

Srishti Patil

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GENERAL INFORMATION

Date of Birth: February 11, 2000

Current Academic Position: Graduated with an integrated BS-MS degree

Research Interests: Computational Biology, Bioinformatics, Systems Biology, Mathematical and Computational Oncology

RESEARCH EXPERIENCE

Preventing evolutionary rescue in cancer

June 2022 – Present

Supervisor: Dr. Robert Noble

Institute: City, University of London, London

Impact of female mate copying on male morph dynamics

June 2021 – June 2022

Supervisor: Prof. Chaitanya Gokhale

Institute: Max-Planck Institute for Evolutionary Biology, Plön

Customizing TRex for aerial imagery of blackbucks

June 2021 – August 2021

Supervisor: Dr. Vishvesha Guttal

Institute: IISc, Bangalore

Modelling evolution of cooperation among agents in a structured population

January 2021 – May 2021

Supervisor: Dr. M.S. Santhanam

Institute: IISER, Pune

Search for Right-Handed Neutrinos

October 2019 – July 2020

Supervisor: Dr. Sourabh Dube

Institute: IISER, Pune

PREPRINTS AND PUBLICATIONS

- Impact of female mate copying on male morph dynamics; **Srishti Patil**, Sabine Nöbel, Chaitanya S. Gokhale; bioRxiv 2022.09.13.507757; doi: <https://doi.org/10.1101/2022.09.13.507757>
- Preventing evolutionary rescue in cancer; **Srishti Patil**, Yannick Viossat, Robert John Noble; bioRxiv 2023.11.22.568336; doi: <https://doi.org/10.1101/2023.11.22.568336>

AWARDS, SCHOLARSHIPS AND GRANTS

- Travel award for [NGSchool2023](#) in Otwock, Poland
- ACE Pilot Project Grant (2022) - Research grant with Dr. Robert Noble (City, University of London)
- Travel award for the 10th IMO Workshop (2022) at the Moffitt Cancer Center in Tampa, Florida
- KVPY Fellowship (2018-2023) awarded by DST (Govt. of India)
- IISER Pune - IDEaS Scholarship (2019)

PROFESSIONAL AFFILIATIONS

- NGSchool Society** - Member (September 2023 – Present)

EDUCATION

Indian Institute of Science Education and Research

Pune, Maharashtra

Bachelor of Science - Master of Science (Specialization in Mathematics)

Aug. 2018 – May 2023

The Shishukunj International School

Indore, MP

High School

Aug. 2013 – May 2018

TECHNICAL SKILLS

Languages: Python, R, C/C++, HTML/CSS

Software: Git/Github, ROOT, TRex, NetLogo, Phylip, Adobe Illustrator, Adobe Photoshop

Others: L^AT_EX, GNU/Linux