

Natasha Kelkar

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EDUCATION

Dartmouth College, Hanover, NH, USA (2020- Present)

Pre-doctoral Candidate in Department of Microbiology and Immunology, Geisel School of
Medicine

Advisor: Prof. Margaret Ackerman

Savitribai Phule Pune University, Pune, India (2015-2020)

Integrated Masters of Sciences at Institute of Bioinformatics and Biotechnology (Rank=1, GPA=
5.73/6)

WORK EXPERIENCE

Volunteer in fight against COVID-19 (end of April 2020- July 2020)

Intern at *GenePath* Diagnostics India Pvt. Ltd. (May 2019- July 2019)

RESEARCH EXPERIENCE

Master's Dissertation Project (January 2020- April 2020)

(Supervised by Dr. Jacqueline Monaghan, Queen's University, Canada)

Studied Novel Players in Plant Immunity

Project out of interest (July 2017- August 2020)

(Supervised by Prof. Sohan Modak (Dr. es. Sci.))

Tried to understand and decode protein language

Undergraduate Project (May 2017- November 2019)

(Supervised by Dr. Vaijayanti Tamhane, Assistant Professor, Savitribai Phule Pune University)

Studied biosynthesis pathway, genes, metabolites and pharmacology of flavonoids from
medicinally important rare tree, *Oroxylum indicum*

Summer Fellowship by Consortium of National Science Academies in India (IAS- INSA- NASI SRF)

(Supervised by Dr. Inderjeet Kaur, L. V. Prasad Eye Institute, Hyderabad, India)

Studied involvement of CXCR4 in Diabetic Retinopathy and also studied expression profile of cytokines in tear samples collected from patients suffering from Proximal Acquired Nasolacrimal Duct Obstruction (<http://reports.ias.ac.in/report/12377/involvement-of-cxcr4-in-diabetic-retinopathy>).

EXTRA- CURRICULARS AT DARTMOUTH

- Career Development Officer at Dartmouth Biotech Club (January 2021- Present)
- Active board member at cultural organizations at Dartmouth like Dartmouth Desis