CURRICULUM VITAE

謝世良 Shie-Liang Hsieh, M.D., D.Phil.

PERSONAL INFORMATION

Address: 128 Academia Road, Section 2, Nankang District,
Taipei 115, Taiwan
Genomics Research Center, Academia Sinica
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EDUCATION

1984 MD. National Yang-Ming University (NYMU) School of Medicine, Taiwan
1988 Master, Institute of Microbiology and Immunology, Taiwan
1992 D. Phil, Department of Biochemistry, University of Oxford, UK

POSTGRADUATE INFORMATION: 1993-1994

Postdoctoral fellow (Robert Wood Johnson's Fellowship)
Department of Microbiology and Immunology, Stanford University School of Medicine
Mentor: Hugh. O. McDevitt, M.D.

EXPEREINCE

2013-present	Distinguished research fellow, Genomics Research Center, Academia Sinica, Taiwan
2022-present	Member, IRB on Biomedical Science Research, Academia Sinica, Taiwan
2014-present	Adjunct Professor, National Taiwan University, Taiwan
2013-present	Adjunct Professor, National Yang Ming Chiao Tung University, Taiwan
2013-present	Contract Research Fellow, Taipei Veterans General Hospital, Taiwan
2012-present	Adjunct Professor, The Institute for Cancer Biology and Drug Discovery, College of Medical Science and Technology, Taipei Medical University, Taiwan
2018-2022	Director, IRB on Biomedical Science Research, Academia Sinica, Taiwan
2010-2013	Director, Infection and Immunity Research Center, National Yang-Ming University (NYMU), Taiwan
2010-2013	Director, Institute of Clinical Medicine, NYMU, Taiwan

2007-2008	Visiting Scholar, The Scripps Research Center (hosted by Prof. Chi-Huey Wong), USA
2007-2008	Visiting Scholar, The Scripps Research Center (hosted by Prof. James Paulson), USA
2005-2014	Adjunct Senior Investigator, National Health Research Center, Taiwan
2004-2005	Director, Department of Research and Education, Taipei City Hospitals, Taiwan
2000-2005	Professor, Dep. of Microbiol. & Immunol. NYMU, Taiwan
1998 summer	Visiting Scholar, DNAX (hosted by Dr. Yung-Jung Liu), USA
1998 summer	Visiting Scholar, Stanford University, (hosted by Professor Hugh McDevitt), USA
1994-2000	Associate Professor, Dep. of Microbiol. NYMU, Taiwan
1993-1994	Post-fellow, Stanford University, Palo Alto, USA

FIELD of SPECIALTY (Research Interest)

