



**ICMR**

Indian Council of Medical Research

# Biomedical Informatics Center

National Institute of Cholera and Enteric Diseases

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**Name**

[Dr. Amita Barik](#)

**Educational Qualification**

M.Sc., Ph.D.

**Designation**

Scientist-II

**Division**

Biomedical Informatics Centre

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**Research Interest**

Bioinformatics and Computational Biology

**Date of joining ICMR**

2<sup>nd</sup> March, 2015



## Educational qualifications

- PhD in Structural Bioinformatics, Department of Biotechnology, Indian Institute of Technology Kharagpur, India, 2014.
- M.Sc. in Bioinformatics, Birla Institute of Technology, Mesra, Ranchi, India, 2009.
- B.Sc. in Botany (Hons.), Sailabala Women's College, Cuttack, Odisha, India, 2007.

## Publications

- Chattopadhyay A, Dey P, **Barik A** , Bahadur RP & Maiti M. **2015** A repressor activator protein1 homologue from an oleaginous strain of *Candida tropicalis* increases storage lipid production in *Saccharomyces cerevisiae*. **FEMS Yeast Res** (In press). [PubMed Link](#)
- **Barik A**, Nithin C, Pilla S & Bahadur RP. **2015** Molecular architecture of protein-RNA recognition sites. **J Biomol Struct Dyn** doi 10.1080/07391102.2015.1004652. [PubMed Link](#)
- **Barik A** & Bahadur RP. **2014** Hydration of protein-RNA recognition sites. **Nucleic Acids Res** 42:10148-10160. [PubMed Link](#)
- **Barik A**, Mishra A & Bahadur RP. **2012** PRince: a web server for structural and physicochemical analysis of Protein-RNA interface. **Nucleic Acids Res** 40:W440-W444. [PubMed Link](#)
- **Barik A**, Nithin C, Manasa P & Bahadur RP. **2012** A protein-RNA docking benchmark (I): nonredundant cases. **Proteins:Struc, Func & Bioinfo** 80:1866-1871. [PubMed Link](#)

- Kumar A, **Barik A**, Kumari M, Vidyarthi AS & Pandey DM. **2011** Identification of single exon genes and their encoded proteins in rice (*Oryza sativa* L.) genome: an in silico approach **IJBRA** 7:376-389. [PubMed Link](#)

### **Awards and achievements**

- Qualified **CSIR-SRF** in 2013.
- **DST travel grant** for attending Winter School in INRIA Sophia Antipolis, Nice, France.
- Qualified GATE- 2009, 99.52 percentile, **All India Rank-61**.
- Qualified **NET-LS** 2008.
- Selected for the summer training at one of the prestigious institutes of India, CCMB, Hyderabad, amongst thousands of applicants (May-July, 2008).
- **Utkal University Topper** in Botany Hons. (2004-2007).

