

Education

2012-2013 : Postdoctoral Fellow, FIRC Institute of Molecular Oncology Foundation, Milan, Italy.

2007-2011 : Postdoctoral Research Fellow, Memorial Sloan-Kettering Cancer Center, New York, USA.

2002-2007 : Ph.D. (Structural Biology), CSIR-Centre for Cellular and Molecular Biology, Hyderabad.

1999-2001 : M.Sc. (Plant Pathology), Indian Agricultural Research Institute, New Delhi.

1995-1999 : B.Sc. (Agriculture), University of Agricultural Sciences, Bengaluru.

Awards and Fellowships

2016-2019 : Early Career Research Award (ECRA), Science and Engineering Research Board, Department of Science and Technology, Government of India.

2014-2019 : Ramalingaswami re-entry fellowship by Department of Biotechnology, India.

2012-2013 : Structured International Postdoc Program fellowship co-funded by European School of Molecular Medicine and Marie Curie Actions-People (FP7).

2002-2007 : Junior and Senior Research Fellowships by Council for Scientific and Industrial Research, India.

1999-2001 : Junior Research Fellowship by Indian Council of Agricultural Research (ICAR), India, and secured 8th rank in plant sciences category in national exam conducted by ICAR.

Publications

Pubmed link: <http://www.ncbi.nlm.nih.gov/pubmed/?term=rajakumara+e>

Google Scholar Citations: <https://scholar.google.co.in/citations?user=kcQdyWcAAAAJ&hl=en>

1. **Rajakumara, E***, Nakarakanti, N.K, Nivya, M.A. and Satish, M. Mechanistic insights into the recognition of 5-methylcytosine oxidation derivatives by the SUVH5 SRA domain. **Nature Scientific Reports**. 2016 Feb 4;6:20161. doi: 10.1038/srep20161. (*corresponding author).
2. Devi, S., **Rajakumara, E.**, Ahmed N. Induction of Mincle by Helicobacter pylori and consequent anti-inflammatory signaling denote a bacterial survival strategy. **Nature Scientific Reports**. 2015 Oct 12;5:15049. doi: 10.1038/srep15049.
3. Gonzalez-Huici, V., Szakal, B., Urulangodi, M., Psakhye, I., Castellucci, F., Menolfi, D., **Rajakumara, E.**, Fumasoni, M., Bermejo, R., Jentsch, S., Brnzei, D. DNA bending

facilitates the error-free DNA damage tolerance pathway and upholds genome integrity. **EMBO J.** 33(4): 327-40 (2014).

4. **Rajakumara, E***, Wang, Z*, Ma, H., Hu, L., Chen, H., Lin, Y., Guo, R., Wu, F., Li, H., Lan, F., Shi, Y., Xu, Y., Patel, D.J and Shi, Y. PHD finger recognition of unmodified histone H3R2 links UHRF1 to regulation of euchromatic gene expression. **Molecular Cell** 43: 275–284 (2011). (*Equal contribution).
5. **Rajakumara, E***, Law, J.A*, Simanshu, D.K., Voigt, P., Johnson, L.M., Reinberg, D., Patel, D.J and Jacobsen, S.E. A dual flip-out mechanism for 5mC recognition by the Arabidopsis SUVH5 SRA domain and its impact on DNA methylation and H3K9 dimethylation in vivo. **Genes and Dev.** 25(2):137-52 (2011). (*Equal contribution). (Journal Cover Page; Evaluated by Faculty of 1000 Biology and Medicine).
6. Arora, P*, Goyal, A*, Natarajan, V.T*, **Rajakumara, E.**, Verma, P., Gupta, R., Yousuf, M., Trivedi, O.A., Mohanty, D., Tyagi, A., Sankaranarayanan, R and Gokhale, R.S. **Nat Chem Biol.** 5(3):166-73 (2009). (*Equal contribution).
7. **Rajakumara, E***, Acharya, P*, Ahmad, S., Sankaranarayanan, R and Rao, N.M. **Biochim Biophys Acta.** 1784(2):302-11 (2008). (*Equal contribution).
8. **Rajakumar, E.**, Aggarwal, R. and Singh, B. **Acta Phytopathologica et Entomologica Hungarica**, 40 (1-2), 35-42 (2005).
9. Madhurantakam, C*, **Rajakumara, E***, Mazumdar, P.A., Saha, B., Mitra, D., Wiker, H.D., Sankaranarayanan, R and Das, A.K. **J. Bacteriol.** 187(6); 2175-81 (2005). (*Equal contribution).
10. Acharya, P*, **Rajakumara, E***, Sankaranarayanan, R. and Rao, N.M. **J Mol Biol**, 341(5); 1271-81 (2004). (*Equal contribution).
11. **Rajakumara, E.**, Acharya, P., Ahmad, S., Shanmugam, V.M., Rao, N.M. and Sankaranarayanan, R. **Acta crystallogr.** D60; 160-162 (2004).