

In Collaboration With



1st National Workshop cum CME

**2025**

# CLINICAL ANDROLOGY MEETS REPRODUCTIVE IMMUNOLOGY: A HANDS- ON CME WORKSHOP

Theme: Reproductive Immunology

📅 28 & 29<sup>th</sup> November 2025



## Hands-On Workshops

- Immunological Barriers to Pregnancy
- Basic & Advanced Sperm Preparation Techniques
- Density Gradient Centrifugation & Microfluidics
- Sperm DNA Fragmentation Testing
- Hyaluronic Binding Assay

## Who Should Register?

UG, PG Students, Young Researchers, Clinicians and Faculty Members, Government/UGC-recognized colleges/Universities

## Organized By:

Department of Clinical Embryology & Reproductive Genetics, USAHS  
**Rayat Bahra University**, Mohali.  
V.P.O. Sahauran, Tehsil Kharar, Distt. Mohali, Punjab-140104, INDIA

## HELPLINE NUMBERS

8872521900 | 7837777011

embryology@rayatbahrauniversity.edu.in

www.originlife.org.in/rbuniversity

# CLINICAL ANDROLOGY MEETS REPRODUCTIVE IMMUNOLOGY

A Hands-on CME Workshop

# 2025

## Key Speakers



**Dr. Satish K Gupta**

Ph.D. (AIIMS), FNA, FNASc,  
FAMS  
Former Deputy Director  
National Institute of Immunology



**Dr. Sunil K Arora**

Professor of Eminence  
Former HOD & Professor  
PGIMER, Chandigarh



**Dr. Alka Sehgal**

MD, DNB, Former Professor  
and Head Obst & Gynae  
GMCH 32, Chandigarh



**Dr. Umesh Jindal**

Director & Senior Consultant  
Jindal IVF, Chandigarh



**Dr. Surjeet Kumar**

Senior Embryologist,  
Vardaan Medical Centre



**Dr. Vakil Jagveer Singh**

Clinical Application Manager  
Cooper Surgical



**Dr. Prabhneet Kaur**

MBBS, MS (Obs & Gynae)  
Fellowship in Clinical ART  
Consultant - Jindal IVF, Chandigarh



**Ms. Aditi Shirsat**

Clinical Application Scientist  
Cooper Surgical



**Dr. Harjeet kaur**

Chief Embryologist  
Aashakiran IVF



**Dr. Sunaina Jaswal**

Junior Scientist  
Origin LIFE Healthcare  
Chandigarh

## Organizing Committee



**Ms. Dipneet Kaur**

Head - Department of Clinical  
Embryology & Reproductive Genetics  
Director - Origin LIFE  
Chandigarh

Dr. Surekha Manhas - Organizing Secretary  
Dr. Sunaina Jaswal - Co- Organizing Secretary  
Dr. Jyoti Sarwan  
Mrs. Priyanka Sharma  
Ms. Pallavi Sharma  
Mrs. Kanishka  
Dr. Deepu  
Mr. Ashwani Kumar

SCAN TO REGISTER



<https://forms.gle/161cT9aJBDfiZiqYA>

**LIMITED SEATS**

**Registrations Open**

Register before the slots are full

Students: B.Sc, M.Sc Medical  
PhD, Faculty Members, Clinicians

# CLINICAL ANDROLOGY MEETS REPRODUCTIVE IMMUNOLOGY

A Hands-on CME Workshop

# 2025



**Chief Patron**

**Mr. Gurvinder Singh Bahra**

Hon'ble Chancellor  
Rayat-Bahra University



**Patron**

**Prof. (Dr.) Sanjay Kumar**

Group Vice-Chancellor  
Rayat-Bahra Group



**Co Patron**

**Prof. (Dr.) Satish Kumar**

Pro Vice-Chancellor, Academics  
Rayat-Bahra Group



**General Chair and Convener**

**Prof. (Dr.) Sunil K. Arora**

Professor of Eminence  
Department of CERG  
Rayat-Bahra University



**Session Chair**

**Ms. Dipneet Kaur**

Director Origin Life Healthcare  
Solutions LLP  
Head - Department of CERG  
Rayat-Bahra University



**Organizing Secretary**

**Dr. Surekha Manhas**

Assistant Professor, Department of  
CERG  
Rayat Bahra University



**Co-organizing Secretary**

**Dr. Sunaina Jaswal**

Assistant Prof., Junior Research Scientist  
Department of CERG (Origin LIFE)



**Treasurer & Hospitality In-charge**

**Mr. Ashwani Kumar**

Marketing & Public Relations

## About the University

### RAYAT-BAHRA UNIVERSITY

**Rayat Bahra University (RBU)** is established under Punjab Act no. 16 of 2014 vide notification no. 17-leg/2014 dated 13th August 2014 and notified by UGC under section 22 of the UGC Act 1956, is empowered to award degrees vide letter No. 8-23/2014 (CPP-I/PU Dated 26th Sept 2014 by University Grant Commission (UGC)). Just within the vicinity of the city beautiful Chandigarh, and well within the reach of the facilities of the city stands the thriving campus of Rayat Bahra University (RBU).

The university has Engineering, Pharmaceutical Sciences, Dentistry, Management, Hospitality, Agriculture, Nursing, and Law Schools of Excellence. The university offers a choice-based flexible learning system, enabling an interdisciplinary approach for learners to learn at their own pace and choose electives from other available courses as well as to take up some additional/value-added courses to increase their skills/employability.



