



Sakthidasan Jayaprakash, PhD

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Professional experience

2018 - Present Assistant Professor (S.G.) at HITS, Chennai

2018 - 2018 Senior Scientist at Contract research organization, Bengaluru, India

2014 - 2017 PhD researcher at Aarhus University, Aarhus, Denmark

- Research projects oriented towards characterising macromolecular complexes
- Supervision of Bachelor student for thesis
- Prepared study material for bachelor students in medicine
- Written thesis and articles, published in peer reviewed journals
- Actively taken part in oral and poster presentations

2013 - 2013 Research assistant at Institute Curie, Paris, France

- Have expressed and purified proteins, monoclonal antibody purification
- Endogenous protein extraction
- Participated in international conferences

2011 - 2012 Masters Project at European Molecular Biology Laboratory, France

- Trained in molecular biology and protein biochemistry techniques
- Thesis submission

Education

2017 **PhD - Protein biochemistry**

Aarhus University, Aarhus, Denmark

2012 **Masters of Science - Applied Biotechnology**

Uppsala University, Uppsala, Sweden

2009 **B.Tech - Biotechnology**

SRM University, Chennai, India

Accomplishments

- Erasmus exchange scholarship award
- Publication in peer reviewed journals
- Mentored a student for master thesis
- Accomplished research projects by leading a team of master graduates

Publications

- **S. Jayaprakash**, L.T.M. Le, B. Sander, M.M. Golas. *Expression of the neural SIN3–REST/NRSF transcriptional corepressor complex as a target for small-molecule inhibitors* Molecular Biotechnology 2020
- A.L. Arunachalam, S. Induja, **J. Sakthidasan**, P.S. Raghavan. *Calcium borates incorporated with silver and zinc as promising antibacterial agents*. Materials Letters 2020
- Z. Zhang, Z. Wang, Y. Dang, J. Wang, **S. Jayaprakash**, H. Wang, J. He. *Transcriptomic Prediction of Pig Liver-Enriched Gene 1 Functions in a Liver Cell Line*. Genes 2020
- **S. Jayaprakash**, S. Drakulic, Z. Zhao, B. Sander, M.M. Golas. *The ATPase BRG1/SMARCA4 is a protein interaction platform that recruits BAF subunits and the transcriptional repressor REST/NRSF in neural progenitor cells*. Molecular and Cellular Biochemistry 2019
- M.M. Golas, **S. Jayaprakash**, L.T.M. Le, Z. Zhao, V. H. Huertas, I. S. Jensen, J. Yuan, B. Sander. *Modulating the expression strength of the baculovirus/insect cell expression system: a toolbox for the expression of tagged recombinant proteins and protein complexes*. Molecular Biotechnology 2018
- I.S. Jensen, K. Inui, S. Drakulic, **S. Jayaprakash**, B. Sander, M.M. Golas. *Expression of FLP protein for biotechnological purpose*. Protein journal 2017
- K. Inui, Z. Zhao, J. Yuan, **S. Jayaprakash**, L.T.M. Le, S. Drakulic, B. Sander, and M. M. Golas. *Stepwise assembly of functional C-terminal REST/NRSF transcriptional repressor complexes as a drug target*. Protein science 2017

Patent Published

A.John Presin Kumar, S.Sivakumar, **S. Jayaprakash**. *A simplified methodology for activated carbon synthesis for use in bioremediation*. Patent No. 21889. Intellectual Property Rights India