PADMAPRIYA S

5th year Integrated BS-MS student
Department of Biological Sciences
Indian Institute of Science Education and Research, Kolkata

+91-9495051622
+91-7356477270

padmapriyas012345@gmail.com
ps17ms159@iiserkol.ac.in

PERSONAL DETAILS

Date of Birth   : 05/01/2000
Gender   : Female
Nationality   : Indian
Languages known : English, Tamil, Telugu, Malayalam, Hindi
Areas of interest   : Neuroimmunology, Neurogenetics,
                             Immunology

WORK EXPERIENCE

SUMMER INTERNSHIP

'DRUG STUDIES IN RETT SYNDROME'
CLASSICAL CYTOGENETICS AND MOLECULAR TECHNIQUES

- Under Dr. V. Balachandar
- At Bharathiar University, Coimbatore, Tamil Nadu
- 10/05/2018 – 20/07/2018

'ROLE OF CD40-CD40L INTERACTION IN NEUROINFLAMMATION AND MULTIPLE SCLEROSIS'

- Under Prof. Jayasri Das Sarma
- At IISER Kolkata
- 16/06/2020 – 30/07/2020

ONLINE WORKSHOP

'PHARMA AND BIOPHARMA : MOLECULE TO MEDICINE - HOW IT WORKS IN INDUSTRY'

- By Department of Biological Sciences, IISER Kolkata
- 30/05/2021 – 27/06/2021

MS THESIS

UNDERSTANDING THE INFECTION, ACTIVATION AND PHAGOCYTOSIS OF PERIPHERAL MONOCYTE/MACROPHAGES UPON MURINE CORONAVIRUS INFECTION

- Under Prof. Jayasri Das Sarma
- At IISER Kolkata
- 03/08/2021 – present

EXTRA CO-CURRICULAR ACTIVITIES

- **Dancing**
- **Reading**
- **Sports**

EDUCATIONAL QUALIFICATION

BS-MS Dual Degree Programme
CGPA : 8.33
Indian Institute of Science Education and Research, Kolkata
2017–present
Expected to graduate in 2022

Senior School Certificate Examination (CBSE)
PERCENTAGE : 92.6%
Holy Trinity School, Palakkad, Kerala
Passed in 2017

Secondary School Examination (CBSE)
CGPA : 10.0
Holy Trinity School, Palakkad, Kerala
Passed in 2015

PUBLICATION

Gomathi, M., **Padmapriya, S.** *and Balachandar, V., 2020. Drug studies on Rett syndrome: from bench to bedside. Journal of autism and developmental disorders, 50(8), pp.2740-2764.*

SKILLS

LABORATORY SKILLS:

- In vitro cell culture techniques
- Molecular techniques like RNA and protein isolation
- Semi Q PCR, Real-time PCR, Western blot
- Flow cytometry
- Immunofluorescence of cells, Immunohistochemistry of tissue sections

OTHER SKILLS:

- Programming language : Python
- Software packages : Origin 8, GNU Plot, ImageJ, MATLAB, GraphPad Prism, Microsoft Office