

**CHIEN-KUO LEE, Ph.D.**

Affiliation:

Immunology

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**Academic History:**

1. 1998 Ph.D. Department of Pathology, New York University School of Medicine (NYUSM), USA
2. 1989 M.S. Graduate Institute of Microbiology & Immunology, National Yang-Ming University
3. 1987 B.S. Department of Zoology, National Taiwan University (Now Dept. Life Science)

**Professional/Scientific Career:**

Current position:

Professor Graduate Institute of Immunology, National Taiwan University College of Medicine.

Experience:

1. Dept. Pathology, New York University School of Medicine, USA (2000-2002)
  2. National Institute for Medical Research, UK (1999-2000)
- Dept. Pathology, New York University School of Medicine, USA (1998-1999)

**Awards/Professional Societies:**

- Molecular Immunology, Cytokine signal transduction, and hematopoiesis

**Research Area/ Interests:**

The interests of the lab mainly focus on the biological roles of the signal transducer and activation of transcription (STAT) proteins, including STAT1, STAT2 and STAT3, in innate and adaptive immunity. The directions of the research include A). TLR induced antibody response in marginal zone B cells B). Regulation of DC development and differentiation C). Negative regulation of type I IFN-dependent antiviral and TLR response.

**Publications** \* corresponding author

**Selected publications** (Original article, ; Review, )

1. Chang S, Pai LM, Lee CK .In Vitro Generation of Murine Plasmacytoid Dendritic Cells from Common Lymphoid Progenitors using the AC-6 Feeder System. *J Vis Exp*. 2015 Nov 23;(105).
2. Chen YL, Chang S, Chen TT, Lee CK .Efficient Generation of Plasmacytoid Dendritic Cell from Common Lymphoid Progenitors by Flt3 Ligand. *PLoS One*. 2015 Aug 11;10(8):e0135217.
3. Lee TL, Chang ML, Lin YJ, Tsai MH, Chang YH, Chuang CM, Chien Y, Sosinowski T, Wang CH, Chen YY, Lee CK, Chen JS, Wang LF, Kung JT, Ku CC. An alternatively spliced IL-15 isoform modulates abrasion-induced keratinocyte activation. *J Invest Dermatol*. 2015 May;135(5):1329-37.
4. Lee WH, Wang PY, Lin YH, Chou HY, Lee YH, Lee CK, Pai LM. Effects of RING-SH2Grb<sup>2</sup>, a chimeric protein containing the E3 ligase domain of Cbl, on the EGFR pathway. *Chin J Physiol*. 2014 Dec 31;57(6):350-7.
5. Wang WB, Levy DE, Lee CK. STAT3 negatively regulates type I IFN-mediated antiviral response. *J Immunol*. 2011 Sep 1;187(5):2578-85.