1) Glycoimmunology; 2) Cancer Immunology; 3) Host-Pathogen Interaction

HONORS &AWARDS

2021	Outstanding Research Fellow award from the Ministry of Science and Technology (科技部 109 年度傑出特約研究員)
2020	The 18th Y. Z. Hsu Scientific Chair Professor (第十八屆有庠科技講座)
2020	Academia Sinica Investigator Award (中央研究院深耕計畫)
2013	The 8th Session TienTe Lee Award (第八屆永信李天德卓越醫藥科技獎)
2012	The 16th National Chair Professor Award, Ministry of Education (教育部第 16 屆國家講座)
2010	Outstanding Researcher Award from the National Science Council (國科會傑出獎)
2009	Tsungming Tu Award, Taiwan Medical Society (台灣醫學會杜聰明獎)
2009	The 53th Academic Achievement Award, Ministry of Education (教育部第 53 屆學術獎)
2009	The 4th Long-Term Award from Acer Foundation (第四屆宏碁基金會龍騰微笑得獎人)
2008	The 18th 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)
2004	The 1st Outstanding Alumni, National Yang-Ming University (第一屆陽明大學傑出校友獎)
2003	Outstanding Researcher Award from the National Science Council (國科會傑出獎)
1999	Outstanding Researcher Award from the National Science Council (國科會傑出獎)
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. 抗體於治療神經退化性疾病的用途／METHODS OF TREATING NEURODEGENERATIVE DISEASES (中華民國 I717848 號 / Feb 1, 2021)
2. 抗-唾液酸結合性類免疫球蛋白凝集素之抗體、包含該抗體之藥學組合物及其用途 (中華民國 I696634 號 / Jun 21, 2020)
3. 用以診斷病毒感染的方法/METHODS OF DIAGNOSING VIRAL INFECTION (中華民國 I672504 號 / Sep 21, 2019)
4. METHOD FOR TREATING INFLUENZA A VIRUS INFECTION (US 10,172,919 B2 / Jan 8, 2019)
5. Recombinant Decoy receptor 3 for treating spinal cord injury (US 10011646 / Jul 3, 2018)
6. 一種用以治療 A 型流感病毒感染的方法 (中華民國 I569804 號 / Feb 11, 2017)
7. 生醫檢測晶片及以之進行檢測之方法(中華民國 I560447 號 / Dec 1, 2016)
8. 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 I403586 號 / 2013)
9. Methods and reagents for the analysis and purification of polysaccharides (US 7998482 / Aug 16, 2011)
10. Composition and methods for identify response targets and treating flaviviral infection response (US 7,943,134 B2 / May 17 11, 2011)
11. 用於分析及純化多醣體之方法及試劑 (中華民國 I333959 號 / Dec 1, 2010)

TECHNOLOGY TRANSFER

1. Patent Name: Profiling of polysaccharides and fingerprinting of pathogens by innate immunity receptor.
   Agent: Oneness Biotech Co., Ltd
2. Patent Name: Composition and methods for identify response targets and treating flaviviral infection response.
   Agent: Oneness Biotech Co., Ltd

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

INVITED REVIEWING ACTIVITIES FOR INTERNATIONAL PEER-REVIEW JOURNALS

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 Molecular Medicine (Springer)
22. Journal of Virology (American Society of Microbiology)

23. International Journal of Infectious Diseases (Elsevier Publisher)
24. International Journal of Cancer (Elsevier Publisher)
25. Journal of Immunology (AAI)
26. Microbiology and Immunology (Wiley-Blackwell)
27. Molecular Immunology (Elsevier Publisher)
28. Nature Communications (NPG)
29. Nature Scientific Report (NPG)
30. PLoS One (Public Library)
31. Science Report (NPG)
32. Science Translational Research (AAAS)

PROFESSIONAL MEMBERSHIP

American Association for Cancer Research (Active Member)
American Association of Immunologist

ORGANIZATION of INTERNATIONAL MEETING:

1. Organizer and Chairman: (Keystone Symposia) Innate Immune Receptors: Roles in Immunology and Beyond (M1), held in Academia Sinica, Taiwan, 2019
2. Organizer and Chairman: 6nd Taiwan-China Immunology Symposia (NTU), held in Taipei, Taiwan, 2017
3. Organizer and Chairman: IUBMB Meeting on "Frontiers in Glycoscience: Host-pathogen interactions (Academia Sinica), held in Taipei, Taiwan, 2016
4. Organizer and Chairman: 1st Glycoimmunolgy Symposium (Academia Sinica) 2014
5. Organizer and Chairman: 4th Taiwan-China Immunology Symposia, held in National Yang-Ming University, Taiwan, 2013
6. Organizer and Chairman: 2nd Taiwan-China Immunology Symposia, held in National Yang-Ming University, Taiwan, 2011
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
8. Organizer and Chairman: 1st UK-Taiwan INYS (International Network for Young Scientists) Sponsors: British Council, UK and National Science Council, Taiwan, held in Taipei, 2008 Keynote invited speaker: Sir Roy Anderson (Chancellor of Imperial College, London, UK

ADMINISTRATIVE SERVICE:

Institutional Service

1. Graduate Recruitment/ admission committee for M.D., Ph, D. graduate students — 1997-present
2. Graduate student recruitment/admission committee — 1997-present
3. Graduate Dissertation committees — 1997-present
4. P3 laboratory safety committee: chairman — 2006-present
5. Flow cytometer user committee: chairman — 2004-present

