

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- 2022
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EXPERIENCE

WormBase	May- July 2021
Advisor: Dr Raymond Lee	
Skills: Nematode anatomy ontology curation	

California Institute of Technology (Caltech)	Pasadena, USA
Advisor: Dr Paul Sternberg	Aug-Oct 2021
Project: Genetics of dauer exit decision	

All India Institute of Medical Sciences (AIIMS)	Rishikesh
Advisor: Dr Manisha Naithani	2020-present
Project: Randomized Clinical Trial	

Neuromatch Academy	2020
Advisor: Dr Mehrdad Jayazeri, MIT, USA	
Project: Construction of a ring attractor system as a memory model	

Indian Institute of Technology (IIT)	Roorkee
Advisor: Dr. Gopinath Packirisamy	2019-2020
Contributed to Project: Development of contrast agent using nanotechnology for Alzheimer's disease imaging	

CSIR- Centre for Cellular and Molecular Biology	Hyderabad
Advisor: Dr. Rajan Sankaranarayanan	2018
Skills: X-ray Crystallography, Drosophila lab, Rodent handling.	

All India Institute of Medical Sciences (AIIMS)	Rishikesh
Advisor: Dr Rajesh Kathrotia	2018
Project: Sleep hygiene index, excessive daytime sleepiness & sleep quality in different socioeconomic strata	

ONLINE COURSES

Computational Psychiatry Course, Zurich – Translational Neuromodelling Unit (TNU), University of Zurich and ETH Zurich	09/2020
Computational Neuroscience – Neuromatch Academy	07/2020
Proteomics – Center for Cellular and Molecular Platforms, Bangalore	06/2020
Medical Biomaterials – Indian Institute of Technology, Madras (NPTEL)	05/2019

ADDITIONAL EXPERIENCE

Project Encephalon Founder and Managing Trustee of <i>Project Encephalon Foundation</i> President and Founder of <i>Project Encephalon</i> Project Encephalon is an international, trainee-led non-profit, organisation for neuroscience enthusiasts. Project Encephalon Foundation is the parent of Project Encephalon. Website- www.projectencephalon.org	06/2020-present
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PRESENTATIONS AND INVITED TALKS

Panel discussions

- Youth Led Neuroscience Initiatives. NeuroNovember Convention 2020, Project Encephalon x Stimulus; 2020 Nov

Scientific presentation

- **Garg P**, Muthiah S, Singla C. Panacea: A telehealth portal for COVID-19 rehabilitation. Ideation, Armed Forces Medical College; 2020 Oct; Pune, India.
- **Garg P**, Gupta S. Nanobiosensors for non-invasive clinical cerebrospinal fluid evaluation. Abstract Idea for IdEEavolt, Indian Institute of Technology (IIT); 2020 July; Roorkee, India.
- **Garg P**. Nanotechnology in Healthcare. Poster presented at: 1st Annual National Science Festival, AIIMS Rishikesh; 2020 Feb 28; Rishikesh, India.
- **Garg P**, Kathrotia, R. Assessment of socioeconomic standards and sleeping patterns in the locality of Rishikesh. Poster presented at: Young Scientists Conference, 4th India International Science Festival; 2018 Oct; Lucknow, India.

HONORS AND AWARDS

Grant to conduct the clinical trial All India Institute of Medical Sciences, Rishikesh	2021
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Summer Undergraduate Research Fellowship California Institute of Technology (Caltech)	2021
Developing Indian Physician Scientist Shortlisted for the prestigious DIPS workshop	2021
Graphical abstract competition Biorender Profile- https://app.biorender.com/contest/profile/5eb59522e7a0cd00ad4a0b32-pranjal-garg ◦ Finalist- 'Epigenetics and Hebbian plasticity: Need for integrated model of memory' ◦ Semi-Finalist- '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

PUBLICATIONS

- **Garg P**, Muthiah S, Singla C. Rehabilitation for COVID-19 patients: Problem to Solution. Harvard Public Health Review. 2021 (Forthcoming).
 - **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>
- Science Communication-
- **Garg, P**. (2019). Burning Amazon rainforests: Darting towards the doom of Human Race. The European S 2019 Available from: <https://europeansting.com/2019/10/29/burning-amazon-rainforests-darting-towards-the-doom-of-human-race/>

PROFESSIONAL MEMBERSHIPS

- American Academy of Neurology (2018- present)
- American College of Physicians (2018- present)
- Medical Students Association of India (2018- present)

VOLUNTEER WORK

Ganga Prem Hospice Provide palliative care to terminal cancer patients to several cities (Dehradun, Haridwar, Rishikesh, Raiwala)	2018
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All India Institute of Medical Sciences Volunteer for the first edition of the convocation program, providing services to the stage committee for the President of India	2017
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ADDITIONAL SKILLS

- Proficient in programming languages- Python, JavaScript, R, Octave, HTML/CSS.
- Basic knowledge of Android Studio and marketing techniques like search engine optimisation.
- Basic knowledge of computational neuroscience simulation environments.