

BEVAN STANELY

Researcher

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WHO AM I?

I am a budding scientist, trained in biology. I have been fortunate to see the world around me as an amalgam of levels of complex systems resulting in emergent behaviour. Using mathematical and computational approach I believe that I will be able to figure out the micro rules governing the different systems.



EXPERIENCE

- 3/2020 – Present **Lab Rotation** **Bacterial Ecology & Evolution Lab, Microbiology & Cell Biology @ IISc**
Wet Lab Work: An evolutionary experiment in E. coli with two selection pressure - a predator (*Myxococcus xanthus*) and antibiotic (Rifampicin and Gentamycin)
Dry Lab Work: An Agent Based Model (ABM) of *Myxococcus xanthus* life cycle was modelled using NetLogo (Work yet to be published.)
NetLogo / Git / Python / R
- 08/2020 **Mediator** **Science Gallery Bengaluru**
I was lucky to be part of the first digital exhibition of Science Gallery Bengaluru: *PHYTOPIA*. It was a wonderful experience doing mediation on a digital platform.
- 1/2020 – 2/2020 **Lab Rotation** **Chandra Lab, Biochemistry @ IISc**
I made a preliminary model for thyroid hormone synthesis with Ordinary Differential Equations using the software COPASI.
COPASI / Linux
- 12/2019 – 1/2020 **Mediator** **Science Gallery Bengaluru**
part time
As part of the *SUBMERGE Exhibition on Water* I engaged with the visitors on a daily basis. Throughout the conversations I was able to incite the curiosity and critical thinking of the visitors.

EDUCATION

- 2019 – Present **Integrated PhD Degree** **Indian Institute of Science**
An integrated research degree on Biological Science gives me the freedom to venture outside my primary training in biology. I am able to use the opportunity to improve my theoretical understanding of the biological complex systems, and realise the formal distinctions of fields blurring away as I understand better.
- 2016 – 2019 **Bachelor's Degree** **Bangalore University**
The course on Biological Sciences enabled me get a bird's eye view of biology and it's related fields. My interest in theory was spiked during my undergrad years.

LANGUAGES

English - proficient
Malayalam - native
Kannada - rudimentary
Tamil - rudimentary
Hindi - rudimentary

HOBBIES

I love coding. I find it to be an extension of logical thinking. I only picked up my first language recently. But ever since the theoretical or overall structural similarities and differences of programming languages interests me. I also am very much into fictions. Am critical of what I read and watch.

QUALIFIED EXAMS

CSIR-UGC NET LS - AIR 24
JAM BS - AIR 64
JGEEBILS - Was Selected @ IISER, Pune