## About the Department

### DEPARTMENT OF CLINICAL EMBRYOLOGY & REPRODUCTIVE GENETICS

RBU values the importance of new-age curriculum and keeps adding an industrial blend with academics as per future trends in emerging medical sciences. Origin LIFE, Chandigarh in association with Rayat-Bahra University introduced "Department of Clinical Embryology & Reproductive Genetics (CERG)" under the guidance of Dr. S. S. Gill Founded by Ms. Dipneet Kaur in 2022, Under the **University School of Allied Health Sciences, RBU.**

Department of Clinical Embryology & Reproductive Genetics is offering Doctorate, Post-graduation, under graduation, diploma, Value added Courses & short-term certification courses. We believe that practical exposure is indispensable for industry-level proficiency, complementing theoretical knowledge. Hands-on practical training will give extra mileage to the students as well as professionals in the Assisted Reproductive Technology (Embryology), Molecular Genetics and IVF field.

# Program: Day 1 : November 28, 2025

## Academic Sessions & Hands-on Training

Time	Activity	Speaker/Details
09:00 – 09:30 am	Registration & Welcome	All participants and guests
09:30 – 10:00 am	<b>Opening Ceremony:</b> Welcome Address-  Introduction to Program  Inaugural Address	Dr. Dipneet Kaur HoD & Director CERG-RBU Prof Sunil K. Arora Chair & Convener Chief Guest Dr Sanjay Kumar, Group VC-RBU
10:00 – 10:30 am	Lecture-1: Immune mechanisms in Infertility - an overview	Prof. Sunil K. Arora
10:30 – 11:10 am	Lecture 2: Human Fertilization and Infertility	Dr. Satish Kumar Gupta, PhD, FNA, FNASc, FASc, FAMS
11:10 – 11:40 am	High Tea & Networking	
11:40 – 12:20 noon	Lecture 3: Role of Cytokines/Growth Factors during Placentation and Preeclampsia	Dr. Satish Kumar Gupta
12:20 – 1:00 pm	Lecture 4: Current Practices in Clinical Embryology	Dr. Harjeet kaur
01:00 – 02:00 pm	Lunch Break	
02:00 – 02:25 pm	Lecture 5: Reproductive Immunology and Endocrinology	Dr Prabhneet Kaur
02:25 – 02:50 pm	Understanding semen analysis as per WHO 2020	Dr. Vakil Jagveer Singh
02:50 – 03:50 pm	Immunological Roadblocks to Successful Pregnancy- Lecture followed by Demonstration	Dr. Sunaina Jaswal & Ms. Monu Thakur
03:50 – 04:00 pm	Tea break	
04:00 – 05:00 pm	Panel Discussion I: Current Challenges in Infertility and Reproductive Immunology Moderator: Dr. Dipneet Kaur	Dr. Satish K. Gupta, Dr. Sunil K. Arora. Dr. Surjeet Kumar., Dr. Deepu

# Program: Day 2 : November 29, 2025

## Advanced Practical Modules & Discussions

Time	Activity	Speaker/Details
09:00 – 09:30 am	Welcome & Recap of Day 1	Dr. Dipneet Kaur
09:30 – 11:00 am	Sperm preparation techniques : basic to advance sperm preparation - Followed by hands on sperm preparation using density gradient centrifugation and Microfluidics sperm separation	Ms. Aditi Shirsat
11:00 – 11:15 am	Tea Break	
11:15 – 01:00 am	Sperm DNA fragmentation testing, Hyaluronic binding assay	Lecture by Dr. Vakil Jagveer Singh Practical by Ms. Aditi Shirsat
01:00 – 02:00 pm	Lunch Break	
02:00 – 03:00 pm	Workshop Continued...	Practical by Ms. Aditi Shirsat
03:00 – 03:30 pm	Lecture: AI in Infertility	Dr. Alka Sehgal
03:30 – 04:30 pm	Panel Discussion II: Future of Reproductive Genetics in India Moderator: Dr. Dipneet kaur	Dr. Umesh N Jindal, Dr. Alka Sehgal, Dr. Surjeet Kumar, Dr. Deepu, Dr. Harjeet Kaur.
04:30 – 05:00 pm	High Tea & Valedictory Session, Certificate Distribution, Vote of Thanks	Mr. G.S. Bahra - Chancellor

### Registration Details:

Students: INR 600 | (Limited Seats)

Faculty & Research Scholars: INR 900

Spot Registration: INR 1,200

REGISTRATION CHARGES INCLUDES:

WORKSHOP CERTIFICATES, HANDS-ON, LUNCH AND TEA FOR 2 DAYS

Last date to register: 20<sup>th</sup> November 2025

Reporting Time: 28<sup>th</sup> November 2025 | 08:30AM

### Venue:

Department of Clinical Embryology & Reproductive Genetics,  
University School of Allied Health Sciences,  
2nd Floor, Dental College and Hospital,

**Rayat Bahra University**, Mohali, Punjab – 140104

SCAN TO REGISTER

Register before the slots are full



<https://forms.gle/161cT9aJBDfiZiqYA>

www.originlife.org.in/rbuniversity  
embryology@rayatbahrauniversity.edu.in  
7888546127

### For any query Contact:

Ms. Gurwinder kaur: 8699936191 | Dr. Surekha Manhas : 9149652741 | Mr. Ashwani Kumar: 783777011