

# SOURODIP SENGUPTA

IISER Kolkata, Mohanpur, Nadia-741 246, West Bengal  
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## ACADEMIC QUALIFICATION

- August 2014 - Present      **Integrated PhD (IP) in Biological Sciences**  
Indian Institute of Science Education and Research Kolkata (IISER Kolkata),  
WB, India
- August 2014 – June 2017      **Masters of Science (part of IP) in Biological Sciences**  
CGPA: 8.58, **1<sup>st</sup> Class First**  
Indian Institute of Science Education and Research Kolkata (IISER Kolkata),  
WB, India
- July 2011 – June 2014      **Bachelor of Science in Microbiology**  
CGPA: 8.4, **1<sup>st</sup> Class**  
St. Xavier's College, Kolkata, WB, India

## RESEARCH EXPERIENCE

- August 2016 – Present      **Delineating the role of MMPs and TIMPs in MHV-induced neuroinflammation**  
SRF, IISER Kolkata
- Actively trying to understand the role of matrix metalloproteases (MMPs) in regulating MHV pathology and the cross-talk among different MMPs and between MMPs and their tissue inhibitors (TIMPs).

## ORAL AND POSTER PRESENTATIONS

- Poster on **“Role of matrix metalloproteinases (MMPs) and tissue inhibitor of MMPs (TIMPs) in Mouse Hepatitis Virus (MHV) induced neuroinflammation”**  
International Brain Research Organization (IBRO)- APRC School on Blood-Brain-Barrier, November 04-09, 2019
- Poster on **“Role of matrix metalloproteinases (MMPs) and tissue inhibitor of MMPs (TIMPs) in virus-induced neuroinflammation”**  
International Conference on Neuroscience & XXXVI Annual Meeting of Indian Academy of Neurosciences, October 29-31, 2018
- Oral presentation on **“Role of glial cells derived MMPs in virus-induced neuroinflammation”**  
Frontiers in Modern Biology 2018, IISER Kolkata, January 19-21, 2018
- Poster on **“Chromium degrading bacteria isolated from industrial belts”**  
100<sup>th</sup> Indian Science Congress, Kolkata, January 3-7, 2013

## WORKSHOPS AND SEMINARS

- **‘IBRO-APRC School on Blood-Brain-Barrier’** organized by Department of Biochemistry, Punjab University, Chandigarh in association with International Brain Research Organization (Chandigarh, November 4-9, 2019)
- **‘International workshop on Bioanalytical Methods’** organized by Department of Biological Sciences, Indian Institute of Science Education and Research, Kolkata in association with American Society for Microbiology (Sikkim, February 24- March 1, 2018)
- **‘Advances in Life Sciences’** conducted by Department of Biological Sciences, IISER Kolkata (Kolkata, January 13-15, 2017).
- **‘Indo-US Symposium on Central Nervous System Viral Infection and its Therapy’** jointly organized by IISER Kolkata, BHU and University of Iowa (Doars, November 14-17, 2016)
- **‘Vijyoshi Camp’**, National Science Camp organized by KVPY, IISc, IISER Kolkata & INSPIRE (Kolkata, December 16-18, 2015)
- **‘Hands-on training on Advanced Microscopy & Imaging Technique’** conducted by DSS Imagetech, Olympus Medical Systems (India) & Photometrics (USA) (Kolkata, December 16-18, 2014)
- **‘Vijyoshi Camp’**, National Science Camp organized by KVPY, IISc, IISER Kolkata & INSPIRE (Kolkata, November 10-12, 2014)
- **‘8-Week Skill Training Program on Plant tissue culture & Plant secondary metabolites’** supported by NSTEDB, DST, GOI (Kolkata, June 11, 2012 onwards)
- Given demonstration on **‘Global warming, its impact & the role of the society in environmental conservation’** as part of college group at Acharya Satyendra Bose Science & Technology Fair (Kolkata, January 19-23, 2012)

## AWARDS and HONORS

- **Best poster presentation** (“*Role of matrix metalloproteinases (MMPs) and tissue inhibitor of MMPs (TIMPs) in Mouse Hepatitis Virus (MHV) induced neuroinflammation*”) at IBRO-APRC School on Blood-Brain-Barrier, November 4-9, 2019
- **Suttee Nag Prize for the best paper presented** (“*Role of matrix metalloproteinases (MMPs) and tissue inhibitor of MMPs (TIMPs) in virus-induced neuroinflammation*”) at International Conference on Neuroscience, October 29-31, 2018
- **Represented IISER Kolkata at the house of the Hon’ble President of India** as part of ‘*In-Residence Programme for Scholars of IISERs, IITs & IISc at Rashtrapati Bhavan*’ between June 18-24, 2016.