB, AIIMS, New Delhi Oocyte Health: Friends and Foes
12:50 PM-1:10 PM	IL: Dr. Roya Rozati, OBGYN, MHRT Hospital & Research Centre, Hyderabad Environmental Toxins in Reproductive Health
1:10 PM-1:30 PM	IL: Dr. Akhila Ayyagari, DNB-OBG ICOG (reproductive medicine), Hyderabad The Journey of IVF: A quick peek into the future
1:30 PM-1:50 PM	IL: Prof. Bijayalaxmi Nanda, MHC, Delhi Reproductive rights and new Reproductive Technologies
1:50 PM-2:40 PM	LUNCH
SCIENTIFIC SESSION-8, AUDITORIUM 17.11.2024 <i>Reproductive Health Issues</i>	
Chairpersons: Prof. Ashutosh Halder, Dr. Roya Rozati, Dr. Indrashis Bhattacharya	
2:40 PM-3:10 PM	PL: Prof. Anil Kaul, Clinical Professor, Oklahoma, USA & Director, Institute of Public Health, Hyderabad The Burden of Reproductive Tract Infections and the Importance of Diagnostic Tools
3:10 PM-3:30 PM	PL: Prof. R.S. Sharma, Sharda University, Uttar Pradesh Environmental Radiations and Human Health
3:30 PM-3:50 PM	IL: Dr. Beena Joshi, NIRRH, Mumbai Evidence Based Decision Making for Public Health Programs in India Using Health Technology Assessment
3:50 PM-4:10 PM	IL: Dr. K. G. Ananthamurthy, GITAM Bengaluru Development of a Multi-Disciplinary Toolkit to Study Time Cells in the Hippocampus
4:10 PM-4:15 PM	Tea/Coffee
4:15 PM-5.30 PM	Valedictory Function
	Departure of Delegates

DAY 3: November 17, 2024	
Scientific Session IIIA: Mini-Auditorium 17.11.2024 <i>Contraceptive Options</i>	
Chairpersons: Prof. Tej Pandita, Dr. Suresh Mishra	
12:00 PM-12:40 PM	PL: Prof. K. Muralidhar , Jawaharlal Nehru Chair Professor, School of Life Sciences, University of Hyderabad Struggle to success stories of Eminent scientists in India
12:40 PM-1:10 PM	PL: Prof. N. K. Lohiya , NASI Senior Scientist, University of Rajasthan; President, ISSRF Contraceptive Options and Way Forward
1:10 PM-1:30 PM	PL: Dr. S. K. Gupta , NII, Delhi Contraceptive Strategies for Wild Life Management
1:30 PM -2: 00 PM	Panel Discussion on Contraceptive Options Q & A by Students Moderator: Prof. A. S. Ansari, Rajasthan University
Scientific Session IIIB: Mini-Auditorium 17.11.2024 <i>New Technologies and Discoveries</i>	
Chairpersons: Dr. T. G. Shrivastav, Prof. K. N. Saraswathy	
2:30 PM-3: 00 PM	PL: Prof. Mohammad Abdulkader Akbarsha , Research coordinator, National College, Tiruchirappalli, Tamil Nadu Journey of a Reproductive Biologist: Witness to some Fascinating Stories through the Lens.
3:00 PM-3:20 PM	IL: Prof. Mahima Kaushik , CIC, DU, Delhi Nanotherapeutics and their Role in Developing Innovative Healthcare System
3:20 PM-3:40 PM	IL: Dr. Sunil K Srivastav , SSC, DU, Delhi Nanobiotechnology Platforms for Production of Diagnostics, Vaccines and Therapeutics in Public Health by Deploying Plant Viral Nanoparticles
3:40 PM-3:55PM	IL: Dr. Sankarganesh Devaraj , VIT, Tamilnadu In-silico Evaluation of Putative Maternal Semiochemicals of Pigs with Receptor Proteins
3:55 PM-4:15PM	IL: Dr. P. Venkataraman , SRM MCH, Chennai Aerobic exercise and Obesity in Adolescents: Clinical Insights into miRNA and Cytokine Changes

DAY 3: November 17, 2024	
SCIENTIFIC SESSION-IIIC: SEMINAR ROOM 17.11.2024 <i>Mechanisms Involved in Cancer</i>	
Chairpersons: Dr. B. Ravi Sankar, Dr. Malini Laloraya	
12:00 PM-12:15 PM	IL: Dr. Rajesh Kumar , NIH-FW, Delhi Abnormalities in sex hormones and sexual dysfunction in males with diabetes mellitus: A mechanistic insight
12:15 PM-12:30 PM	YS-IL: Dr. Kavitha R Thangaraj , SRIHER, Chennai Role of Gasotransmitters in the Development of Colorectal Cancer: Impact of Mitochondria
12:30 PM-12:45 PM	YS-IL: Dr. Arnab Banerjee , BITS, Goa Adipocyte Mediated Endometrial Cancer Progression by the Activation of the SIRT1-HMMR Axis
12:45 PM-1:00 PM	YS-IL: Dr. Anand Thiyagaraj , SRMIST, Chennai Identifying Potential Cancer Stem Cell Markers in Non-Small Lung Cancer Using A Machine-learning Approach
1:00 PM-1:15 PM	YS-IL: Dr. Satish Ramalingam , SRMIST, Chennai Posttranscriptional Regulation of Genes Involved in Carcinogenesis by RNA Binding Protein Pumilio1
1:15 PM-1:30 PM	YS-IL: Dr. Sivaramakrishnan V , SRMIST, Chennai Identifying the Association between PGRMC1-CK2 Signalling and their Crosstalk Inhibition in Lung Adenocarcinoma
1:30 PM-2:30 PM	LUNCH