

### **Immediate Opening: Assistant Research Officer**

Aging is the major risk factor for neurodegenerative diseases and poses significant socio-economic challenges to Singapore. At Temasek Life Sciences Lab in NUS main campus, my group (<http://www.tll.org.sg/group-leaders/ong-chin-tong/>) employs latest molecular and genomic approaches to study the regulatory mechanisms of aging and Alzheimer's disease (AD) in several model systems: *Drosophila*, mouse embryonic stem cells and human iPSCs-induced neurons. Our eventual goal is to translate findings from basic research into aging biomarkers and possible interventions that may delay age-onset AD. Recently, we have shown that aberrant intron retention is a signature of aging and AD tissues (Adusumalli et al., 2019. PMID: 30868713) and DNA methylation status can be fine-tuned by Tet3 phosphorylation (Rao et al., 2020 PMID: 31807777). An ARO position is available immediately to conduct follow-up study on the interesting results from these works.

### **Responsibilities:**

The candidate will conduct molecular and genetic experiments to elucidate key mechanisms and epigenetic programs that regulate the aging and AD progression using the mammalian primary cells lines. The person will be trained in following areas and has the opportunity to spearhead independent project/publish scientific paper.

- Molecular techniques like DNA cloning, imaging and purification of proteins
- Chromatin immunoprecipitation and next generation sequencing
- Cell culture experiment

### **Requirements:**

- Bachelor of Science Honours (Distinction or above) in Biological Sciences or related fields from reputable university
- Highly-motivated individual who is willing to learn new experimental techniques
- Competent (both practical and theoretical aspects) in the area of genetics and molecular biology

Salary and benefits are commensurable to educational qualifications and working experience of the candidate. Benefits include annual leave, medical and flexi-benefits, etc.

Interested individuals should send their applications (including a cover letter, curriculum vitae and 2 references) to:

Ong Chin Tong, Ph.D.

Principal Investigator

Temasek Life Sciences Laboratory Ltd

Email: [chintong@tll.org.sg](mailto:chintong@tll.org.sg)

*(Please note that only shortlisted candidates will be notified)*