**CURRICULUM VITAE**

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謝世良 (Shie-Liang Hsieh) M.D., D. Phil.

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**PERSONAL INFORMATION**

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 Genomics Research Center, Academia Sinica

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**EDUCATION**

 1992 D. Phil, Department of Biochemistry, University of Oxford, UK

 1988 Master, Institute of Microbiology and Immunology, Taipei, Taiwan

 1984 MD. National Yang-Ming University (NYMU) School of Medicine, Taipei, Taiwan

**POSTGRADUATE INFORMATION:** **1993-1994**

 Post-doctor fellow (Robert Wood Johnson's Fellowship)

 Department of Microbiology and Immunology, Stanford University School of Medicine

 Mentor: Hugh. O. McDevitt, M.D.

**EXPEREINCE**

2013/08-present Distinguished Research Fellow, Genomics Research Center, Academia Sinica

2014/08-present Adjunct Professor, National Taiwan University College of Medicine

2014/01-present Research Fellow, Taipei Veterans General Hospital

2013/08-present Adjunct Professor, National Yang-Ming University

2012/10-present Adjunct Professor, The Institute for Cancer Biology and Drug Discovery,

 College of Medical Science and Technology, Taipei Medical University.

2010/08-2013/07 Director, Institute of Clinical Medicine, NYMU

2010/08-2013/07 Director, Infection and Immunity Research Center, NYMU

2006/01-2013/12 Distinguished Professor, NYMU

2005/01-2014/07 Adjunct Senior Investigator, National Health Research Center, Taiwan

2005/08-2007/07 Director, Department of Microbiology and Immunology, NYMU

2004/12-2005/07 Director, Department of Research and Education, Taipei City Hospitals

2007/08-2008/12 Visiting Scholar, The Scripps Research Center (hosted by Prof. Chi-Huey

Wong)

2006 Visiting Scholar, The Scripps Research Center (hosted by Prof. James Paulson)

2000/08-2013/07 Director, Immunology Research Center, NYMU

2000/08-2010/07 Professor, Department of Microbiology and Immunology, NYMU

1998 summer Visiting Scholar, Stanford University, (hosted by Professor Hugh McDevitt)

1998 summer Visiting Scholar, DNAX (hosted by Dr. Yung-Jung Liu)

1994/08-2000/07 Associate Professor, Department of Microbiology and Immunology, NYMU

1993/01-1994/07 Post-fellow, Stanford University, Palo Alto, USA

**FIELD OF SPECIALTY (Research Interest)**

**1)** Glycoimmunology; 2) Host-Pathogen Interaction; 3) Immunomodulation

**HONORS &AWARDS**

2013 8th Session TienTe Lee Award (第八屆永信李天德卓越醫藥科技獎)

2012 National Chair Professor Award (教育部第16屆國家講座)

2010 Outstanding Researcher Award from the National Science Council (國科會傑出研究獎)

2009 Long-Term Award from **Acer** Foundation (第四屆宏碁基金會龍騰微笑得獎人)

2009 Academic Achievement Award, Ministry of Education (教育部第53屆學術獎)

2009 Academic Achievement Award, Ministry of Education (台灣醫學會杜聰明博士紀念演

講獎)

2009 中華民國免疫學會傑出研究學者獎

2008 Outstanding research Achievement to National Health, “Ming-Ning Wang Memorial

 Foundation” (2008), (第十八屆王民寧獎-傑出貢獻獎得獎人)

2003 Outstanding Alumni, National Yang-Ming University (第一屆陽明大學 傑出校友)

2003 Outstanding Researcher Award from the National Science Council (國科會傑出研究獎)

1999 Outstanding Researcher Award from the National Science Council (國科會傑出研究獎)

1992 Irvington Medial Foundation post-doctoral fellowship ‘Robert Wood Johnson Fellow’

1989 Oversea Research Scholarship (ORS) from the University of Oxford

1989 Oversea PhD studentship from the Ministry of Education, Taiwan

**PATENTS**:

1. ‘Placenta derived apoptosis factor (PDAF) (US patent 6,689,867 B1)
2. Composition and methods for identify response targets and treating flaviviral infection response” (U.S patent 7,943,134 B2/May 17 11, 2011)
3. Methods and reagents for the analysis and purification of polysaccharides (US patent 7998482/Aug. 16, 2011).
4. 用於偵 測 目標反應與治療黃病毒感染症狀之化合物之及方法(中華民國 403886 號, 2013)
5. "METHOD FOR TREATING INFLUENZA A VIRUS INFECTION" PCT & Taiwan (pending)
6. Recombinant decoy receptor 3 protein for the treatment of acute spinal injury PCT and USA (pending)
7. “Recombinant decoy receptor 3 protein for the treatment of Alzheimer’s disease” PCT and USA (pending, 2016)

**TECHNOLOGY TRANSFER**

1. Profiling of polysaccharides and fingerprinting of pathogens by innate immunity receptors

2. Composition and methods for identify response targets and treating flaviviral infection response

**SELECTED PROFESSIONAL ACTIVITIES**

2008 Interviewed by BBC World Service: for discovery of treatment for dengue virus

2008 Interviewed by British Science Museum: anti-dengue treatment

2008 Interviewed by Brazil TTV: anti-dengue treatment

2008 News of anti-dengue treatment was reported in the international media, including

Electronic media (Yahoo) and British Telegraph, France AFP, Russia, China, Germany,

 Canada, Spain, India, Brazil, Mexico, Australia, Thailand, Vietnam.

