

# Dr. Siddharth Kackar

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India

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

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## 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*  
August 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.

## 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

- Poster titled '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.
- Presented poster titled '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.
- Presented poster titled 'Bacterial and fungal biofilm formation on contact lenses and their susceptibility to lens care solutions' on Students' Research Day, 2015 at KMC, Mangalore.
- Presented poster titled '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.
- Presented paper titled '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](mailto:p.coen@ucl.ac.uk)
- **Dr. Sumana Kamath**  
*Professor in Ophthalmology*  
Kasturba Medical College, Manipal University, Mangalore, India  
Email ID: [sumana.kamath@manipal.edu](mailto:sumana.kamath@manipal.edu)
- **Dr. Ethel Suman**  
*Associate Professor in Microbiology*  
Kasturba Medical College, Manipal University, Mangalore, India  
Email ID: [ethel.suman@manipal.edu](mailto:ethel.suman@manipal.edu)