

Dr. Pieu Naskar, PhD
Assistant Professor, Kulti College



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Position Held:

1. Assistant Professor and Head of the Department of Microbiology, Kulti College (Feb, 2024-till date)
2. Assistant Professor (Contractual), Dept. of Biotechnology, Brainware University, Barasat, Kolkata, India. (March to June, 2022)
3. Research Associate in the Department of Life Sciences, Department of Life Sciences, Shiv Nadar University, Gautam Buddha Nagar, Uttar Pradesh. (March to October, 2019)

Area of Interests:

- Mast Cell in Allergy (Hypersensitivity)-& SNAREs
- Antibiotic Resistance and Medicinal Plants
- Biofilm and Quorum Sensing

Academic Qualifications:

- **PhD:** School of Life Sciences, Jawaharlal Nehru University, New Delhi-67
PhD – Thesis Title
“The dynamics of SNAP-23 membrane localization in mast cells undergoing exocytosis and their regulation by phosphorylation”
- **NET Qualification:** Joint CSIR-UGC examination NET, December 2010
- **M.Sc.:** Rashbehari Sikshna Prangan (Rajabazar Science College), Calcutta University
- **B.Sc.:** Asutosh College (Calcutta University)
- **Post Doctoral Work:** “Investigating the Physiological Role of Cell Wall Amidase in *Caulobacter crescentus*”, Department of Life Sciences, Shiv Nadar University, Gautam Buddha Nagar, Uttar Pradesh

List of Publications:

1. Naskar P, and Puri N (2017) *Phosphorylation of SNAP-23 regulates its dynamic subcellular localization and regulated exocytosis in mast cells*. **J. Immunol.** 198(1 Supplement) : 67.14 (Abstract)
2. Naskar P, Puri N. (2017) *Phosphorylation of SNAP-23 regulates its dynamic membrane association during Mast Cell exocytosis*. **Biology Open** (2017) 6, 1257-1269 doi:10.1242/bio.025791
3. Naskar P, Naqvi N, Puri N (2018). *Blocking dephosphorylation at Serine 120 residue in t-SNARE SNAP-23 leads to massive inhibition in exocytosis from mast cells*. **Journal of Biosciences** (2018), DOI: 10.1007/s12038-018-9740-y
4. Aggarwal V, Naskar P, Agasti S, Khurana GK, Vishwakarma P, Lynn MA, Puri N(2019). *The Cysteine-rich Domain of Synaptosomal-associated Protein of 23 kDa (SNAP-23) Regulates its Membrane Association and Regulated Exocytosis from Mast Cells*. **BBA - Molecular Cell Research** 1866 (2019) 1618–1633 (<https://doi.org/10.1016/j.bbamcr.2019.06.015>)
5. Naqvi N, Srivastava R, Naskar P, Puri N (2021). *Mast Cells modulate early responses to Mycobacterium bovis Bacillus Calmette-Guerin by phagocytosis and formation of extracellular traps*. **Cellular Immunology** 365 (2021) 104380 (<https://doi.org/10.1016/j.cellimm.2021.104380>.)

Presentations in Conference and Meetings:

1. Pieu Naskar and Niti Puri (2017) **Phosphorylation of SNAP-23 regulates its dynamic subcellular localization and regulated exocytosis in mast cells**. IMMUNOLOGY 2017, the Annual Meeting of The American Association of Immunologists, Inc. (AAI), May 12-16, 2017 in Washington, DC.
2. Pieu Naskar and Niti Puri (2017) **The dynamics of SNAP-23 membrane localization in mast cells undergoing exocytosis and their regulation by phosphorylation (Oral)**. 15th Annual Scientific event- BIOSPARKS 2017 at SLS, JNU, New Delhi, India, March, 2017. (AWARD WINNING)
3. Pieu Naskar and Niti Puri (2016) **Role of SNAP-23 phosphorylation in dynamic changes in membrane association of SNAP-23 during allergen challenge in Mast Cells**. 14th Annual Scientific event- BIOSPARKS 2016 at SLS, JNU, New Delhi, India, March, 2016.
4. Pieu Naskar and Niti Puri (2015) **Regulation of mast cell exocytosis by phosphorylation of SNAP-23**. 42nd Annual conference of Indian Immunology Society (IMMUNOCON 2015)

at Rajendra Memorial Research Institute of Medical Sciences (Indian Council of Medical Sciences) Patna, India, Oct., 2015.

5. **Pieu Naskar** and Niti Puri (2015) Dynamic changes in membrane association of Synaptosomal-associated Protein of 23kDa (SNAP-23) in response to allergen challenge in Mast Cells. 13th Annual Scientific event- BIOSPARKS 2015 at SLS, JNU, New Delhi, India, March, 2015.
6. Vasudha Agarwal, **Pieu Naskar** and Niti Puri (2014) Post-translational modifications of SNAP-23 regulate its membrane association in resting and antigen-activated mast cells. 12th Annual Scientific event- BIOSPARKS 2014 at SLS, JNU, New Delhi, India, March, 2014 (**AWARD WINNING**)
7. **Pieu Naskar** and Niti Puri (2013) Regulation of mast cell exocytosis by phosphorylation of SNAP-23. 40th Annual conference of Indian Immunology Society (IMMUNOCON 2013) at Department of biochemistry (UCMS & GTB hospital), New Delhi, India, Nov., 2013.
8. Gagandeep Kaur Khurana, Nilofer Naqvi, **Pieu Naskar**, Priyanka Sharma, Sandeep Paudel, Rangati Verma, and Niti Puri (2017): National Science Day Symposium 2017, Department of Science and Technology and Jawaharlal Nehru University, New Delhi, February 28, 2017.

Workshops and Training:

1. Participate in the DST-SERB Sponsored **Two days National Workshop on “Tips & Tricks in writing Scientific Research Grants”** Organized by the Integrative Biochemistry and Immunology Laboratory (IBIL), Dept. of Animal Science, Kazi Nazrul University under the Scientific Social Responsibility (SSR) mandate of DST-SERB-CRG Project (CRG/2021/002605) on **14th and 15th March 2024**.
2. Participate in the 2nd National Conference on **“Biotechnology & Health”**, at Brainware University, Barasat, Kolkata-700125, Bengal
3. Attended Orientation Program and Hands on Training on Animal handling based on CPCSEA guidelines, at JNU in 2015-2016
4. Participate in National Science Day at Convention Center, JNU in 2016.
5. Attended training on ‘Safe handling of Radioactive sources in research applications with the help of lectures and demonstrations’, SLS, JNU in 2014 program.
6. Attended BD FACSOrient – A course in Flow Cytometry Basics in 2013.

7. Participate in “International Symposium on Modern Biology in 21st Century” at University of Calcutta (Department of Biophysics Molecular Biology and Bioinformatics), 2010.
8. Participate in “International Conference on Plant System Biology” at University of Calcutta (Department of Biophysics Molecular Biology and Bioinformatics), 2009.

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