

The **Laboratory of Skin Stem Cell Dynamics**, headed by **Dr. Kenneth Lay**, investigates how stem cells of the skin govern tissue homeostasis and contribute to disease pathogenesis so as to reveal novel pharmacological intervention points. We focus on two stem cell populations that maintain distinct compartments of the skin throughout our lifetime: epidermal stem cells and hair follicle stem cells. We use in vivo mouse models and in vitro human 2D cell culture, 3D skin organotypics and iPSC-derived skin organoids, and employ cell and molecular biology, biochemistry and omics technologies to tackle inflammatory skin disorders, including atopic dermatitis and hair loss.

We are looking for a **Postdoctoral Fellow** to join our laboratory in **A*STAR Skin Research Labs (A*SRL)** and affiliated with **Skin Research Institute of Singapore (SRIS)**, a tripartite partnership between A*STAR, Nanyang Technological University (NTU) and National Skin Centre (NSC) to improve skin health in Asia and globally.

Duties and responsibilities:

- Lead, design and perform experiments involving mouse models, human cell cultures, bulk and single cell omics technologies, genome editing, biochemistry, cell and molecular biology
- Apply for individual research grants as part of career development
- Present findings at seminars, meetings and conferences
- Write manuscripts for publication
- Contribute to mentorship of students, interns and technicians in the laboratory
- Be an excellent team player to move science forward together

Requirements:

- PhD in Life Sciences or related fields
- Strong background in cell and molecular biology, biochemistry, developmental and stem cell biology, and/or immunology
- Experience in mouse models, omics technologies and data analysis is a plus
- Track record of peer-reviewed scientific publications with at least one first-author paper
- Dedication, motivation and passion in scientific research and learning
- Exceptional analytical, experimental design, technical and problem-solving skills
- Proficiency in communication, writing and editing scientific documents
- Demonstrated ability to work independently as well as collaboratively and efficiently in a team

We offer:

- A well-funded laboratory supported by A*STAR and National Research Foundation (NRF) to pursue a combination of exciting projects and your scientific interests
- A nurturing, supportive and stimulating environment with close mentorship to develop your scientific career
- Access to state-of-the-art technologies, scientific resources, core facilities and infrastructure housed within A*SRL, A*STAR and SRIS to facilitate your research work
- Access to collaborations with clinicians and industrial partners to translate findings from bench to bedside

Please send *curriculum vitae* and full contact information of at least three referees, mentioning “**Postdoctoral Fellow**” in the subject of the application, to kenneth_lay@asrl.a-star.edu.sg.