



## *Curriculum Vitae*

### *PERSONAL INFORMATION:*

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### *EDUCATION:*

2003 Ph.D. Department of Molecular Virology, Immunology and Medical Genetics, The Ohio State University  
1996 M.S. The Graduate Institute of Microbiology and Immunology, National Yang-Ming University, Taiwan  
1993 B.S. Department of Marine Resources, National Sun Yat-Sen University, Taiwan

### *RESEARCH EXPERIENCE:*

Aug 2008-present Assistant Professor, Graduate Institute of Basic Medical Science, China Medical University, Taiwan  
Dec 2003-Jun 2008 Postdoctoral associate, Department of Immunobiology, Yale University School of Medicine, New Haven, CT  
Sept 1997 – Aug 2003 Graduate Student, Department of Molecular Virology, Immunology and Medical Genetics, The Ohio State University, Children's Research Institute, Columbus, OH  
1997 Research Assistant, Cancer Research Center, National Taiwan University Hospital, Taiwan  
1994 – 1996 Graduate Student, the Graduate Institute of Microbiology and immunology, National Yang-Ming University, Taiwan  
1993 – 1994 Research Assistant, Institute of Zoology, Academia Sinica, Taiwan

### AWARDS AND HONORS:

- 2000-2003                      The Raymon E. Mason Foundation Fellowship for graduate study
- 2000                              First place--- Second Annual Student Colloquium in the department of Molecular Virology Immunology and Medical Genetics at the Ohio State University

### PUBLICATIONS:

1. **Hui-Chen Chen**, Anna M Tan, Caroline Sokol, Damani A Piggott, and Kim Bottomly. Role of Toll-like receptor-4 signaling in regulating pulmonary dendritic cell function in response to inhaled antigen. (Manuscript in preparation)
2. Anna M. Tan, **Hui-Chen Chen**, Stephanie C. Eisenbarth, Christina A. Herrick and Kim Bottomly. Toll-like receptor 4 signaling in airway stromal cells is critical to the initiation of allergic T helper type 2 responses to inhaled antigen(submitted)
3. Dittrich AM, **Hui-Chen Chen**, Xu L, Ranney P, Connolly S, Yarovinsky T, Bottomly K. 2008. A New Mechanism For Inhalational Priming: IL-4 Bypasses Innate Immune Signals. *J. of Immunol.*181(10):7307-7315
4. Jan Czyzyk, **Hui-Chen Chen**, Kim Bottomly and Richard A.Flavell. 2008. P21 Ras/Impedes Mitogenic signal Propagationregulates cytokine production and migration in CD4 T cells *J Biol Chem.* 283(34):23004-15
5. **Chen, Hui-Chen**, Byrd JC, Muthusamy N. 2006. Differential role for cyclic AMP response element binding protein-1 in multiple stages of B cell development, differentiation, and survival. *J Immunol.* 176(4):2208-18
6. **Chen , Hui-Chen**, Chen CH, Chuang NN. 2004. Differential effects of prenyl pyrophosphates on the phosphatase activity of phosphotyrosyl protein phosphatase. *J Exp Zoolog A Comp Exp Biol.* 2004 Apr 1;301(4):307-16
7. **Chen, Hui-Chen**, Frissora F, Durbin JE, Muthusamy N. 2003 Activation induced differential regulation of stem cell antigen-1 (Ly-6A/E) expression in murine B cells. *Cell Immunol.*;225(1):42-52.
8. Frissora F, **Chen, Hui-Chen**, Durbin J, Bondada S, Muthusamy N. 2003. IFN-gamma-mediated inhibition of antigen receptor-induced B cell proliferation and CREB-1 binding activity requires STAT-1 transcription factor. *Eur J Immunol.* 33(4): 907-12.
9. Huang, C. F., **H.-C. Chen**, N. N. Chuang and C. M. Kuo. 1995. The  $\zeta$  Protein Kinase C Isoform from the Testis of the Grey Mullet *mugil cephalus* with a Specific Reaction Protein of Mr 48,000 on Oolemma. *Comp. Biochem. Physiol.* Vol 111C, No. 3, pp. 429-433.

### Abstracts:

1. Frissora, F., **Chen, H.-C.**, Durbin, J., Muthusamy, N. Abstract: Antigen Receptor Induced cAMP Response Element Binding Activity in Murine B Cells is Negatively Regulated by IFN $\gamma$ . ~PAA/PAS Joint Meeting, Boston, MA, May 12 - May 16, 2000.
2. **Chen, H.-C.**, Frissora, F. and Muthusamy, N. A Transgenic Approach to Define the Role of Cyclic AMP Response Element Binding Proteins in B Cells.10<sup>th</sup> Int. Congress of Immunology, New Delhi, India, 1998.
3. **Hui-Chen Chen** , Piggott DA, Xu L, and Bottomly K. CD4+CD25+ T cells Regulate TLR4 Signaling in Pulmonary Dendritic Cells. American Academy of Allergy Asthma and Immunology Annual Meeting, San Diego, CA, February 23-27, 2007.

4. **Chen , Hui-Chen**, Piggott DA, Xu L, Preston-hurlburt P and Bottomly K. Regulation of TLR4 Signaling in Pulmonary Dendritic cells. 9<sup>th</sup> International Conference on Dendritic Cells, Edinburgh, Scotland, 16-20 Sept. 2006
5. **Hui-Chen Chen** and Natarajan Muthusamy. Cyclic AMP response element binding protein plays a critical role in early development and functional maturation of B lymphocytes in mice. Abstract, Pediatric Academic Societies and American Academy of Pediatrics joint meeting, Seattle, WA. May 3-7, 2003.
6. **Hui-Chen Chen** and Natarajan Muthusamy. A Transgenic model reveals a role for CREB transcription factor in B cell development and differentiation. Abstract. 31<sup>st</sup> Autumn Immunology Conference. Chicago, IL, Nov. 23-25, 2002.
7. **Chen, H.-C.** and Natarajan Muthusamy. Differential role for CREB transcription of B-1 and B-2 B cell development in mice. Experimental Biology, Annual Meeting of the American Association of Immunologists, 2002. New Orleans, LA, April 20-24, 2002.
8. Muthusamy, N and **Chen, H.-C.** A Transgenic Approach to Defines Differential Role for cAMP Responsive Element Binding Protein in B-1 and B-2 B Cell Development in Mice. 11<sup>st</sup> Int. Congress of Immunology, N, Stockholm, Sweden. 22-27 July, 2001.
9. **Chen, H.-C.** and Natarajan Muthusamy. A transgenic approach defines a differential role for CREB transcription factor in B-1 and B-2 B cell development in Mice. Abstract, Pediatric Academic Societies and American Academy of Pediatrics joint meeting, Baltimore, April 28<sup>th</sup>-May 1<sup>st</sup>, 2001.
10. **Chen, H.-C.** and Natarajan Muthusamy. A transg.enic approach defines a differential role for CREB transcription factor in B-1 and B-2 B cell development in Mice. Abstract. Experimental Biology, Annual Meeting of The American Association of Immunologists, 2001. Orlando, FL, March 31-Aprial 4, 2001.
11. **Chen, H.-C.**, Muthusamy, N. Abstract: Differential Regulation of Stem Cell Antigen-1 (Ly-6A/E) Expression during Murine B Cell Activation. PAA/PAS Joint Meeting, Boston, MA, May 12 - May 16, 2000.