

We are actively recruiting a highly motivated 1-2 post-doctoral associates with an interest in macrophage biology. We focus on the origins and overlapping/ distinct roles of tissue resident macrophages and bone marrow (HSC)-derived inflammatory macrophages in health and inflammation.

Postdoctoral associates will focus on (i) how macrophages contribute to tissue homeostasis by interacting with stromal cells, (ii) how tissue microenvironments (e.g. tissue metabolites, microbiome) shape tissue specificity of macrophages and (iii) what/how macrophage populations mediate the tissue inflammation for tissue repair/ remodeling, taking advantage of flow cytometric analysis, intravital imaging, transcriptomic analysis and conventional immunological assays with macrophage specific-reporters and -depletion mouse models.

The candidates should have

- (i) Ph.D. or M.D./Ph.D. degree in related area
- (ii) Experience of the mouse models and inflammatory disease
- (iii) First author papers in peer-reviewed journals.

Additional preferred qualifications are as follows:

- Major in Immunology or Microbiology
- Experience in sequencing analysis (single-cell RNA-seq, bulk-RNAseq ATAC-seq)
- Experience in infectious disease model (bacterial- and viral infections)

Applicants can apply for this position through an email (kiwook@uic.edu) with CV, contact information (2-3 referees) and cover letter describing research interests and career goals.

University of Illinois is an equal opportunity and affirmative action employer. The University of Illinois at Chicago is an Equal Opportunity, Affirmative Action employer. Minorities, women, veterans and individuals with disabilities are encouraged to apply. The University of Illinois conducts background checks on all job candidates upon acceptance of contingent offer of employment. Background checks will be performed in compliance with the Fair Credit Reporting Act.