National Service

1. National Science Council, Taiwan
   Extramural grant reviewer for NSC and Department of Defense
2. National Health Research Institute, Taiwan
   Extramural grant reviewer
3. Academia Sinica, Taiwan, R.O.C.
   Extramural grant reviewer

PUBLICATIONS IN PEER-REVIEWED JOURNALS

***: corresponding author **: shared corresponding author**

1. Sung PS, Perng YC, Yang SP, Sun CP, Tao MH, **Hsieh SL***(2022). *Inhibition of SARS-CoV-2-mediated thromboinflammation by CLEC2.Fc*. EMBO Mol. Med (revision).

2. Wang HW, Li HH, Wu SC, Tang CK, Yu HY, Chang YC, Sung PS, Liu WL, Su MP, Yu GY, Huang LR, Chen CH**, **Hsieh SL****(2023). *CLEC5A mediates Zika virus-induced testicular damage*. JOURNAL OF BIOMEDICAL SCIENCE, 30: 12.

3. Wu YH, Mo ST, Chen IT, Hsieh FY, **Hsieh SL**, Zhang J, Lai MZ*(2022). *Caspase-8 inactivation drives autophagy-dependent inflammasome activation in myeloid cells*. SCIENCE ADVANCES, 8(45): eabn9912. https://doi.org/10.1126/sciadv.abn9912

4. Sung PS, Peng YC, Yang SP, Chiu CH, Hsieh SL* (2022). *CLEC5A is critical in Pseudomonas aeruginosa-induced NET formation and acute lung injury*. JCI INSIGHT, 7(18): e156613. https://doi.org/10.1172/jci.insight.156613

5. Sung PS, Yang SP, Perng YC, Sun CP, Tao MH, **Hsieh SL***(2022). *CLEC5A and TLR2 are critical in SARS-CoV-2-induced NET formation and lung inflammation*. JOURNAL OF BIOMEDICAL SCIENCE, 29(1): 52. (*Impact factor: 12.771; JIF rank 11/139 in category MEDICINE, RESEARCH & EXPERIMENTAL*.) https://doi.org/10.1186/s12929-022-00832-z

6. Hsu YW, Huang H CH, Huang WC, Yeh YH, Hsiao CD, Chang WC**, **Hsieh SL****(2022). *Human rs75776403 Polymorphism Links Differential Phenotypic and Clinical Outcomes to a CLEC18A p.T151M-Driven Multiomics*. JOURNAL OF BIOMEDICAL SCIENCE, 29: 43. (*Impact factor: 12.771; JIF rank 11/139 in category MEDICINE, RESEARCH & EXPERIMENTAL*.) https://doi.org/10.1186/s12929-022-00822-1

7. Weng SC, Wen MC, **Hsieh SL**, Chen NJ, Tarng DC* (2022). *Decoy Receptor 3 Suppresses T-Cell Priming and Promotes Apoptosis of Effector T-Cells in Acute Cell-Mediated Rejection: The Role of Reverse Signaling*. FRONTIERS IN IMMUNOLOGY, 13: 879648. https://doi.org/10.3389/fimmu.2022.879648

8. Wu NL, Huang DY, **Hsieh SL**, Dai YS, Lin WW* (2022). *Decoy receptor 3 is involved in epidermal keratinocyte commitment to terminal differentiation via EGFR and PKC activation*. EXPERIMENTAL AND MOLECULAR MEDICINE, 54(4): 542-551. https://doi.org/10.1038/s12276-022-00762-8

9. Liao TL, Chen YM, **Hsieh SL**, Tang KT, Chen DY, Yang YY, Liu HJ, Yang SS* (2021). *Hepatitis C Virus-Induced Exosomal MicroRNAs and Toll-Like Receptor 7 Polymorphism Regulate B-Cell Activating Factor*. AMERICAN SOCIETY FOR MICROBIOLOGY, 12(6): e0276421. https://doi.org/10.1128/mBio.02764-21