**EDITOR**

2013 Editorial Board, Journal of Molecular Medicine (Springer)

2013 Editorial Board, American Journal of Cancer Biology (Ivy Union Publishing LLC)

2013 Editorial Board, American Journal of Cancer Review (Ivy Union Publishing LLC)

2013 Editorial Board, Pathogens and Diseases (FEMS Immunology & Medical Microbiology)

2010 Editorial Board, Journal of the Formosan Medical Association

2009 Editorial Board, World Journal of Biological Chemistry (WJBC)

**MEMBER OF EDITORIAL BOARD**

1. World Journal of Biological Chemistry (WJBC) from 2009
2. Pathogens and Diseases (FEMS Immunology & Medical Microbiology) from 2013
3. Journal of Molecular Medicine (Springer) from 2013

**AD HOC REVIEWER**

1. American Journal of Pathology
2. Anti-Viral Research (Elsevier Publisher)
3. Archives of Virology (Springer)
4. BBA - Molecular Cell Research
5. Biochemical Pharmacology (Elsevier Publisher)
6. BioMed Central (BMC) Cancer
7. Brain Research Bulletin (International Behavioral Neuroscience Society)
8. British Journal of Pharmacology (Wiley)
9. Clinical and Experimental Immunology (British Society for Immunology, BSI)
10. Cancer Letter (Elsevier Publisher)
11. Cancer Sciences (Blackwell Publishing)
12. Chemotherapy (Elsevier Publisher)
13. Clinical Cancer Research (American Association of Cancer Research, AACR)
14. Genesis (Wiley Publishing)
15. Genes and Immunity (Nature Publishing Group, NPG)
16. Immunology (British Society for Immunology, BSI)
17. Infection and Immunity (American Society for Microbiology, ASM)
18. Journal of Biomedical Science (Springer Netherlands)
19. Journal of Formosan Medical Association (Taiwan Medical Association)
20. Journal of Hepatology (Elsevier Publisher)
21. Journal of Virology (American Society of Microbiology)
22. International Journal of Infectious Diseases (Elsevier Publisher)
23. International Journal of Cancer (Elsevier Publisher)
24. Journal of Immunology (AAI)
25. Microbiology and Immunology (Wiley-Blackwell)
26. Molecular Immunology (Elsevier Publisher)
27. Nature Communications (NPG)
28. Nature Scientific Report (NPG)
29. PLoS One (Public Library)
30. Science Report (NPG)

**PROFESSIONAL MEMBERSHIP**

1. American Association of Immunologist
2. Chinese Immunology Society (Taipei)

**ORGANIZATION OF INTERNATIONAL MEETING**

1. Organizer and Chairman: 6nd Taiwan-China Immunology Symposia (NTU), held in Taipei, Taiwan 2017
2. Organizer and Chairman: IUBMB Meeting on “Frontiers in Glycoscience: Host-pathogen interactions (Academia Sinica), held in Taipei, Taiwan 2016
3. Organizer and Chairman: 1st Glycoimmunolgy Symposium (Academia Sinica), held in Taipei, Taiwan 2014
4. Organizer and Chairman: 4th Taiwan-China Immunology Symposia (NYMU), held in Taipei, Taiwan 2013
5. Organizer and Chairman: 2nd Taiwan-China Immunology Symposia (NYMU), held in Taipei, Taiwan 2011
6. Organizer and Chairman: 1st UK-Taiwan INYS (International Network for Young Scientists) Sponsors: British Council, UK and National Science Council, held in Taipei, Taiwan 2008 Keynote invited speaker: Sir Roy Anderson (Chancellor of Imperial College, London, UK
7. Organizer and Chairman (with Dr. Takashi Fujita, Kyoto University) : Taiwan (National Science Council)-Japan (Japan Science Technology Institute) Conference for ‘Emerging Infectious Disease” , held in Kyoto, Japan 2009

**ADMINISTRATIVE SERVICE**

 Institutional Service

1. Graduate Recruitment/ admission committee

 for M.D., PhD. graduate students 1997-present

1. Graduate student recruitment/admission committee 1997-present
2. Graduate Dissertation committees: 1997-present
3. P3 laboratory safety committee: chairman 2006-present
4. Flow cytometer user committee: chairman 2004-present

