

Calling applications for a Ph.D./M.Phil. position

in Physics/Chemistry (developing RAMAN spectroscopy related methods)

A Ph.D./M.Phil. position is available in the Department of Chemistry, University of Colombo to carry out research in developing a state-of-the-art RAMAN micro-spectroscopy instrument and related synthesis of metal nanoparticle contrast agents to aid detection of chronic kidney disease biomarkers. The project is fully funded under the Accelerating Higher Education Expansion and Development (AHEAD) for a period of 3 years. The student will be primarily supervised by Dr. Neranga Abeyasinghe of the Department of Chemistry and co-supervised by academics from the Department of Physics. The project is a multidisciplinary research project with an international collaborator from the Lawrence Berkeley National Laboratory, CA, USA.

Candidates interested in pursuing a degree leading to a Ph.D. are invited to submit applications.

Project title:

Development of analytical methods to detect chronic kidney disease biomarkers using Raman spectroscopy

Start date: July 2019 (for 3 years)

Requirements:

Candidate is expected to possess the following minimum qualifications and qualities

- B.Sc. degree in either Physics or Chemistry
- Postgraduate research experience
- Excellent communication and writing skills in English
- Full time commitment for the duration of the project

Skills in synthetic Chemistry and Biochemistry with a record of research publications will be an added advantage. Dissemination of knowledge is an important part of research and therefore the candidate is expected to publish and present his/her research findings at national/international (academic) spheres.

Monthly stipend: LKR 55,000/- (inclusive of all benefits)

Application procedure:

Applicant should send **a detailed CV and contacts of 3 referees** by **email to Dr. Neranga Abeyasinghe (neranga@chem.cmb.ac.lk)**. Review of applications will begin ***immediately*** and continue until the position is filled.

Dr. Neranga Abeyasinghe
Department of Chemistry
University of Colombo

MAY. 23rd, 2019