10. Sun CP, Jan JT, Wang IH, Ma HH, Ko HY, Wu PY, Kuo TJ, Liao HN, Lan YH, Sie ZL, Chen YH, Ko YA, Liao CC, Chen LY, Lee IJ, Tsung SI, Lai YJ, Chiang MT, Liang JJ, Liu WC, Wang JR, Yuan PY, Lin YS, Tsai YC, **Hsieh SL**, Li CW, Wu HC, Ko TM, Lin YL, Tao MH* (2021). *Rapid generation of mouse model for emerging infectious disease with the case of severe COVID-19*. PLOS PATHOGENS, 17(8): e1009758. https://doi.org/10.1371/journal.ppat.1009758

11. Sung PS, **Hsieh SL*** (2021). *C-type lectins and extracellular vesicles in virus-induced NETosis*. JOURNAL OF BIOMEDICAL SCIENCE, 28(1): 46. https://doi.org/10.1186/s12929-021-00741-7

12. Tsai TY, Huang MT, Sung PS, Peng CY, Tao MH, Yang HI, Chang WC, Yang AS, Yu CM, Lin YP, Ching-Yu Bau3, Huang CJ, Pan MH, Wu CY, Hsiao CD, Yeh YH, Shiteng Duan, James C Paulson, **Hsieh SL*** (2021). *Siglec-3 (CD33) is the immune checkpoint receptor in HBV infection*. THE JOURNAL OF CLINICAL INVESTIGATION, 131(11): 141965. https://doi.org/10.1186/s12929-021-00741-7

13. Pan YG, Huang MT, P. Sekar, Huang DY, Lin WW, **Hsieh SL*** (2021). *Decoy Receptor 3 Inhibits Monosodium Urate-Induced NLRP3 Inflammasome Activation via Reduction of Reactive Oxygen Species Production and Lysosomal Rupture*. FRONTIERS IN IMMUNOLOGY, 12: 638676, 1-16. https://doi.org/10.3389/fimmu.2021.638676

14. Cheng L, Liu WL, Tsou YT, Li JC, Chien CH, Matthew P Su, Liu KL, Huang YL, Wu SC, Tsai JJ, **Hsieh SL****, Chen CH** (2021). *Transgenic Expression of Human C-Type Lectin Protein CLEC18A Reduces Dengue Virus Type 2 Infectivity in Aedes aegypti*. FRONTIERS IN IMMUNOLOGY, 12: 640367, 1-14. https://doi.org/10.3389/fimmu.2021.640367

15. Huang YL, Huang MT, Sung PS, Chou TY, Yang RB, Yang AS, Yu CM, Hsu YW, Chang WC, **Hsieh SL*** (2021). *Endosomal TLR3 co-receptor CLEC18A enhances host immune response to viral infection*. COMMUNICATIONS BIOLOGY, 4(1): 229, 1-13. https://doi.org/10.1038/s42003-021-01745-7

16. Ho HL, Wang FY, Lee HR, Huang YL, Lai CL, Jen WC, **Hsieh SL**, Chou TY* (2020). *Seroprevalence of COVID-19 in Taiwan revealed by testing anti-SARS-CoV-2 serological antibodies on 14,765 hospital patients*. The Lancet Regional Health-Western Pacific, 3, 1-7. https://doi.org/10.1016/j.lanwpc.2020.100041

17. Irham LM, Chou WH, Calkins MJ, Adikusuma W, **Hsieh SL**, Chang WC* (2020). *Genetic variants that influence SARS-CoV-2 receptor TMPRSS2 expression among population cohorts from multiple continents*. BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, 529(2): 263-269. https://doi.org/10.1016/j.bbrc.2020.05.179

18. Chang FY, Chen HC, Chen PJ, Ho MS, **Hsieh SL**, Lin JC, Liu FT, Sytwu HK* (2020). *Immunologic aspects of characteristics, diagnosis, and treatment of coronavirus disease 2019 (COVID-19)*. JOURNAL OF BIOMEDICAL SCIENCE, 27(1): 72. https://doi.org/10.1186/s12929-020-00663-w

