

RAUNAQ FATIMA

Lucknow, Uttar Pradesh, India

raunaqfatima110@gmail.com

OBJECTIVE

I am a biotechnology postgraduate with excellent research aptitudes. With strong hold on demonstrated ability to apply academic knowledge and laboratory expertise, I've gained scientific conclusions translated to human health and medicine. Looking forward for research opportunity in pathogenesis of lethal human diseases and treatment via novel drug development and procedure optimization for betterment of mankind.

EDUCATION

Jaypee Institute of Information Technology, Noida-62, India

2021

- Master of Technology, Biotechnology, CGPA: 8/10
- 2-year full-time program including 6 months of research in Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow, India.

Integral University, Lucknow, India

2019

- Bachelor of Technology, Biotechnology, CGPA: 6.52/10
- 4-year full-time program including 6 months of research in Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow, India.

PROJECTS & INTERNSHIP

Dissertation, Jaypee Institute of Information Technology, Noida-62, India

2021

- Part A: The research evaluates the cardiomyogenic potential of Amniotic Fluid derived MSCs originated from Isolated Fetal Cardiac Defective Fetuses in comparison to normal fetuses.
- Part B: Exploration of potential inhibitors of enzyme squalene monooxygenase from traditional herbal plants, to increase the production of adjuvant 'squalene'.

Dissertation, Integral University, Lucknow, India

2019

- The project involved the quantification of miRNAs from bone marrow samples of affected patients, to define disease-specific miRNAs.

Additional Projects

- Environmental issues related to Wastewater Management, Sanitation and Municipal Solid Wastewater Management: A Survey (**JiIT**)
- Biomaterials form Marine Waste (**JiIT**)
- *In-silico* study on Quorum Sensing in Body Implants (**JiIT**)

PUBLICATION

Jain, Manali, Neeta Singh, **Raunaq Fatima**, Aditya Nachanekar, Mandakini Pradhan, Soniya Nityanand, and Chandra Prakash Chaturvedi. "Amniotic fluid mesenchymal stromal cells derived from fetuses with isolated cardiac defects exhibit decreased proliferation and cardiomyogenic potential." *Biology* 12, no. 4 (2023): 552.

<https://doi.org/10.3390/biology12040552>

WORK EXPERIENCE

Nobiswright Pvt. Ltd.

April 2023 to April, 2024

Content Writing

- Conducting in-depth research on topics in order to develop original high-quality content.
- Developing creative and technical content for blogs, articles, product descriptions, social media and web pages.
- Proofreading, editing, and SEO optimization for content enhancement.

Xfinito Biodesigns Pvt. Ltd. (zeuron.ai)

June, 2022 to February, 2023

Research Associate

- Review analyses on patient record (diagnostic, therapeutic and nutritional aspects) of acute and chronic diseases for clinical management and product design.
- Demonstrated research experience in Active and Passive Gait Analysis for product development.
- Independent research on the development of digital cognitive games, phygital (physical-digital) cognitive games via Python and Flutter.

KEY SKILLS

- **Animal Cell Culture:** Amniotic fluid, Bone marrow, Umbilical cord blood & Cardiomyogenic cells, cryopreservation and cell reviving
- **Molecular Biology Techniques:** RNA & DNA isolation and culture, PCR, RT-PCR, Thin Layer chromatography, UV & Nanodrop spectroscopy
- **Immunological Technique:** Immunocytochemistry
- **Cell Biology Techniques:** Flow cytometry, adipogenic, osteogenic and chondrogenic differentiation, growth kinetics
- **Bioinformatics Tools:** Molecular docking by AutoDock and UCSF Chimera, Cygwin, Discovery Studio
- **Programming/Software Proficiency:** Python, Dart on Flutter, MIT App Inventor, XL sheet and MS Office, Statistical analysis software
- **Writing:** Creative and technical writing and editing, scientific writing, SEO optimization
- **Soft/Interpersonal Skills:** Good laboratory practices, critical thinking/problem solving, attention to details, communication, teamwork, mentoring, networking and collaboration

ACCOMPLISHMENTS

- Selected as campus ambassador of the Axalta campaign organized by IIT DELHI.
- Volunteered as Manufacturing food safety supervisor (FSSAI).
- Training in Stem Cell Research Center & Department of Hematology, SGPGIMS, Lucknow (2019 and 2021).
- Volunteered in National Social Services (NSS)
- Volunteered for NGOs-Seva Sankalp, Old-Age Organization and Blood Donation Organization
- Participated in a one-day training program on 'Food Safety Management System' by the HALAL SHARIAT ISLAMIC LAW BOARD
- Participated and Won in Literary and Technical events. Active participant in SPORTS (won trophies)
- Selected as a top Department Cricket player and team leader in table-tennis
- Participated in InQUIZitive and QUIZZARD

PERSONAL PROFILE

Date of Birth	:	22-03-1996
Father's Name	:	Syed Qamrul Hasan Naqvi
Sex	:	Female
Marital Status	:	Single
Nationality	:	Indian
Domicile	:	Lucknow, Uttar Pradesh
Language Known	:	English, Hindi, Urdu.

DECLARATION

I hereby declare that all the details furnished above are true to the best of my knowledge and belief.

Raunaq Fatima