



**RAYAT-BAHRA
UNIVERSITY**



**PIONEERING EXCELLENCE IN
REPRODUCTIVE
HEALTHCARE**

At Rayat-Bahra University



UNIVERSITY SCHOOL OF ALLIED HEALTH SCIENCES



Department of Clinical Embryology & Reproductive Genetics

UNIVERSITY SCHOOL OF ALLIED HEALTH SCIENCES, RAYAT-BAHRA UNIVERSITY



About the University

Rayat-Bahra University (RBU) is NAAC accredited, 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 degree vide letter No. 8-23/2014 (CPPI/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 is providing quality education in the field of Reproductive Science, genetics, clinical embryology, Health, Allied Sciences, Agriculture, Nursing, Engineering, Pharmaceutical Sciences, Dentistry, Management, Hospitality, Education, Sciences, and Law Schools of Excellence. The university offers a choice based flexible learning system, enabling 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 employability skills.

To emerge as the top education institute and to reduce industry-academic gap RBU has entered into partnership with numerous companies and research institutes including Origin LIFE, IBM, Wipro, Zscaler, Mahindra, ITC, Infosys and Royal Enfield etc. RBU has extended its presence into medical field by establishing Bahra Hospital to provide medical services to the society.

About the Department

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, Rayat-Bahra University. 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. In November 2024, the department established a Microbiology Lab to provide students with hands-on experience and practical exposure to microbiological techniques.

Origin LIFE Healthcare Solutions & Research Centre LLP stands as a leading institute specializing in infertility/subfertility diagnostics and research, working since year 2019 in the heart of city beautiful Chandigarh, India. Origin LIFE has been conducting training courses in Biochemistry, Molecular Genetics and Bioinformatics techniques for the past several years. Origin LIFE also conducts symposiums and workshops for subfertility specialists and the general community. For trainings and placements Origin LIFE is having tie-ups with country's leading companies and hospitals working in the field of ART.

On completion of course, students would acquire skills to perform routine andrology, embryology, micromanipulation of gametes and embryos, cryopreservation of gametes, embryos, ovarian tissue and embryo culture that are performed in an IVF Centre & IVF research centre.



✓ **B.Sc. Hons.** (4 Years : 8 Semesters)
in Clinical Embryology & Reproductive Genetics
Eligibility: 10+2/12th boards with Physics, Chemistry, Biology or Bio+Math

✓ **M.Sc. Hons.** (2 Years : 4 Semesters)
in Clinical Embryology & Reproductive Genetics
Eligibility: B.Sc. in Life Sciences & Related Fields

✓ **PG Diploma** (1 Year : 2 Semesters)
in Clinical Embryology & Reproductive Genetics
Eligibility: M.Sc. in Life Sciences and related fields

✓ **Ph.D.** (3-5 Years, Semester System)
in Clinical Embryology
Eligibility: M.Sc. in Clinical embryology, Life Sciences or research Field



Admission Process: RBU Entrance Exam & Merit Based

Scope of Embryology

The ART Act 2021 passed by the Govt. of India mandates that embryologists working in an embryology/IVF laboratory should hold a master's degree. The above-mentioned courses fulfill this requirement, focusing specifically on clinical embryology and genetics, providing an advantage for those aspiring to pursue a career in embryology. Career prospects for embryologists include various opportunities in the field of reproductive medicine and assisted reproductive technologies (ART). Some potential career paths for embryologists are:

- IVF lab Director
- IVF lab Manager
- Clinical Embryologist - Senior/Junior
- Genetic Counsellor
- Research Scientist
- Academician
- Training & Development

Embryologists can find opportunities in various settings, including fertility clinics, hospitals, research institutions, and academic organizations. The field continues to evolve, creating new avenues for professionals to contribute to advancements in reproductive health and Technology.

DEPARTMENT HIGHLIGHTS

- State-of-the-Art Embryology Laboratory
- Qualified and Experienced Teachers
- Modern Classrooms
- Course curriculum as per National Education Policy 2020
- We focus more on hands-on practice
- Concept Based Learning
- Collaboration with India's best IVF Centres
- We focus on holistic development of students by special focus on Sports, Extra-curricular activities and Educational trips
- Industrial Visits for Industrial Exposure
- Cutting Edge Technology Integration
- Time to time talks with Guest Lectures and hands-on practice by Industry Experts
- Placement opportunities for every student
- Innovative Research Initiatives



OUR LABS



EMBRYOLOGY LAB



MICROBIOLOGY LAB



OUR FACULTY MEMBERS



Ms. Dipneet Kaur
HOD/Director



Dr. Sunil K Arora
Visiting Professor of Eminence



Dr. Surjeet Kumar
Professor,
Senior Embryologist



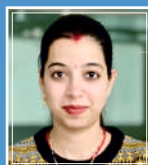
Dr. Sunil Kumar
Associate Professor &
Research Scientist



Emb. Priyanka Sharma
Assistant Professor,
Senior Embryologist



Dr. Jyoti Sarwan
Assistant Professor



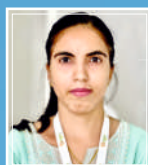
Mrs. Kanishka
Assistant Professor



Emb. Pallavi Sharma
Assistant Professor,
Junior Embryologist



Dr. Sunaina Jaswal
Assistant Professor and
Junior Scientist



Ms. Tanu
Assistant Professor

PLACEMENTS

from M.Sc. Batch 2022-24



"Our students are placed in leading IVF clinics, hospitals, and research centers across India and abroad, with top recruiters offering competitive packages and growth opportunities."



M.Sc. Clinical Embryology & Reproductive Genetics | Batch 2022-24



OUR INDUSTRY PARTNERS



IRCC Hospital, Panchkula



JNMC
Wardha



MOMSOON
Fertility & IVF Centre



Government
P G College,
Nahan



EMBRION
IVF Center & Women's Hospital



SPARSH
WOMEN HOSPITAL
THE HEALING TOUCH



IVF



MATRITAVA
Advanced IVF & Training Centre



The Bliss
IVF & GYNÆ CARE



IQBAL NURSING HOME & HOSPITAL



WINGS
WOMEN'S HOSPITAL
IVF ENDOSCOPY



Khushhi IVF
Happiness Begins Here





 **RAYAT-BAHRA**
UNIVERSITY

PURSUE YOUR DREAMS

Admission Helpline
78885 46127

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- 📍 **CAMPUS:** Chandigarh-Ropar NH 205, Greater Mohali, Kharar, Punjab
- 🌐 <https://originlife.org.in/rbuniversity/>
- ✉ embryology@rayatbahrauniversity.edu.in

