

Srishti Patil

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General Information

Date of Birth February 11, 2000
Academic Status First-year doctoral student
Interests Computational Biology, Bioinformatics, Systems Biology

Education

2024 – Present **Doctoral student**, *Division of Theoretical Systems Biology, Deutsches Krebsforschungszentrum*, Heidelberg, Germany
2018 – 2023 **Bachelor of Science, Master of Science**, *Indian Institute of Science Education and Research*, Pune, India

Preprints

2023 Preventing evolutionary rescue in cancer; **Srishti Patil**, Yannick Viossat, Robert John Noble; [bioRxiv 2023.11.22.568336](https://doi.org/10.1101/2023.11.22.568336)
2022 Impact of female mate copying on male morph dynamics; **Srishti Patil**, Sabine Nöbel, Chaitanya S. Gokhale; [bioRxiv 2022.09.13.507757](https://doi.org/10.1101/2022.09.13.507757)

Research Experience

Jun 2022 – May 2023 **Mathematical modelling of extinction therapy: preventing evolutionary rescue in cancer populations (Master thesis, 74 pages)**, *City, University of London*, London, UK
Supervisor: Dr. Robert Noble
Jun 2021 – Jun 2022 **Impact of female mate copying on male morph dynamics**, *Max-Planck Institute for Evolutionary Biology*, Plön, Germany
Supervisor: Prof. Chaitanya Gokhale
Jun 2021 – Aug 2021 **Customizing TRex for aerial imagery of blackbucks**, *Indian Institute of Science*, Bangalore, India
Supervisor: Dr. Vishwesh Guttal
Jan 2021 – May 2021 **Evolution of cooperation in structured populations**, *Indian Institute of Science Education and Research*, Pune, India
Supervisor: Dr. M.S. Santhanam

Awards & Grants

2022 Arizona Cancer Evolution Center (ACE) Pilot Project Grant with Dr. Robert Noble
2018–2023 KVPY Fellowship by Department of Science and Technology, Govt. of India
2019 IDEas Scholarship by Indian Institute of Science Education and Research, Pune

Affiliations

2023 – Present Member, [NGSchool Society](https://www.ngschool.org/)