



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

WORK EXPERIENCE:

Aug 2016 – present Associate Professor, Graduate Institute of Biomedical Sciences, China Medical University, Taiwan
Feb 2015 - present Associate Professor, Graduate Institute of Basic Medical Science, China Medical University, Taiwan
Aug 2008 - Jan 2015 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

RESEARCH INTERESTS:

Innate immunity; Regulation of dendritic cell functional maturation; Cellular and molecular mechanisms of the allergic airway inflammation

PUBLICATIONS:

1. Yung-An Tsou , Chia-Der Lin , **Hui-Chen Chen**, Hui-Ying Hsu, Lii-Tzu Wu, Chuan Chiang-Ni, Chih-Jung Chen, Tsu-Fang Wu, Min-Chuan Kao, Yu-An Chen, Ming-Te Peng, Ming-Hsui Tsai, Chuan-Mu Chen , Chih-Ho Lai, Interleukin-13 Inhibits Lipopolysaccharide-Induced BPIFA1 Expression in Nasal Epithelial Cells, PLoS One. 2015 Dec 8;10(12):e0143484
2. **Hui-Chen Chen**, Wan-Chu Chien, Miao-Ying Jang, Ming-Yu Hsieh, Ming-Der Lai, Maa Ming-Chei* and Tzeng-Horng Leu, The iNOS/Src/FAK axis contributes to lithium chloride-mediated macrophage migration, NITRIC OXIDE-BIOLOGY AND CHEMISTRY, 2015 Apr, 47:58-64 (IF=30521, 95/289, Biochemistry & Molecular Biology)
3. Chun-Chieh Yeh, Chia-Ing Jan, Horng-Ren Yang, Po-Han Huang, Long-Bin Jeng, Wen-Pang Su, and **Hui-Chen Chen***, Comparison and Efficacy of LigSure and Rubber Band Ligature in Closing the Inflamed Cecal Stump in a Rat model of Acute Appendicitis. BIOMED RESEARCH INTERNATIONAL, 2015 Jan, vol. 2015, Article ID 260312, 8 pages. doi:10.1155/2015/260312 (changed from JOURNAL OF BIOMEICINE AND BIOTECHNOLOGY; IF=2.706, 50/124, Medicine, Research & Experimental)
4. Sue-Jane Lin*, Ming Lo, Rei-Lin Kuo, Shin-Ru Shih, David M Ojcius, Jean Lu, Chien-Kuo Lee, **Hui-Chen Chen**, Meei Yun Lin, Chuen-Miin Leu, Chia-Ni Lin and Ching-Hwa Tsa *, The pathological effects of CCR2+ inflammatory monocytes are amplified by an IFNAR1-triggered chemokine feedback loop in highly pathogenic influenza infection, JOURNAL OF BIOMEDICAL SCIENCE. 2014 Nov 18;21(1):99 (IF=2.736, 49/124, Medicine, Research & Experimental)
5. Ming-Yu Hsieh, Miao Ying Chang, Yen-Jen Chen, Li Yung Kuo, Tsung-Hsien Chuang, Guann-Yi Yu, Chun Hei Antonio Cheung, **Hui-Chen Chen**, Ming-Chei Maa*, Tzeng-Horng Leu* , The inducible nitric-oxide synthase (iNOS)/Src axis mediates Toll-like receptor 3 Tyrosine 759 phosphorylation and enhances its signal transduction, leading to interferon-beta synthesis in macrophages , JOURNAL OF BIOLOGICAL CHEMISTRY , 2014 Mar , 289(13):9208- 9220 (IF=4.6; 65/291, Biochemistry & Molecular Biology)
6. Yung-An Tsou, Ming-Te Peng, Yi-Fang Wu, Chih-Ho Lai, Chia-Der Lin, Chih-Jaan Tai, Ming-Hsui Tsai, Chuan-Mu Chen*, **Hui-Chen Chen*** , Decreased PLUNC expression in nasal polyps is associated with multibacterial colonization in chronic rhinosinusitis patients , EUROPEAN ARCHIVES OF OTO-RHINO-LARYNGOLOGY , 2014 Feb , 271(2): 299-304: (IF=1.608; 13/44, Otorhinolaryngology)
7. Jiunn-Horng Chen, Po-Han Huang, Chen-Chen Lee, Pin-Yu Chen, **Hui-Chen Chen*** , A bovine whey protein extract can induce the generation of regulatory T cells and shows potential to alleviate asthma symptoms in a murine asthma model , BRITISH JOURNAL OF NUTRITION , 2013 May , 109(10):1813-1820 (IF=3.343; 21/79, Nutrition & Dietetics)
8. **Hui-Chen Chen**†, Hao-Teng Chang†, Po-Han Huang, Margaret Dah-Tsyr Chang, Ren-Shyan Liu, Yu-Jung Lin, Chia-Hung Hsieh* , Molecular Imaging of Heparin Sulfate Expression with Radiolabeled rECP Predicts Lung Allergic Inflammation in a Mouse Model for Asthma , JOURNAL OF NUCLEAR MEDICINE , 2013 May , 54(5):1-8 (IF=5.563; 6/122, Radiology, Nuclear Medicine & Medical Imaging)
9. Chih-Yang Huang, Chien-Hsun Lin, Tung-Tso Ho, **Hui-Chen Chen**, Mei-Yun Chu, Wei-Shen Sun, Wei-Chien Kao, Shan-hui Hsu*, Huey-Shan Hung* , Enhanced migration of Wharton's jelly mesenchymal stem cells grown on polyurethane nanocomposites , Journal of Medical and Biological Engineering , 2013 May , 33(2):139-148 (IF=0.904;

