

Call for Research Staff Positions - RESEARCH FELLOW

COLE is seeking to recruit TWO Research Fellows to work in an ocular imaging project and a biomedical optics project, respectively. The research fellows will be working in an advanced optical research lab in COLE and also working closely with clinicians and surgeons.

Duties and responsibilities:

He/ She will assist the Principal Investigators (PIs) in the successful execution of the project(s) and will also be encouraged to introduce new ideas and projects.

Perform research in experimental ocular imaging and develop novel approaches to high-resolution ocular imaging, image processing and instrumentation.

Conduct and coordinate research within NTU and SERI in line with its research strategy and under the supervision of the PIs and collaborators.

Manage these research projects in a team-based, cross-functional research environment, which include mentoring students and working with research assistants, and technical and other support staff.

Publish research outcomes in appropriate journals of international standing; Attend and present research findings and papers at academic and professional conferences, and to contribute to the external visibility of the centre.

Draft research reports for PIs and undertake specific roles and management functions as may be reasonably required by the PIs.

Attend meetings and to participate (where necessary) in other committees and work groups.

Ensure compliance with health and safety in all aspects of the research work.



Dateline for submitting CV and particulars-
30 June 2020

Job requirements:

- Ph.D. in Optics, Image Processing, Biomedical Engineering, Physics, Electrical Engineering, Computer Engineering or related discipline.
- Previous experience in high-resolution imaging, optical sectioning and image processing desirable.
- Expertise in the operation, handling and maintenance of CW and pulsed laser systems would be an advantage.
- Desirable: Possess good programming, automation and image processing skills (e.g. Electronics, MATLAB, Python, ImageJ).
- Proven publication track record would be an advantage.

Interested applicants should contact: A/Prof. Murukeshan Vadakke Matham, Director-COLE

E-mail: mmurukeshan@ntu.edu.sg