

ARUNKUMAR DHAYALAN



SCIENTIFIC CONTRIBUTIONS:

Dr. Dhayalan's research group in India currently focuses on Protein Arginine methylation signaling. His lab has been funded by DBT, UGC, CSIR and DST. Dr. Dhayalan has published 18 articles in reputed journals with the cumulative impact factor of 88, the h-index of 12, i-10 index of 13 and it has received 1174 citations so far. Dr. Dhayalan holds Associate Editorship in the research journal "BMC Biochemistry".

GET IN TOUCH



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EDUCATION AND CAREER

01.06.1997 -
01.05.2000

B.Sc in Biochemistry with 83% (University of Madras, India)

01.07.2000 -
01.06.2002

M.Sc in Biotechnology with CGPA 8.7 out of 10 (Pondicherry University, India)

01.08.2003 -
08.05.2005

Junior Research Fellow at the Indian Institute of Science, India.

01.06.2005 -
10.03.2009

Ph.D in Biochemistry with Special Distinction (Jacobs University Bremen, Germany)

11.03.2009 -
31.10.2010

Postdoctoral Fellow at the Jacobs University Bremen, Germany.

09.09.2010 -
TILL DATE

Assistant Professor in the Department of Biotechnology, Pondicherry University, India

AWARDS AND FELLOWSHIPS

- **Innovative Young Biotechnologist Award** for the year of 2010 from Department of Biotechnology (DBT), Government of India.
- **Young Scientist Award** for the year of 2012 from Department of Science and Technology (DST), Government of India.
- **UGC Research Award** for the year of 2015 from University Grants Commission, Government of India.
- **Early Career Research Award** for the year of 2017 from Science and Engineering Research Board, Government of India.
- **Best Teacher Awards, 2011, 2012, 2013, 2014, 2015 and 2106** from Pondicherry University.
- Fellowship awarded by **CSIR**, Government of India for doing Research in **Indian Institute of Science**, India.

SELECTED PUBLICATIONS

- Verma M, Charles RCM, Chakrapani B, Coumar MS, Govindaraju G, Rajavelu A, Chavali S, **Dhayalan A.** (2017) PRMT7 Interacts with ASS1 and Citrullinemia Mutations Disrupt the Interaction. *J Mol Biol.* 429, 2278-2289.
- **Dhayalan, A.,** Tamas, R., Bock, I., Tattermusch, A., Dimitrova, E., Kudithipudi, S., Ragozin, S., Jeltsch, A. (2011) The ATRX-ADD domain binds to H3 tail peptides and reads the combined methylation state of K4 and K9. *Hum Mol Genet*, 20, 2195-2203.
- **Dhayalan, A.,** Kudithipudi, S., Rathert, P., Jeltsch, A. (2011) Specificity analysis based identification of new methylation targets of the SET7/9 protein lysine methyltransferase. *Chemistry & Biology*, 18, 111-120.
- **Dhayalan, A.,** Rajavelu, A., Rathert, P., Tamas, R., Jurkowska, R.Z., Ragozin, S., Jeltsch, A. (2010) The Dnmt3A PWWP domain reads histone 3 lysine 36 trimethylation and guides DNA methylation. *J. Biol. Chem* 285, 26114-26120.
- Rathert, P., **Dhayalan, A.,** Murakami, M., Zhang, X., Tamas, R., Jurkowska, R.Z., Komatsu, Y., Shinkai, Y., Cheng, X., Jeltsch, A. (2008) Protein lysine methyltransferase G9a acts on non-histone targets. *Nat. Chem. Biol.* 4, 344-346.
- **Dhayalan, A.,** Jurkowski, T.P., Laser, H., Reinhardt, R., Cheng, X., Jia, D., Jeltsch, A. (2008) Mapping of protein-protein interaction sites by the 'Absence of Interference' approach. *J. Mol. Biol.* 376, 1091-99.