60/78, ENGINEERING, BIOMEDICAL)

10. Yung-An Tsou, Tzu-Chieh Lin, Chih-Jaan Tai, **Hui-Chen Chen**, Te-Huei Yeh, Horng-Jyh Harn, Ming-Hsui Tsai, Chia-Ing Jan* , Decreased SPLUNC1 expression is associated with Pseudomonas infection in surgically treated chronic rhinosinusitis patients who may require repeated sinus surgery , LARYNGOSCOPE , 2013 , Apr, 123(4):845-851 (IF=2.032; 9/44, Otorhinolaryngology)
11. Ko-Hsin Chin†, Zhi-Le Tu†, Yi-Che Su†, Yu-Jen Yu, **Hui-Chen Chen**, Yuan-Chao Lo, Chin-Pan Chen, Glen Barber, Mary Lay-Cheng Chuah, Zhao-Xun Liang, Shan-Ho Chou* , Novel c-di-GMP recognition modes of the mouse innate immune adaptor protein STING , ACTA CRYSTALLOGRAPHICA SECTION D-BIOLOGICAL CRYSTALLOGRAPHY , 2013 Mar , 69(Pt3):352-366 (IF=7.232; 30/291, Biochemistry and Molecular Biology)
12. Jiunn-Horng Chen, Wen-Harn Pan*, Chih-Cheng Hsu, Wen-Ting Yeh, Shao-Yuan Chuang, Pin-Yu Chen, **Hui-Chen Chen**, Chwen-Tzuei Chang and Wei-Lun Huang , Impact of obesity and hypertriglyceridemia on gout development with or without hyperuricemia: a prospective study , ARTHRITIS CARE & RESEARCH , 2013 Jan , 65(1):133-140 (IF=4.039; 8/30, Rheumatology)
13. Chen-Chen Lee*, Wang CN, Kang JJ, Laio JW, Chiang BL, **Hui-Chen Chen**, Chia-Der Lin, Huang SH, Lai YT , Anti-Allergic Asthma Properties of Brazilin through Inhibition of T(H)2 Responses in T Cells and in a Murine Model of Asthma , JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY , 2012 Sep , 60(37):9405-9414 (IF=3.107; 2/56, AGRICULTURE, MULTIDISCIPLINARY)
14. Dah-Yuu Lu †, **Hui-Chen Chen**†, MS Yang, Yuan-Man Hsu, HJ Lin, Chih-Hsin Tang, Che-Hsin Lee, Cheng-Kuo Lai, Chun-Jung Lin, Woei-Cherng Shyu, FY Lin, Chih-Ho Lai* , Ceramide and TLR4 are mobilized into membrane rafts in response to Helicobacter pylori infection in gastric epithelial cells , INFECTION AND IMMUNITY , 2012 Jun , 80(5):1823-1833 (IF=4.156; 14/72, Infectious Disease; 38/144 Immunology)
15. Yen-Jen Chen, Ming-Yu Hsieh, Miao Ying Chang, **Hui-Chen Chen**, Ming-Shiou Jan, Maa Ming-Chei*, Tzeng-Horng Leu* , Eps8 protein facilitates phagocytosis by increasing TLR4-MyD88 protein interaction in lipopolysaccharide- stimulated macrophages , JOURNAL OF BIOLOGICAL CHEMISTRY , 2012 May , 287(22):18806-18819 (IF=4.6; 65/291, Biochemistry&Molecular Biology)
16. Natarajan Muthusamy*, **Hui-Chen Chen**, Girish Rajgolikar, Kenneth G. Butz, Frank W. Frizzera, Richard M. Gronostajski , Recombination activation gene-2-deficient blastocyst complementation analysis reveals an essential role for nuclear factor I-A transcription factor in T-cell activation , INTERNATIONAL IMMUNOLOGY , 2011 Jun , 23(6):385-390 (IF=3.181; 61/144, Immunology)
17. Ming-Chei Maa, Miao Ying Chang, Jiarung Li, Yu-Yun Li, Ming-Yu Hsieh, Ching-Jau Yang, Yen-Jen Chene, Yahan Li, **Hui-Chen Chen**, Wei Erh Cheng, Ching-Yun Hsieh, Chun-Wen Cheng, Tzeng-Horng Leu* , The iNOS/Src/FAK axis is critical in Toll-like receptor-mediated cell motility in macrophages , BIOCHIMICA ET BIOPHYSICA ACTA- MOLECULAR CELL RESEARCH, 2011 Jan 1813(1): 136-147. (IF=5.297; 52/291, Biochemistry& Molecular Biology)
18. Melanie Albrecht, **Hui-Chen Chen**, Paula Preston-Hurlburt, Patricia Ranney, Heinz-Gerd Hoymann, Joachim Maxeiner, Valerie Staudt, Christian Taube, H. Kim Bottomly, Anna-Maria Dittrich* , T(H)17 cells mediate pulmonary collateral priming , JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY, 2011 Jul , 128(1):168-177 (IF=11.24; 8/144, Immunology)

