

Dr. Siddharth Kackar

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India

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GitHub Repository: <https://github.com/sidkackar>

Education

- **MSc in Neuroscience**
University College London, London, UK
September 2018 - September 2019
Supervisor: Prof. Matteo Carandini
Thesis: The role of secondary motor cortex in multisensory decision making
- **Bachelor of Medicine and Bachelor of Surgery (MBBS)**
Kasturba Medical College (KMC), Mangalore, Manipal University, India
August 2011 - August 2017

Work Experience

- **Compulsory Rotatory Residential Internship**
Dr. Shyama Prasad Mukherjee Civil Hospital, Lucknow, India
September 2016 - August 2017

Publications

- Kackar S, Suman E, Kotian MS. Bacterial and fungal biofilm formation on contact lenses and their susceptibility to lens care solutions. Indian J Med Microbiol 2017;35:80-4.
- 'The role of frontal cortex in multisensory decision-making' by Coen P., Wells M.J., Kackar S., Zatka-Haas P., Carandini M., Harris K.D. at Society for Neuroscience (SfN) conference, October 2019 in Chicago.

Awards

- Manipal University Certificate of Praise, March 2018.
- Indian Council for Medical Research (ICMR) Short Term Studentship 2014 for project titled 'Iridocorneal Angle changes in normal and glaucomatous eyes using anterior segment optical coherence tomography'.
- ICMR Short Term Studentship 2013 for project titled 'Bacterial and fungal biofilm formation on contact lenses and their susceptibility to lens care solutions'.

Conferences/Workshops

Presentations

- ‘The role of frontal cortex in multisensory decision-making’ by Coen P. (presenting author), Wells M.J., Kackar S., Zatka-Haas P., Carandini M., Harris K.D. at Society for Neuroscience (SfN) conference, October 2019 in Chicago.
- ‘Coating of catheters, cannulas and other such devices with quorum sensing inhibitors to prevent biofilms’ on Innovation Day, 2015 at Manipal Institute of Technology, Manipal.
- ‘Bacterial and fungal biofilm formation on contact lenses and their susceptibility to lens care solutions’ on Students’ Research Day, 2015 at KMC, Mangalore.
- ‘Age related iridocorneal angle changes in normal and glaucomatous eyes using anterior segment optical coherence tomography’ at the Indo German Convention of Lindau Alumni (IGCLA), 2015 at KMC, Manipal.
- ‘Prevalence of bronchial asthma among primary school children in Mangalore’ at the Kolkata Annual Research & Medical/Dental International Congress (KARMIC), 2013 at Medical College, Kolkata.

Other Conferences/Workshops Attended

- Fourth workshop on Advanced Methods in Theoretical Neuroscience – Structure and disorder: From random connections to functional circuits in Goettingen, July 2019.
- Annual BSBE Winter Workshop - 2016 on “Neural Systems: From circuits to behaviour” at Department of Biological Sciences & Bioengineering (BSBE), Indian Institute of Technology (IIT), Kanpur.
- Foundation workshop on clinical and laboratory medicine research by ICMR at KMC, Mangalore in March, 2014.
- Workshop on Molecular Biology at the National Institute of Cholera & Enteric Diseases, Kolkata as part of KARMIC, 2013.
- Symposium on Recent Trends in Biophysics at Manipal University in February, 2013.

Test Scores

- GRE (Revised) General Test - 335/340 (V: 170, Q: 165, AWA: 4.0) (17th July, 2018)

Other education

- Mathematics for Machine Learning Specialization by Imperial College London on Coursera (<https://www.coursera.org/account/accomplishments/specialization/certificate/VD37DECZ6UCL>).

Volunteer experience

- Class representative in the Manipal University Student Research Forum from February 2015 to February 2016.
- Volunteer at Volunteer Services Organisation, Manipal from 2012 to 2016 - mainly focused on public health awareness activities.

Skills

- MATLAB programming
- Primary medical care
- Medical research

References

- **Professor Matteo Carandini**
Professor of Visual Neuroscience
University College London, London, UK
Email ID: p.coen@ucl.ac.uk
- **Dr. Sumana Kamath**
Professor in Ophthalmology
Kasturba Medical College, Manipal University, Mangalore, India
Email ID: sumana.kamath@manipal.edu
- **Dr. Ethel Suman**
Associate Professor in Microbiology
Kasturba Medical College, Manipal University, Mangalore, India
Email ID: ethel.suman@manipal.edu