

Rohan Nath

Riverdale, IISER Boy's Hostel 1, Khodasinghi, Berhampur - 760010

 RohanNathHERE |  Rohan_Nath_ |  Rohan Nath |  Portfolio
 rohann20@iiserbpr.ac.in |  rohan.nath.here@gmail.com |  +91-7847882528 |  +91-7864944824

EDUCATION

2022 - present	Ph.D. (Ph.D. supervisor: Dr. Arunkumar Krishnan) Indian Institute of Science Education and Research, Berhampur	
2020 - 2022	M.S. Indian Institute of Science Education and Research, Berhampur	(CPI: 9.0/10.0)
2017 - 2020	B.Sc. (Zoology Honors) [Graduated with '1st Class Distinction'] University of Calcutta, Kolkata	(Percentage: 79.62%)
2017	CBSE DAV School, Siliguri	(Percentage: 91.8%)
2015	ICSE Mahbert High School, Siliguri	(Percentage: 90.0%)

ACADEMIC ACHIEVEMENTS

Competitive Examinations

- Qualified **GATE - XL** (2023)
- Qualified **JGEEBILS** written examination (2020)
- Qualified **NCBS Wildlife Biology and Conservation** written examination (2020)
- Secured AIR 238 in **IIT JAM – Biotechnology** (97.36 Percentile) (2020)
- Qualified **JNCASR Integrated PhD written test** in Biological Science (2020)

Awards

- **Best poster award** for poster presentation at the International Conference (CSDAB 2023) organised by IISER Berhampur (2023)
- **2nd position award** for poster presentation on 'Protection of the Ozone Layer' from the West Bengal Pollution Control Board (2017)

WORK EXPERIENCE

Teaching Assistant BIO402 - Bioinformatics BIO425 - Comparative and Evolutionary Genomics	Aug 2022 - Present
Treasurer International Society for Computational Biologist Regional Student Group-India	Jan 2023 - May 2023
Associate Editor Project Encephalon	Dec 2021 - Dec 2023

PROJECTS

Structural synapomorphies in lipid-binding GPCR (2022-present)

Supervisor: Dr. Arunkumar Krishnan

Evolution of lipid-binding GPCR (2022-present)

Supervisor: Dr. Arunkumar Krishnan

Behavioural Plasticity in *Drosophila melanogaster* (2021-2022)

Supervisor: Dr. Bodhisatta Nandy

SKILLS

Programming	Linux, Python, R, JAVA, C/C++, MATLAB, LaTeX, HTML, JavaScript, CSS, Git and GitHub, Parallel Computing
Computational Biology	Machine learning, Genome Annotation, Protein Domain Annotation, Genome/Transcriptome Assembly, Phylogenetic Analysis, Structural Biology (PyMol, ChimeraX, SAMSON), Pharmacology (GROMACS), Statistical Analysis
Molecular Biology	RT-PCR, PCR, SDS-PAGE and Western Blotting, DNA/RNA/Protein isolation and purification, Gene Cloning and Expression Analysis, Immunofluorescence Assay and Microscopy, <i>Drosophila melanogaster</i> handling
Graphic Design	Adobe Illustrator, Blender
Languages	English, Bengali, Hindi, Nepali

EXTRA-CURRICULAR ACTIVITIES

Volunteering	Volunteered to teach computer applications to underprivileged kids at Shanti Rani Rainbow Home, Kolkata
Marathon	Participated in 10K, 15K and 21K marathons
Sketching	

PUBLICATIONS

Nath, Rohan et al. (2024). “Evolutionary Dynamics of Lineage-Specific Class-A GPCR Subsets Reveal Widespread Chemosensory Roles and Adaptations in Lophotrochozoa”. In: *bioRxiv*, pp. 2024–07.