National Service

1. Ministry of Science and Technology, Taiwan

 Extramural grant reviewer for MOST and Department of Defense

1. National Health Research Institute, Taiwan

 Extramural grant reviewer

1. Academia Sinica, Taiwan, R.O.C.

 Extramural grant reviewer

**PUBLICATIONS IN PEER-REVIEWED JOURNALS**

**\*: corresponding author//\*\*: shared corresponding author**

1. Liao TL, **Hsieh SL**, Chen YM, Chen HH, Liu HJ, Lee HC, Chen DY. Rituximab may cause increased hepatitis C virus viremia in rheumatoid arthritis patients through declining exosomal microRNA-155. Arthritis & Rheumatology **2018**; 70:1209.
2. Tsai HW, Huang MT, Wang PH, Huang BS, Chen YJ**\*\***, **Hsieh SL\*\***. Decoy receptor 3 promotes cell adhesion and enhances endometriosis development. J. Pathology **2018**; 244(2):189-202. doi: 10.1002/path.5000. (**cover illustration**).
3. Chen ST, Chen JW, Wu WC, Chou TY, Yang CY, **Hsieh SL\***. CLEC5A is a Critical Receptor in Innate Immunity against Listeria Infection. Nature Communications **2017**; DOI:10.1038/s41467-017-00356-3.
4. Liu YL, Chen WT, Lin YY, Lu PH, **Hsieh SL\*\*, Cheng, IH\*\***. Amelioration of amyloid-beta-induced deficits by DcR3 in an Alzheimer’s disease models. Molecular. Neurodegeneration **2017**; DOI: 10.1186/s13024-017-0173-0.
5. Teng, O, Chen, ST, Hsu TL, Sia SF, Cole S, Valkenburg SA, Hsu TY, Zheng JT, Tu W, Bruzzone R, Peiris JSM, **Hsieh SL\*\***, **Yen HL\*\*.** CLEC5A-mediated enhancement of the inflammatory response in myeloid cells contributes to influenza pathogenicity in vivo.J. Virology **2017**; 91: e01813-16.
6. Chen MH, Kan HT, Liu CY, Yu WK, Lee SS, Wang JH, **Hsieh SL\***. Serum decoy receptor 3 is a biomarker for disease severity in nonatopic asthma patients. J. Formosan Med Asso. **2017**; 116: 49.
7. **Hsieh SL\***, Lin WW. Decoy receptor 3: An endogenous immunomodulator in cancer growth and inflammatory reactions. J. Biomed Science **2017**; 3: 9. doi: 10.1186/s12929-017-0347-7.
8. Lai JH**\*\***, Lin YL**\*\***, **Hsieh SL\*\***. Pharmacological intervention for dengue virus infection. Biochem Pharmacol. **2017**; 129: 14-25.
9. Cheng AC, Yang KY, Chen NJ, Hsu TL, Jou R, **Hsieh SL**, Tseng, PH. CLEC9A modulates macrophage-mediated neutrophil recruitment in response to heat-killed Mycobacterium tuberculosis H37Ra. PLoS One **2017**; 12, e0186780.
10. Lee PC, Yang LY, Wang YW, Huang SF, Lee KC, Hsieh YC, Yang YY, **Hsieh SL**, Hou MC, Lin HC, Lee FY, Lee SD. Mechanisms of the prevention and inhibition of the progression and development of NASH by genetic and pharmacological DcR3 supplementation. Hepatology Research **2017**; DOI: 10.1111/hepr.12863.
11. Yeh CC, Horng HC, Chou H, Tai HY, Shen HD, **Hsieh SL**, Wang PH. Dectin-1-Mediated Pathway Contributes to Fusarium proliferatum Induced CXCL-8 Release from Human Respiratory Epithelial Cells. International Journal of Molecular Sciences **2017**; 18: 624 (DOI:10.3390/ijms18030624).
12. Wen KC, Sung PL, **Hsieh SL**, Chou YT, Lee OK, Wu CW, Wang, PH. alpha2,3-sialyltransferase type I regulates migration and peritoneal dissemination of ovarian cancer cells. Oncotarget **2017**; 8: 29013-20927.
13. Li TH, Liu CW, Lee PC, Huang CC, Lee KC, Hsieh YC, Yang YY, **Hsieh SL**, Lin HC, Tsai CY. Decoy receptor 3 analogous supplement protects steatotic rat liver from ischemia–reperfusion injury. J Chin Med Assoc. **2017**;80: 391-340.
14. Huang YL, Chen ST, Liu RS, Chen YH, Lin CY, Huang CH, Su PY, Liao CL, **Hsieh SL\***. CLEC5A is Critical for Dengue Virus-induced Osteoclast Activation and Bone Homeostasis. J. Mol. Med. **2016**; DOI: 10.1007/s00109-016-1409-0.
15. Chiu CW, Huang WH, Lin SJ, Tsai MJ, **Hsieh SL\*\***, **Cheng H\*\***. The immunomodulator decoy receptor 3 improves locomotor functional recovery after spinal cord injury. Journal of Neuroinflammation **2016**; 13(1):154. DOI: 10.1186/s12974-016-0623-6.
16. Li TH, Huang CC, Yang YY, Lee KC, **Hsieh SL**, Hsieh YC, Lin A, Lin HC, Lee SD, Tsai CY. Thalidomide improves the Intestinal Mucosal Injury and suppresses Mesenteric Angiogenesis and Vasodilatation by down-regulating Inflammasomes-related cascades in Cirrhotic Rats. PLoS ONE **2016**; 11 (1): e0147212. DOI:10.1371/journal.pone.0147212.