19. Huey-Shan Hung, **Hui-Chen Chen**, Chang-Hai Tsai, Shinn-Zong Lin* , Novel approach by nanobiomaterials in vascular tissue engineering , CELL TRANSPLANTATION , 2011 Jan , 20(1):63-70 (IF=4.422; 24/121, MEDICINE, RESEARCH & EXPERIMENTAL)
20. Chen-Chen Lee*, Chien-Neng Wang, Yu-Ting Lai, Jaw-Jou Kang, Jiunn-Wang Liao, Bor-Luen Chiang, **Hui-Chen Chen**, Yu-Wen Cheng , Shikonin Inhibited Bone Marrow-Derived Dendritic Cell Maturation and Suppressed Allergic Airway Inflammation in a Murine Model of Asthma , BRITISH JOURNAL OF PHARMACOLOGY , 2010 Dec , 161(7):1496-511 (IF=4.99; 21/256, Pharmacology & Pharmacy)
21. Anna M. Tan*, **Hui-Chen Chen**, Pierre Pochard, Stephanie C. Eisenbarth, Christina A. Herrick, H. Kim Bottomly , TLR4 signaling in stromal cells is critical for the initiation of allergic Th2 responses to inhaled antigen , JOURNAL OF IMMUNOLOGY , 2010 Mar , 184(7):3535-3544 (IF=5.362; 24/144, Immunology)
22. Anna M. Dittrich*, **Hui-Chen Chen**, Lan Xu, Patricia Ranney, Sean Connolly, Timur O. Yarovinsky and H. Kim Bottomly , A new mechanism for inhalational priming: IL-4 bypasses innate immune signals , JOURNAL OF IMMUNOLOGY , 2008 Nov , 181(10):7307-7315. (IF=5.362; 24/144, Immunology)