19. Chen PK, **Hsieh SL**, Lan JL, Lin CC, Chang SH, Chen DY* (2020). *Elevated Expression of C-Type Lectin Domain Family 5-Member A (CLEC5A) and Its Relation to Inflammatory Parameters and Disease Course in Adult-Onset Still's Disease*. JOURNAL OF IMMUNOLOGY RESEARCH, 2020: 9473497. https://doi.org/10.1155/2020/9473497

20. Sung PS, Chang WC, **Hsieh SL*** (2020). *CLEC5A: A Promiscuous Pattern Recognition Receptor to Microbes and Beyond*. ADVANCES IN EXPERIMENTAL MEDICINE AND BIOLOGY, 1204: 57-73. https://doi.org/10.1007/978-981-15-1580-4_3

21. Chen MH, Huang MT, Yu WK, Lee SS, Wang JH, Cheng TR, Bowman MR, **Hsieh SL*** (2019). *Antibody blockade of Dectin-2 suppresses house dust mite-induced Th2 cytokine production in dendritic cell- and monocyte-depleted peripheral blood mononuclear cell co-cultures from asthma patients*. JOURNAL OF BIOMEDICAL SCIENCE, 26(1): 97. https://doi.org/10.1186/s12929-019-0598-6

22. Sung PS, **Hsieh SL*** (2019). *CLEC2 and CLEC5A: Pathogenic Host Factors in Acute Viral Infections*. FRONTIERS IN IMMUNOLOGY, 10: 2867. Review article. https://doi.org/10.3389/fimmu.2019.02867

23. Tung YT, Liang JJ, Feng HT, Jhang RN, **Hsieh SL**, Lin YL, Wang GJ* (2019). *Investigation of the extremely weak interaction between the Japanese encephalitis virus and CLEC5A using a multivalent-interaction-enhancement*

sensing electrode. BIOSENSORS AND BIOELECTRONICS, 2: 1-6. https://doi.org/10.1016/j.biosx.2019.100024

24. Obeid S, Sung PS, Le Roy B, Chou ML, **Hsieh SL**, Elie-Caille C, Burnouf T, Boireau W* (2019). *NanoBioAnalytical characterization of extracellular vesicles in 75-nm nanofiltered human plasma for transfusion: A tool to improve transfusion safety*. NANOMEDICINE-NANOTECHNOLOGY BIOLOGY AND MEDICINE, 20: 101977. https://doi.org/10.1016/j.nano.2019.02.026

25. Chang WC, Yeh YC, Ho HL, **Hsieh SL**, Chou TY* (2019). *Decoy Receptor 3 Expression Is Associated With Wild-Type EGFR Status, Poor Differentiation of Tumor, and Unfavorable Patient Outcome*. AMERICAN JOURNAL OF CLINICAL PATHOLOGY, 152(2): 207-216. https://doi.org/10.1093/ajcp/aqz035

26. Sung PS, Huang TF, **Hsieh SL*** (2019). *Extracellular vesicles from CLEC2-activated platelets enhance dengue virus-induced lethality via CLEC5A/TLR2*. NATURE COMMUNICATIONS, 10(1): 2402. **F1000 recommendation** (*The Spotlight of Trends of Immunology (Cell Press Reviews) discussed what we observed in this work*. https://doi.org/10.1038/s41467-019-10360-4

27. Yeh CC, Yang MJ, Lussier EC, Tsai HW, Lo PF, **Hsieh SL**, Wang PH* (2019). *Low plasma levels of decoy receptor 3 (DcR3) in the third trimester of pregnancy with preeclampsia*. TAIWANESE JOURNAL OF OBSTETRICS & GYNECOLOGY, 58(3): 349-353. https://doi.org/10.1016/j.tjog.2019.03.011

28. Tseng WC, Chen YT, Lin YP, Ou SM, Yang CY, Lin CH, Tarng DC*, Tseng WC, Tsai MT, