

Pranjal Garg

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Rishikesh, Dehradun
India

EDUCATION

MBBS	Bachelor of Medicine, Bachelor of Surgery All India Institute of Medical Sciences (AIIMS)	Rishikesh 2017- present
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RESEARCH EXPERIENCE

University of Minnesota, US Advisor: Dr. Olihe Okoro Project: Awareness and acceptability of Malaria vaccine in India.	March 2022- present
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Tata Institute of Fundamental Research, Mumbai Advisor: Dr Sandhya Koushika Project: Evaluating the effect of ubiquitination of UNC-104/KIF1A on cargo crowding	March 2022- present
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WormBase Advisor: Dr Raymond Lee Project: Nematode anatomy ontology curation for neuronal regulation of dauer in <i>C. elegans</i> & contributing to GO CAM	May 2021- Nov 2021
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California Institute of Technology (Caltech) Advisor: Dr Paul Sternberg Project: Dye filling in the head neurons of <i>Steinernema hermaphroditum</i> and the neuroanatomy characterization	Pasadena, USA Aug-Oct 2021
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All India Institute of Medical Sciences (AIIMS) Advisor: Dr Manisha Naithani Project: Clinical trial to determine the psychobiotic effects of curd [Clinical Trial Registry of India No.: CTRI/2022/06/043142]	Rishikesh 2020-present
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Neuromatch Academy Advisor: Dr Mehrdad Jayazeri, MIT, USA Project: Construction of a ring attractor system as a memory model Available from- https://youtu.be/jl940P-TvLI	2020
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Indian Institute of Technology (IIT) Advisor: Dr. Gopinath Packirisamy Contributed to Project: Development of contrast agent using nanotechnology for Alzheimer's disease imaging	Roorkee 2019-2020
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CSIR- Centre for Cellular and Molecular Biology

Advisor: Dr. Rajan Sankaranarayanan

Skills: X-ray Crystallography, Drosophila lab, Rodent handling.

Hyderabad

2018

All India Institute of Medical Sciences (AIIMS)

Advisor: Dr Rajesh Kathrotia

Project: Sleep hygiene index, excessive daytime sleepiness & sleep quality in different socioeconomic strata

Rishikesh

2018

PUBLICATIONS

- **Garg, P***, and Sengupta, S. Chasing engrams in zebrafish (*Danio rerio*). *J Neurosci Res*. 2022. DOI: 10.1002/jnr.25097
- **Garg P***, Muthiah S, Singla C. Issue of poor student-faculty relationship in Indian medical education. *Can. Med. Ed. J*. 2022. DOI: 10.36834/cmej.74776
- Muthiah, S., Shekhar, S. & **Garg, P***. Basic and clinical neuroscience: a tale of dreadful trade in India. *Neurol Sci*. 2022. DOI: 10.1007/s10072-022-06028-5
- **Garg P**, Tan CH, Sternberg PW*. DiI staining of sensory neurons in the entomopathogenic nematode *Steinernema hermaphroditum*. *microPublication Biology*. 2022. DOI: 10.17912/micropub.biology.000516. Available from: <https://www.micropublication.org/journals/biology/micropub-biology-000516/>
- **Garg P***, Muthiah S, Singla C. Telerehabilitation for COVID-19 patients in India: Problem to Solution. *Harvard Public Health Review*. 2021; 29. Available from: <https://harvardpublichealthreview.org/29-article-garg/>
- **Garg P**, Kathrotia R, Mahadule A*, Kumari A, Goel A. Is maintaining sleep hygiene enough for good sleep? A socioeconomic correlation study in north India. *European Journal of Molecular & Clinical Medicine*. 2021;7(9):3621-3629. Available from: https://ejmcm.com/article_10405.html.
- **Garg, P***. My ideal medical college. *J Med Evid* 2020;1:61-4. 2020. DOI: 10.4103/JME.JME_91_20. Available from: <http://www.journaljme.org/text.asp?2020/1/1/61/290148>

*Corresponding author

ADDITIONAL EXPERIENCE

Project EncephalonManaging Trustee of *Project Encephalon Foundation*

Project Encephalon is an international, trainee-led non-profit, organisation for neuroscience enthusiasts that organises various seminars, symposia, conferences, mentorship sessions, etc.

06/2020-

present

HONORS AND AWARDS

Grants Project Encephalon received under my leadership- a) IBRO APRC Grant 2020- €1,250 b) IndiaBioscience Outreach Grant 2022- \$1300 c) Falling Walls Science Engage Finalist 2022 Full list available at- neurogarg.github.io/leadership	2020-present
Summer Undergraduate Research Fellowship (\$6,620) California Institute of Technology (Caltech)	2021
Developing Indian Physician Scientist Shortlisted for the prestigious DIPS workshop	2021
Graphical abstract competition BioRender ◦ <i>Finalist</i> - 'Epigenetics and Hebbian plasticity: Need for integrated model of memory'. Available from: https://www.researchgate.net/publication/352329689_Epigenetics_and_Hebbian_plasticity_Need_for_integrated_model_of_memory ◦ <i>Semi-Finalist</i> - 'Use of opsins to study the role of calcium in astrocyte-neuron communication'. Available from: https://www.researchgate.net/publication/352366725_Use_of_opsins_to_study_the_role_of_calcium_in_astrocyte-neuron_communication	2020
India International Science Festival Travel Grant Department of Science and Technology, Government of India	2018
Young Scientist Incentive Plan, Kishore Vaigyanik Protsahan Yojana (KVPY) Department of Science and Technology, Government of India	2017