

The Lee lab at the Graduate Institute of Immunology, National Taiwan University College of Medicine is seeking a highly motivated postdoctoral research scientist to work on a project identifying novel molecules regulating dendritic cell development

We have successfully established two systems to study DC development in vitro, namely primary CLP and a mouse hematopoietic cell line. We have demonstrated DC developmental program from progenitors is highly dynamic, depending on environmental cues. The project involves *in silico* analysis and a systemic approach using shRNA to dissect novel genes participating in DC development during steady-state and inflammation.

Critical Skills

A Ph.D in immunology, molecular biology or a related field from an accredited college/university

Desirable Skills

Experience in immunology

Experience in mouse handling

Experience in flow cytometry

Preferably not more than 3 years of previous training in a postdoctoral role

Further information about the lab can be found at our institute website at <http://www.mc.ntu.edu.tw/department/iim/index.html>. To make informal enquiries about this position, please contact Chien-Kuo Lee leeck@ntu.edu.tw. Interested candidates are invited to send a cover letter and CV (including a minimum of 2 references)

Select Publications

1. Yi-Ling Chen, Ting-Ting Chen, Li-Mei Pai, Joanna Wesoly, H. A. R. Bluysen and Chien-Kuo Lee 2013 A type I IFN/Flt3 ligand axis augments plasmacytoid dendritic cell development from common lymphoid progenitors. *J. Exp. Med.* 210:2515-2522.
2. Yi-Ling Chen, Shiun Chang, Ting-Ting Chen and Chien-Kuo Lee 2015 Efficient generation of plasmacytoid dendritic cell from common lymphoid progenitors by Flt3 ligand. *PLoS One* 10(8): e0135217 DOI:10.1371/journal.pone.0135217.
3. Shiun Chang, Li-Mei Pai and Chien-Kuo Lee 2015 In vitro generation of murine plasmacytoid dendritic cells from common lymphoid progenitors using the AC-6 feeder system. *JoVE* 105:e53211, doi: 10.3791/53211.