17. Tarng DC, Tseng WC, Lee PY, Chiou SH, **Hsieh SL**. Induced Pluripotent Stem Cell-derived Conditioned Medium Attenuates Acute Kidney Injury by Downregulating the Oxidative Stress-Related Pathway in Ischemia-Reperfusion Rats. Cell Transplant **2016**; 25: 517-530.
18. Tung YT, Chang CC, Lin YL, **Hsieh SL**, Wang GJ. Development of double-generation gold nanoparticle chip-based dengue virus detection system combining fluorescence turn-on probes. J Formos Med Assoc. **2016**; 15;77: 90-98.
19. Fan WC, Liu CW, Ou SM, Huang CC, Li TH, Lee KC, Huang SF, Yang YY, Hsieh YC, Hsieh SL, Hou MC, Lin HC. TLR4/CD14 Variants-Related Serologic and Immunologic Dys-Regulations Predict Severe Sepsis in Febrile De-Compensated Cirrhotic Patients. PloS one 2016; 18;11(11):e0166458. doi: 10.1371/journal.pone.0166458. eCollection 2016.
20. Li TH, Lee PC, Lee KC, Hsieh YC, Tsai CY, Yang YY, Huang SF, Tsai TH, **Hsieh SL**, Hou MC, Lin HC, Lee SD. Down-regulation of common NFκB-iNOS pathway by chronic Thalidomide treatment improves Hepatopulmonary Syndrome and Muscle Wasting in rats with Biliary Cirrhosis. SCIENTIFIC REPORTS **2016**; 6:39405. doi: 10.1038/srep39405.
21. Huang MT, Chen ST, Wu HI, Chen YJ, Chou TY, **Hsieh SL\***.DcR3 suppresses influenza virus-induced macrophage activation and attenuates pulmonary inflammation and lethality. J Mol. Med. **2015,** DOI: 10.1007/s00109-015-129-1).
22. Huang YL, Tso YT, Pai FS, Chou TY, Mon HC, Hsu TL, Wu CY, Yang WB, Chen CH, Wong CH, **Hsieh SL\*.** Human CLEC18 gene cluster contains C-type type lectins with differential glycan-binding specificity. J. Biol. Chem. **2015**, 290 :21252-63./jbc.M115.649814.
23. Lin YT, Yen CH, Chen HL, Liao YJ, Lin IF, Chen M, Lan YC, Chuang SY, **Hsieh SL**, Chen YM A. The serologic decoy receptor 3 (DcR3) levels are associated with slower disease progression in HIV-1/AIDS patients. J Formos Med Assoc. **2015**; 114, 498-503.
24. Tsui KH, Li HY, Cheng JT, Sung YJ, Yen MS, **Hsieh SL**, Wang PH. The role of nitric oxide in the outgrowth of trophoblast cells on human umbilical vein endothelial cells. Taiwanese Journal of Obstetrics & Gynecology. **2015**, 54: 227-231.
25. Weng SC, Shu KH, Wu MJ, Wen MC, **Hsieh SL**, Chen NJ, Tarng DC. Expression of decoy receptor 3 in kidneys is associated with allograft survival after kidney transplant rejection. Nature Scientific Report. **2015**; 5:12769. doi: 10.1038/srep12769.
26. Lin YC, Huang DY, Wang JS, Lin YL, **Hsieh SL**, Huang KC, Lin WW. Syk involves in NLRP3 inflammasome-mediated caspase-1 activation through adaptor ASC phosphorylation and enhanced oligomerization. JOURNAL OF LEUKOCYTE BIOLOGY. **2015;** 97: 825-835
27. Lee PC, Yang YY, Huang CS, **Hsieh SL**, Lee KC, Hsieh YC, Lee TY, Lin HC. Concomitant inhibition of oxidative stress and angiogenesis by chronic hydrogen-rich saline and N-acetylcysteine treatments improves systemic, splanchnic and hepatic hemodynamics of cirrhotic rats. Hepatology Research. **2015**; 45:578-588
28. Chen DY, Yao L, Chen YM, Lin CC, Huang KC. Chen ST, Lan JL\*\*, **Hsieh SL\*\*** A Potential Role of CLEC5A/Myeloid DAP12-Associating Lectin (MDL-1) in the Regulation of Inflammation in Rheumatoid Arthritis Patients. **2014.** *PLoS ONE 9(1): e86105. doi:10.1371/journal.pone.0086105* **\*\****shared correspondence author*
29. Yang YY, **Hsieh SL**, Lee PC, Yeh YC, Lee KC, Hsieh YC, Wang YW, Lee TY, Huang YH, Chan CC, Lin HC. Long-term cannabinoid type 2 receptor agonist therapy decreases Bacterial Translocation In Rats with cirrhosis and ascites. JOURNAL OF HEPATOLOGY. **2014**; 61(5), 1004-1013.
30. Lo TH, Tseng KY, Tsao WS, Yang CY, **Hsieh SL**, Chiu AW, Takai T, Mak TW, Tarng DC, Chen NJ. TREM-1 regulates macrophage polarization in ureteral obstruction. KIDNEY INTERNATIONAL. **2014**; doi: 10.1038/ki.2014.205.
31. Chang YL, Chen TH, Wu YH, Chen GA, Weng TH, Tseng PH, **Hsieh SL**, Fu SL, Lin CH, Chen CJ, Chu CL, Chio II, Mak TW, Chen NJ. A novel TLR2-triggered signalling crosstalk synergistically intensifies TNF-mediated IL-6 induction. JOURNAL OF CELLULAR AND MOLECULAR MEDICINE. **2014**; 18(7), 1344-1357
