The Biological & Biomimetic Materials Laboratory in the School of Materials Science and Engineering (http://www.mse.ntu.edu.sg/) at NTU is looking for 1 Research Fellow (RFs)/Post-doc to participate in an exciting multi-disciplinary research program in the field of Liquid-Liquid Phase Separation (LLPS).

We are looking for a candidate with strong expertise in Transmission Electron Microscopy (TEM) of Biological Samples, ideally with previous skills in liquid phase TEM and/or Cryo TEM. The RF will be in charge of investigating the mechanisms and dynamics of protein droplet formation in a variety of model systems exhibiting LLPS, including extra-cellular proteins, actin self-assembly or in the carbon fixation enzyme Rubisco.

The successful candidate should have strong technical expertise in TEM of biological samples, and ideally well-versed in recent developments of liquid-phase TEM and/or CryoEM. Additional expertise in Life Sciences techniques such as protein expression and purification and other biophysical characterization or imaging (such as AFM) will be favourably considered.

Job qualifications

a. PhD in Materials Science, Biology, or Chemistry.

b. Specialization in TEM characterization, with a solid knowledge and technical expertise in latest developments of liquid-phase TEM and CryoTEM.

c. Knowledge of protein expression and purification methods will be favorably considered.

d. Exposure to inter-disciplinary research programs combining Physical and Life Sciences.

The successful candidate will be part of a dynamic interdisciplinary research team that is broadly tackling LLPS. He/she will closely collaborate with cell biologists, biochemists, structure biologists and materials scientists within the frame of a large research program devoted to LLPS.

Salary are internationally competitive at the post-doctoral level, and commensurate with experience. The program will have access to top-notch research infrastructures and the research atmosphere at NTU and Singapore in general is diverse, vibrant, and well-funded. The School of MSE at NTU is consistently ranked in the top 5 worldwide. The research will involve a substantial level of international collaborations with world-leading academic institutions.

Suitably qualified applicants are invited to send in their application with detailed resume and sample research publications by email to:

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