

Dr. Debojyoti Chakraborty

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Current position CSIR- Institute of Genomics and Integrative Biology (New Delhi)

Scientist Fellow (QHS) [January 2016-]

Academic affiliations **Biotechnology-Zentrum, Medical Faculty, Technical University Dresden**

Post Doctoral Researcher [December 2013 – November 2015]

Max Planck Institute of Molecular Cell Biology and Genetics & Technical University, Dresden, Germany

PhD in Molecular Biology, 2014 [Magna Cum Laude]

Thesis title: Systematic dissection of long noncoding RNAs involved in the regulation of embryonic stem cell pluripotency

West Bengal University of Technology, Kolkata, India

Master of Science in Molecular Biology, 2009 [DGPA 8.92, First position]

Thesis title: A study of *CHL4* protein in kinetochore-microtubule interactions in the budding yeast *Saccharomyces cerevisiae* [Bose Institute, Kolkata, India]

University of Kalyani, Kalyani, India

Bachelor of Science, 2007 [83%, First position]

Thesis title: A Bioinformatics Approach to target Sickle cell anomaly using RNA interference strategies [Institute of Genetic Engineering, Kolkata, India]

Publications LncRNA *Panc11* maintains mouse embryonic stem cell identity by recruiting TOBF1 to Oct-Sox sequences in early G1

Debojyoti Chakraborty, Maciej Paszkowski-Rogacz, Nicolas Berger, Li Ding, Jovan Mircetic *et al* **Nature Structural and Molecular Biology** (under revision)

Combined RNAi and localization for functionally dissecting long noncoding RNAs

Debojyoti Chakraborty, Dennis Kappei, Mirko Theis, Anja Nitzsche, Li Ding, Maciej Paszkowski-Rogacz *et al.* **Nature Methods** (2012)

Systems Analyses Reveal Shared and Diverse Attributes of Oct4 Regulation in Pluripotent Cells

Li Ding, Maciej Paszkowski-Rogacz, Maria Winzi, **Debojyoti Chakraborty**, Mirko Theis *et al.* **Cell Systems** (2015)

Targeting Human Long-Noncoding Transcripts by Endoribonuclease-prepared siRNAs

Mirko Theis, Maciej Paszkowski-Rogacz, Ina Weisswange, **Debojyoti Chakraborty**, Frank Buchholz. **Journal of Biomolecular Screening** (2015)

Directed evolution of Brec1: A broad-range recombinase that inactivates HIV-1 in patient-specific humanized mice

Janet Karpinski, Ilona Hauber, Jan Chemnitz, Carola Schäfer, Maciej Paszkowski-Rogacz, **Debojyoti**



Chakraborty et al. Nature Biotechnology (in press)

Universal Tre (uTre) recombinase specifically targets the majority of HIV-1 isolates

Janet Karpinski, Jan Chemnitz, Ilona Hauber Josephine Abi-Ghanem, Maciej Paszkowski-Rogacz, Vineeth Surendranath, **Deboyoti Chakraborty et al. Journal of the International AIDS Society** (2014)

Awards INSPIRE Faculty Award, Department of Biotechnology, India [2015]

German Stem Cell Network Travel Award, Frankfurt, Germany [2015]

German Stem Cell Network Conference Poster Prize, Heidelberg, Germany [2014]

Nucleic Acids Research Poster Prize, Heidelberg, Germany [2014]

Dresden International Graduate School Travel Award, Dresden, Germany [2012]

Future of Science Foundation Scholarship, Keystone Symposia, Utah, USA (2012)

National Eligibility Test, Council for Scientific and Industrial Research, India [2009]

University merit scholarship, West Bengal University of Technology, Kolkata, India [2008]

Lindau Meeting of Nobel Laureates Award, DST (India) and DFG (Germany) [2007]

Summer Research Fellowship, Indian Academy of Sciences, Bangalore, India [2006]

Selected Talks and presentations

The European Molecular Biology Laboratory, Heidelberg, Germany [2015]

Goethe University, Frankfurt, Germany [2015]

Institute of Genomics and Integrative Biology, New Delhi, India [2015]

National Institute of Biomedical Genomics, Kalyani, India [2015]

National Center for Biological Sciences, Bangalore, India [2015]

Saha Institute of Nuclear Physics, Kolkata, India [2014]

Annual Conference of the German Stem Cell Network (GSCN), Heidelberg, Germany [2014]

International Congress on Stem Cells and Tissue Formation, CRTD, Dresden, Germany [2014]

Non-coding RNA- From Basic Mechanism to Cancer, German Cancer Research Center (DKFZ), Heidelberg, Germany [2014]

West Bengal University of Technology, Kolkata, India [2014]

Annual Meeting of Systems Biology of Stem Cells, Kirchberg, Austria [2013]

Keystone Symposia on Long Noncoding RNAs, Utah, USA [2012]

Non Academic credentials

Bachelors in North Indian Instrumental Music, Recipient of National Scholarship in Music [Department of Human Resources, Govt. of India]. Winner of Doverlane Music Conference Award, HMV Award for most promising talent and West Bengal State Music Award for Instrumental Music.