32. Hsu WC, Yang FC, Lin CH, **Hsieh SL**, Chen NJ. C5L2 is required for C5a-triggered receptor internalization and ERK signaling. CELLULAR SIGNALLING. **2014**; 26(7):1409-19.
33. Tung YT Wu MF, Wang GJ\*\*, **Hsieh SL\*\***. Nanostructured electrochemical biosensor for the detection of the weak binding between the Dengue Virus and the CLEC5A receptor. **2014**; Nanomedicine, doi: 10.1016/j.nano.2014.03.009
34. Hsu WC, Yang FC, Lin CH, **Hsieh SL**, Chen NJ. C5L2 is required for C5a-triggered receptor internalization and ERK signaling. Cellular Signalling. **2014**; 26:1409–1419
35. Huang BS, Sun HD, Hsu YM, Chang WH, Horng HC, Yen MS, Cao KC, **Hsieh SL**, Wang PH (2014). Clinical presentation and outcome of adult-type granulosa cell tumors: Aretrospective study of 30 patients in a single institute. [J Chin Med Assoc.](http://www.ncbi.nlm.nih.gov/pubmed/24269599) **2014**; 77(1):21-5. doi: 10.1016/j.jcma.2013.09.007. Epub 2013 Oct 23
36. Wu MF, Chen ST, Yang AH, Lin WW, Lin YL, Chen NJ, Tsai IS, Li L, **Hsieh SL\***. CLEC5A is critical for dengue virus-induced inflammasome activation in human macrophages. Blood **2013**; **121:** 95-106
37. Wu MF, Chen ST, **Hsieh SL\***. Distinct Regulation of Dengue Virus-Induced Inflammasome Activation in Human Macrophage Subsets (review article) [J Biomed Sci.](http://www.ncbi.nlm.nih.gov/pubmed/23742038) **2013**; 20:36. doi: 10.1186/1423-0127-20-36.
38. Yang CY, Chen JP, Tsai TF, Tsai YC, Tsai CY, Liang PH, Hsu TL, Wu CY, Netea MG, Wong CH, **Hsieh SL\***. CLEC4F is an inducible C-type lectin in F4/80-positive cells and is involved in alpha-galactosylceramide presentation in liver. PLoS One **2013**; 8: e65070
39. Hsu TL, Lin G, Koizumi A, Brehm K, Hada K, Chuang PK, Wong CH, **Hsieh SL**, Diaz A, The surface carbohydrates of the Echinococcus granulosus larva interact selectively with the rodent Kupffer cell receptor. Molecular & Biochemical Parasitology **2013**; 192: 55-59
40. Wu NL, Huang DY, **Hsieh SL**, Hsiao CH, Lee TA, Lin WW. [EGFR-driven up-regulation of decoy receptor 3 in keratinocytes contributes to the pathogenesis of](http://www.ncbi.nlm.nih.gov/pubmed/23707413) psoriasis. Biochim Biophys Acta. **2013**; 1832(10):1538-48.
41. Tseng WC, Yang, WC, Yang AH, **Hsieh SL**, Tarng, DC. Expression of TNFRSF6B in kidneys is a novel predictor for progression of chronic kidney disease. Modern Pathology **2013**: doi:10.1038/modpathol.2013.29
42. Shu CC, Wu MF, Hsu CL, Huang CT, Wang JY, **Hsieh SL**, Yu CJ, Lee LN, Yang PC. Apoptosis-associated biomarkers in tuberculosis: promising for diagnosis and prognosis prediction. BMI Infectious Diseases **2013**; 13: 45
43. Chen ST, Liu RS, Wu MF, Lin YL, Chen SY, Tan DTW, Chou TY, Tsai IS, Li L, **Hsieh SL\***. *CLEC5A Regulates Japanese Encephalitis Virus-Induced Neuroinflammation and Lethality.* PLoS Pathogens **2012**; 8(4): e1002655. doi:10.1371/journal.ppat.1002655. **FACULTY OF 1000 (f1000 Factor 8.0-must read)**
44. Tai SK, Chang HC, Lan KL, Lee CT, Yang CY, Chen NJ, Chou TY, Tarng DC, **Hsieh SL\***. *Decoy receptor 3 enhances tumor growth via induction of tumor-associated macrophages.* J Immunol **2012**; 188:2461-2471.
45. Lee WL, Lee FK, Su WH, Tsui KH, Kuo CD, **Hsieh SL**, Wang PH. Hormone therapy for younger patients with endometrial cancer. Taiwanese journal of Obstetrics & Gynecology **2012**; 51: 495
46. Huang ZM, Kang JK, Chen CY, Tseng TH, Chang YW, Chang CY, Tai SK, **Hsieh SL**, Leu CM. *Decoy receptor 3 suppresses TLR2-mediated B cell activation by targeting NF-kB.* Journal of Immunology **2012**; 188**:** 5867
47. Kuo SC, Lee YT, Yang SP, Chen CP, Chen TL, **Hsieh SL,** Siu LK, Fung CP. *Eradication of multidrug-resistant Acinetobacter baumannii from the respiratory tract with inhaled colistin methanesulfonate: a matched case-control study*. Clin Microbiol Infect **2012**; 18 (9): 870-876
48. Lee WC, Lee WL, Shyong WY, Yang LW, Ko MC, Yeh CC, Hsieh SL, Wang PH. Altered ganglioside GD3 in HeLa cells might influence the cytotoxic abilities of NK cells. Taiwan J Obstet Gynecol. **2012**; 51(2):199-205. doi: 10.1016/j.tjog.2012.04.006.
