



## Eileena Mohanty, Ph.D.,

**Area:** Virology, Immunology, Epidemiology

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**Year of Joining:** January 2018

### EDUCATION

Ph.D.	Biotechnology	Utkal University , Odisha, 2018
M.Sc.	Biotechnology	Vellore Institute of Technology, Vellore, 2009
UGC-CSIR – NET	Life sciences	2009

### HONOURS

1. Awarded **UGC-CSIR-NET-LS** (Dec 2009).
2. Awarded the **Summer Fellowship of Indian Academy of Sciences** for two months in 2008 at Jawaharlal Nehru Centre for Advanced Scientific Research (**JNCASR**) in Bangalore at the **Chronobiology Laboratory**, Evolutionary & Organismal Biology Unit under the guidance of Prof. M. K. Chandrashekar and Dr. Vijay Kumar Sharma.
3. Awarded **4<sup>th</sup> rank** in University of Kerala for Bsc, Zoology (2007).
4. Awarded **ICMR-SRF Fellowship** in August 2013 for carrying out my PhD work.
5. Awarded **PhD in Biotechnology** (September 2018).
6. Selected for attending the **5<sup>th</sup> Winter School of Immunology** held at Jodhpur, Rajasthan, India. 9<sup>th</sup> -15<sup>th</sup> Jan, 2012, sponsored by ICMR, India, Indo-US Science and Technology Forum, India and Cancer Research Institute, US.
7. **Delivered a talk and hands on training** on “Peptide designing using insilico tools” upon invitation in the Hands on training on Molecular biology and Computational Tools workshop held at Bhubaneswar, Odisha CIFA (ICAR) organized in collaboration with ICAR-IASSRI, New Delhi, during 16<sup>th</sup> to 25<sup>th</sup> April, 2019.

## RESEARCH EXPERIENCE

- Senior Research Fellow (ICMR)(PhD student): Project“Characterization of Rota virus strains affecting Odisha, based on VP8\* region: a possible additional candidate for new Rota virus vaccine”, at Viral Diagnostic and Research Laboratory, Regional Medical Research Centre, Indian Council of Medical Research, Chandrasekharpur, Bhubaneswar from August 2013 to October 2016.
- Senior research fellow(ICMR):Project “Hospital based sentinel surveillance of bacterial meningitis in India”at Regional Medical Research Centre, Indian Council of Medical Research, Chandrasekharpur, Bhubaneswar from February 2012 to July 2013.
- Junior Research Fellow in a DBT funded project ‘Aberrant T cells and the Immune Response’ December, 2009 to December, 2011 at Institute of Life Sciences (DBT), Bhubaneswar.
- MSc dissertation: Study of ‘Interaction of Chandipura virus with murine B lymphocytes’. December, 2008 to June, 2009.Chandipura Group, Viral Immunology at the **National Institute of Virology, Pune** under the guidance of DrAnu Kumar.
- **Summer Fellowship of Indian Academy of Sciences:** ‘Effect of light –dark regimes on starvation resistance in *Drosophila Melanogaster*’. June and July, 2008 at the Chronobiology Laboratory, Evolutionary & Organismal Biology, Jawarharlal Nehru Centre for Advanced Scientific Research, Bangalore,under the guidance of Prof M.K Chandrashekharan and DrV.K.Sharma.

## TEACHING EXPERIENCE

- Guest faculty in Biotechnology for Undergraduate and Postgraduate students in:
  - Ravenshaw University, Cuttack, Odisha, 2016 - 2017.
  - BJB Autonomous College, Bhubaneswar, Odisha, from September 2016 - 2017.
- -Assistant Professor in Biotechnology at Trident Academy of Creative Technology,Bhubaneswar,Odisha, January 2018 till date.

## PUBLICATIONS

1. Mohanty E, Dwibedi B , Kar S K, Pandey R M ‘ Association of Rotavirus gastroenteritis with histo-blood group antigens’. Indian Pediatrics 2016; 53: 653-654.PMID: 27508550

2. Mohanty E., Dwibedi B., Kar SK., Acharya AS. Epidemiological features and genetic characterization of virus strains in rotavirus associated gastroenteritis in children of Odisha in Eastern India. *Infect Gen and Evol* 2017; 53: 77-84. PMID: 28438670

3. Mohanty E., Dehury B., Satapathy, A.K., Dwibedi, B. Design and testing of a highly conserved human rotavirus VP8\* immunogenic peptide with potential for vaccine development. *Journal of Biotechnology* 2018;281:48-60. PMID: 29886031

#### CONFERENCES ,WORKSHOPSAND SEMINARS ATTENDED

- VIROCON 2016-International conference on Global Perspectives in Virus disease Management, 8th. To 10th. December, 2016. **Oral presentation** of paper 'Identification of a highly conserved non-allergenic VP8\* subunit of the VP4 surface protein of Rotavirus with both T and B cell processivity for vaccine design: an in silico approach'.
- 12th International dsRNA Virus Symposium, 6th. to 10th., October, 2015, Goa, India. Organised by The Wellcome Trust Research Laboratory, Division of Gastrointestinal Sciences, Christian Medical College, Vellore. **Poster presentation:** Mohanty E, Dwibedi B ,Kar S K, Pandey R M. 'Association of Rotavirus gastroenteritis with histo-blood group antigens: A hospital based investigative study in Eastern India'.
- XXIII National Conference of Indian Virological Society (IVS) on 'Recent trends in Virology Research in the Omics Era', October, 2014, organised by Tamil Nadu Agricultural University, Coimbatore. **Submitted poster.**
- International conference on 'Cell signaling and diseases", organized by KIIT School of Biotechnology, KIIT University, Bhubaneswar, 2010.
- Workshop cum training on 'Application of bioinformatics in Medical Research', organized by Biomedical Informatics Centre, Regional Medical Research Centre, Bhubaneswar, 2015. Sponsored by ICMR.
- 5th Winter School of Immunology held at Jodhpur, Rajasthan, India. 9th to 15th Jan, 2012, sponsored by Indian Council of Medical Research, Indo-US Science and Technology Forum, India and Cancer Research Institute, US.
- Hands on workshop 'Hospital based sentinel surveillance of bacterial meningitis in India' conducted by Department of Clinical Microbiology , Christian Medical College, Vellore, 27th to 29th, February 2012, under the auspices of Indian Council of Medical Research.
- National Lecture Workshop on –'Trends in Medical Biotechnology' organized by School of Biotechnology, Chemical and Biomedical Engineering, Vellore Institute of Technology, Tamil Nadu, 2008.

- National Seminar on ‘Current trends in Gene Technology-GENETECH’, organized by Department of Botany and Biotechnology, Mar Ivanios College, Trivandrum, 2007.
- ‘Technology Day’ Seminar, organized by SreeChitraTirunal Institute for Medical Sciences and Technology, Trivandrum, 2006.