

# Grishma Kasle

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CSIR-Junior Research Fellow

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## RESEARCH EXPERIENCES:

### 1. Ph. D.

Neurovirology division, Indian Institute of Science Education and Research-Kolkata, India

(August,2020-Ongoing)

Graduate research with Dr. Jayasri Das Sarma, Professor, IISER-Kolkata.

Thesis project title: Understanding the synapse between gap junction protein Connexin 43 and neuroinflammation induced by a murine- $\beta$ -Coronavirus.

### 2. Project Fellow

Indian Council For Medical Research-NIRRH, Mumbai(November 2019-July 2020)

Principal investigator: Dr.Bhakti Pathak, Scientist-E

Project: Deciphering the role of CRISP AND PSP family proteins on Ion channel modulation.

### 3. Research Intern

UM-DAE Centre for Excellence in Basic Sciences, Mumbai (February 2019-August 2019).

Principal investigator: Dr. Jacinta D'souza, Professor and Head,School of biological sciences

Project: Molecular tool building exercise towards understanding the role of Flagellar Associated protein 147(FAP147) from the green Chlorophyte *Chlamydomonas reinhardtii*

### 4. Summer Intern

V.G.Vaze College, Mumbai( March-June 2015)

Principal investigator:Dr. Vinod Ragade,PhD,Head of department

Project: In vitro evaluation of the immunomodulatory activity of *Psoralea corylifolic* test extract with respect to phagocytosis

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## PUBLICATIONS :

1. Sengupta Sourodip, Bhattacharyya Debina\*, **Kasle Grishma\***, Karmakar Souvik\*, Sahu Omkar, Ganguly Anirban, Addya Sankar, Das Sarma Jayasri.Potential Immunomodulatory Properties of Biologically Active Components of Spices Against SARSCoV-2 and Pan  $\beta$ -Coronaviruses.Frontiers in Cellular and Infection Microbiology Aug 2021,810(11),DOI:10.3389/fcimb.2021.729622
  2. Pradnya R Kamble <sup>§</sup>, Ananya A Breed <sup>§</sup>, Apoorva Pawar <sup>§</sup>. **Grishma Kasle** ,Bhakti R Pathak : Prognostic utility of the ovarian cancer secretome: a systematic investigation. Archives of Gynecology and Obstetrics.(In press)
  3. Abhishek Bose, **Grishma Kasle**, Vaishali Mulchandani, Jayasri Das Sarma. Endoplasmic Reticulum protein ERp29 regulates gap junction intercellular communication protein Cx43 trafficking in murine coronavirus infected astrocytes.(Manuscript under preparation)
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**BOOK CHAPTER:**

- Fareeha Saadi, Debanajana Chakravarty, Grishma Kasle, Jayasri Das Sarma. Neurotropic virus-induced meningoencephalomyelitis. Recent Advances in Encephalitis Research", ISBN 978-1-80355-223-1.(In press)

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**POSTER:**

- Shraddha Mehta, Dhanlaxmi S, Shiza Sarguroh, **Grishma Kasle**, Jacinta D'Souza. A Systematic approach towards enrichment and identification of the ciliary central pair proteome. National Post Doc Symposium; IISER Pune 2019 .

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**AWARDS AND HONORS:**

- 2020-present:** Junior Research Fellowship (JRF), Council of Scientific and Industrial Research (CSIR), India
- 2018:** Ramu S. Deora Scholarship at KET's V. G. Vaze College, University of Mumbai for achieving 1<sup>ST</sup> rank in Zoology.

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**National level Examinations:**

- 2018:** National Eligibility Test, CSIR-UGC, India. All India Rank: 33.
- 2019:** Qualified Graduate Aptitude Test for Engineering (GATE), India.

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**ACADEMIC QUALIFICATIONS:**

- 2020 (August-December):** Course work program, Department of Biological Sciences, Indian Institute of Science Education and Research Kolkata (**CGPA: 8.75/10**)
- 2018:** M.Sc. in Zoology (Animal Physiology), KET's V.G.Vaze college, Mumbai. University Of Mumbai (**CGPA: 9.77/10**)
- 2016:** B.Sc. in Zoology, KET's V.G.Vaze college, Mumbai. University Of Mumbai (CGPA: 6.53/7): **Ranked 4<sup>th</sup> in the University in Zoology and 1<sup>st</sup> at V.G.VAZE college.**
- 2013:** Higher secondary education, Maharashtra State Board (Total marks: 71.5%).
- 2011:** Secondary education, Maharashtra State Board (Total marks: 84.73%)

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**TEACHING EXPERIENCE**

- 2021 (Aug-Dec session):** Teaching assistantship for Theory course on Neurobiology, BS-MS and Post Bachelor Integrated Ph.D. program, IISER-Kolkata
- 2019:** Conducting lectures for the Advanced Certificate Course in Bioinformatics on the topic "Study of Enzymes", Sophia College, Mumbai
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**Students Mentored:**

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| <b>Name</b> | <b>Period</b>                       | <b>Project</b>                               |
|-------------|-------------------------------------|--|
| Anaswar S R | 04/2021-06/2021<br>(Summer trainee) | Nexus between Connexin 43 and TGF- $\beta$ 1 |

**Professional reference:**

Jayasri Das Sarma, PhD  
Professor  
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