49. Lee WC, Lee WL, Shyong WY, Yang LW, Ko MC, Sheu BC, Hsieh SL, Wang PH. Increased concentration of sialidases by HeLa cells might influence the cytotoxic ability of NK cells. Taiwan J Obstet Gynecol. 2012; 51(2):192-8. doi: 10.1016/j.tjog.2012.04.005.
50. Hwang SJ, Chang SC, Yu CJ, Chan YJ, Chen TJ, **Hsieh SL**, Lai HY, Lin MS, Liu JY, Ong G, F Roman, M Drame, HL Bock, Yang PC. *Immunogenicity and safety of an AS03A-adjuvanted H5N1 influenza vaccine in a Taiwanese population*. Journal of the Formosan Med. Asso. **2011**; **110**: 780-786.
51. Tai SK, Yang MH, Chang SY, Chang YC, Li WY, Tsai TL, Wang YF, Chu PY, **Hsieh SL\*.** *Persistent Krüppel-like factor 4 expression predicts progression and poor prognosis of head and neck squamous cell carcinoma.* Cancer Sci 2011; **102(4)**: 895-902
52. Chen ST, Lin YL, Huang MT, Wu MF, **Hsieh SL\*.** Targeting C-type lectin for the treatment of flavivirus infections. [Adv Exp Med Biol.](http://www.ncbi.nlm.nih.gov/pubmed/21618140) 2011; 705:769-76. doi: 10.1007/978-1-4419-7877-6\_40
53. Lin WW, **Hsieh SL\***. *Decoy Receptor 3: A Pleiotropic Immunomodulator and Biomarker for Inflammatory Diseases, Autoimmune Diseases and Cancer.* Biochemical Pharmacology 2011; **81**: 833-847 **(**review article**)**
54. Lee RT, Hsu TL, Huang SK, **Hsieh SL,** Wong CH, Lee YC. *Survey of Immune-related, Mannose/fucose-binding C-Type Lectin Receptors Reveals Widely Divergent Sugar-binding Specificities.* Glycobiology 2010; **21:** 512-520.(SCI: Impact factor 5.520)
55. Liu PF, Shi WY, Zhu WH, Jeffery W. Smith, **Hsieh SL**, Richard L. Gallo, Huang CM. *Vaccination targeting surface FomA of Fusobacterium nucleatum against bacterial co-aggregation: Implication for treatment of periodontal infection and halitosis.* VACCINE 2010; **28(19)**: 3496-3505 (SCI: Impact factor 3.572)
56. Kuo WC, Yang KT, **Hsieh SL**, Lai MZ. *Ezrin is a negative regulator of death receptor-induced apoptosis.* Oncogene 2010; **29**: 1374-1383.
57. Hsu TL, Cheng SC, Yang WB, Chin SW, Chen BH, Huang MT, **Hsieh SL\*\***, Wong CH**\*\*** *Profiling Carbohydrate-Receptor Interaction with Recombinant Innate Immunity Receptor-Fc Fusion Proteins.* J Biol Chem 2009; **284:** 33479-34489
58. Wu MF, Yang CY, Lin TL, Wang JT, Yang FL, Wu SH, Hu BS, Chou TY, Tsai MD, Lin CH, **Hsieh SL\*.** *Humoral immunity against capsule polysaccharide protects host from magA+ Klebsiella pneumoniae-induced lethal disease through evading TLR4 signaling.* Infection and Immunity 2009; **77:** 615-621
59. Chen CY, Yang KY, Chem MY, Chen HY, Lin MZ, Lee YC, Perng RP, **Hsieh SL,** Yang PC, Chou TY. *Decoy receptor 3 Levels in peripheral blood predict outcomes of acute respiratory distress syndrome.* Am J Respir Crit Care Med 2009; **180**: 751-760 (SCI: Impact factor **9.79**)
60. Chao WW, Kuo YH, **Hsieh SL**, Lin BF. *Inhibitory effects of ethyl acetate extract of Andrographis paniculata on NF-{kappa}B trans-activation activity and LPS-induced acute inflammation in mice*. Evid Based Complement Alternat Med 2009; [Epub ahead of print] (SCI: Impact factor 2.964)
61. Tsai CM, Chiu YK, Hsu TL, Lin IY, **Hsieh SL**, Lin KI. *Galectin-1 Promotes Immunoglobulin Production during Plasma Cell Differentiation.* J Immunol 2008; **181**: 4570-79 (SCI: Impact factor **6**)
62. Chang PMH, Chen PM, **Hsieh SL**, Tzeng CH, Liu JH, Chiou TJ, Wang WS, Yen CC, Gau JP, Yang MH. *Intl. Expression of a soluble decoy receptor 3 in patients with diffuse large B-cell lymphoma predicts clinical outcome.* Intl J Oncology 2008; **33:** 549-554 (SCI: Impact factor **2.234**)
63. Chen ST, Lin YL, Huang MT, Wu MF, Cheng SC, Lei HY, Lee CK, Chiou TW, Wong CH, **Hsieh SL\***. *CLEC5A is critical for dengue virus-induced lethal disease.* Nature2008; **453**: 672-5. **FACULTY OF 1000-BIOLOGY (f1000 Factor 9.0-exceptional)**
64. **Hsieh SL\***. *Decoy Receptor 3 (DcR3): A Pleiotropic Immunomodulator*. Blood 2008; **112**: 916-917
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**BOOKS OR CHAPTER**

