

Shabduli Arjun Sawant

sasawan4@asu.edu
Phone: +91 9869102356

EDUCATION

MS Biological Sciences Indian Institute of Science Education and Research
2018-2021 (IISER), Mohali

BSc. Biotechnology SIES College, Mumbai (University of Mumbai)
2015-2018

RESEARCH EXPERIENCE

Junior Research Fellow : Examining the relationship between gene inversions and mutation rates in bacteria

IISER Thiruvananthapuram (2021-2022)

Master of Science Thesis : Understanding the role of Mutually Exclusive Exons in the functional regulation of Pyruvate Kinase M

IISER Mohali (2020-2021)

Research Internship : Understanding the role of structure-function dynamics in nearly identical length splice variants using computational biology approaches

IISER Mohali (2019-2020)

Research Internship : Establishing protein-protein interactions in membrane trafficking

IISER Mohali (2018-2019)

Bachelor of Science Thesis : Studying the effect of siderophore-producing plant growth promoting *Rhizobacteria* (PGPR) on plant growth in heavy metal contaminated soil

SIES College, Mumbai (2017-2018)

EXPERIMENTAL & COMPUTATIONAL SKILLS

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|------------------------|--------------------------------|
| 1) Molecular Biology | 2) Programming in Python and R |
| 3) Confocal Microscopy | 4) Comparative Genomics |
| 5) Microbiology | 6) Protein Structure Analysis |

CONFERENCES & TRAINING

Frontier Symposium in Biology - FS-BIO (2022)

IISER Thiruvananthapuram

Genome Biology Workshop - Computational analysis of whole genome sequence data (2022)

Heidelberg University and IISER Thiruvananthapuram (Online)

Ensembl Workshop - Comparative Genomics (2022)

European Bioinformatics Institute (Online)

India|EMBO Symposium - Engineering meets evolution: Designing biological systems (2020)

IIT Madras

All India Cell Biology Conference - AICBC (2019)

IISER Mohali

NATIONAL ENTRANCE TESTS

IIT Joint Admission Test for M.Sc. (JAM) **Biological Sciences (2018) All India Rank - 344**

IIT Joint Admission Test for M.Sc. (JAM) **Biotechnology (2018) All India Rank - 482**