1. 登革熱的台灣經驗:從流行病學及臨床到基礎科學的新視野:第五章:登革致病機制: 第六節 : C型凝集素CLEC5A在登革致病機制的角色. Book Chapter (**2016**)
2. **Hsieh SL\*.** “C-Type Lectin Receptors in Immunity” Chapter 3: The DAP12-Associated Myeloid C-Type Lectin 5A (CLEC5A). **2016** (editors: Sho Yamasaki) Publisher: Springer Japan Publisher. eBook ISBN 978-4-431-56015-9 (BOOK Chapter)
3. **Hsieh SL**, Lin WW\*. “Encyclopedia of Cancer” Chapter 1697: Decoy Receptor 3. **2011** (editors: Manfred Schwab) Publisher: Springer, Berlin, Heidelberg. Online ISBN 978-3-642-16483-5 (BOOK Chapter)
4. Chen ST, Lin YL,Huang MT, Wu MF, **Hsieh SL\***. “The Molecular Immunology of Complex Carbohydrates-3” Chapter 40: Targeting C-Type Lectin for the Treatment of Flavivirus Infections. **2011** (editors: Wu, Albert M.) Publisher: Springer, Boston, MA. eBook ISBN 978-1-4419-7877-6 (BOOK Chapter)

**INVITED LECTURES / PRESENTATION**

1. Special IUBMB meeting ‘Frontiers in Glycoscience: Host-pathogen interactions’, IBMS, Academia Sinica Taipei, Taiwan (Dec. 12-14, 2016)
2. 北京首都醫科大學特別演講, Beijing China（Dec. 8, 2016）
3. 第三屆海峽兩岸生命科學論壇, Shanghai China (Nov. 6-9, 2016)
4. 中華民國免疫學會2016年會員大會暨學術研討會, 台中中山醫學大學 (Oct. 30, 2016)
5. Bilateral Symposium of Genomic Research Center, Academia Sinica and Graduate School of Science, Osaka University, Japan (Oct. 4-6, 2016)
6. International Advanced Immunology Summer School, China Medical University (Aug. 13-14, 2016)
7. 第一屆長庚體系免疫研究團隊年會 (Aug. 05, 2016)
8. American Association of Immunology: Guest symposium (May 13-17, 2016, Seattle)
9. Pasteur’s Institute, Shanghai (June 1, 2016)
10. International conference for vector-borne diseases in Shenchen, China (May 30th-June 1st 2016).
11. Institute of Molecular and Genomic Medicine, NHRI (Apr. 14, 2016)
12. 登格熱疾病研究, 彰化基督教醫療財團法人彰化基督教醫院 (Jan. 29, 2016)
13. Infections of the Nervous System” Gordon Research Conference, Hong Kong (June 14-19, 2015)
14. FIMSA (The Federation of Immunological Societies of Asia Oceania) Singapore (June 30-July 3, 2015)
15. Annual Scientific Meeting of Flow Cytometry, Hong Kong (Mar. 22, 2014)
16. 第四屆海峽兩岸四地免疫學研討會(Apr. 28-29, 2014)
17. SATU International Dengue Symposium, Tainan (Aug. 28-29, 2014)
18. 兩岸三地生物醫學高峰論壇, 南京醫科大學 (Sep. 20-23, 2014)
19. 15th IUBMB 24th FAOBMB-TSBMB International Conference Academia Sinica (Oct. 21-26, 2014)
20. “Glycoimmunology Conference” Chairman and Speaker, Academia Sinica (Dec. 2-4, 2014)
21. 第21屆細胞及分子生物新知研討會-墾丁冬令營 (Jan. 30, 2013)
22. Regeneron Pharmaceuticals, Inc located in New York, USA (May 21, 2013)
23. AbbVie Bioresearch Center, Worcester, MA, USA (May 7-8, 2013)
24. Keystone meeting: The Innate Immune Response in the Pathogenesis of Infectious Disease in Brazil (May 10-15, 2013)
25. Gordon Research Conferences on Carbonhydrates (Mount Snow Resort in West Dover VT ,USA (June16-21, 2013)
26. 14th SCBA International Symposium to be held at Jianguo Hotel, Xi’an, China (July 18-22, 2013)
27. 海峡两岸免疫细胞生物学研讨会, 乌鲁木齐, China (July 1-6, 2013)
28. 第二屆海峽兩岸熱帶醫學研討會, Beijing, China (Oct. 26-29, 2013)
29. Singapore international conference on dengue and emerging infections, Singapore (Nov.23 , 2012)
30. 4th Asia Communications of Glycobiology and Glycotechnology ACGG4 (Oct. 27, 2012)
31. 12th International Symposium on Dendritic Cells (DC2012) in Daegu in Korea (Oct. 7, 2012)
32. Taiwan-India Joint Symposium in ISF College of Pharmacy, Moga, Punjab, India (Dec. 14, 2011)
33. GSK Research Institute, Shanghai (Nov. 22, 2011)
34. Institute for Tropical Diseases, Novartis, Singapore (Sep. 01, 2011)
35. 13th International SCBA conference in Guangzhou, China, (July 25, 2011)
36. 6th Asian-Pacific Organization for Cell Biology Congress, Philipine (Feb. 26, 2011)
37. Pfizer Pharama Inc, Cambridge, Boston, USA (Feb. 8, 2011)
38. The 4th Joint Symposium between NYMU and UCSD (Dec. 8, 2010)
39. NHRI/ International Conference of Inflammation, Cardiometabolic Diseases and Cancer (Nov. 7, 2010)
40. HKU - Pasteur Research Centre / 3nd HKU - PASTEUR IMMUNOLOGY COURSE (Nov. 2, 2010)
41. UCSD /Academia Sinica Symposium on Frontiers in Biosciences, San Diego, USA (Sep. 17, 2010)
42. Pfizer Pharma, Boston, USA (Feb. 09, 2010)
43. International Meeting on Emerging Infectious Disease, Duke-NSU, Singapore (Feb. 08, 2010)
44. NSC (Taiwan)-JST (Japan) Symposium, Kyoto University, Japan (Nov. 15, 2009)
45. Department of Molecular and Cell Biology, Tokyo University, Japan (July 13, 2009)
46. Department of Microbiology and Immunology, Stanford University, Palo Alto, hosted by Yue-Show Chien (Jan. 30, 2009)
47. Glycobiology Conference, 2008, Fort Worth, Texas (Nov. 12-15, 2008)
48. Federation of Immunological Societies of Asia-Oceania, Taipei (Oct. 18, 2008)
49. Novartis for Tropical Diseases, Singapore (Oct. 13, 2008)
50. EHRLICH II, 2nd World Conference on Magic Bullets, Nurnberg, Germany (Oct. 3, 2008)
51. Schering-Plough Biopharma, Palo Alto, CA (Sep. 11, 2008)
52. MRC Immunochemistry Unit, Department of Biochemistry / Immunochemistry 2008 at Oxford (July 18, 2008)
53. Académie Royale de Médecine de Belgique, Belgium (July 18, 2008)
54. Novartis, Institute for Tropical Diseases (June 30, 2008)
55. Second Joint Symposium of UCSD and NYMU, San Diego (Apr. 11, 2008)
56. City of Hope, Los Angeles USA (Feb. 19, 2008)
57. International Symposium on Molecular Immunology of Complex Carbohydrates –3, Academia Sinica (July 8, 2007)
58. First Joint Symposium of UCSD and NYMU (Mar. 21, 2007)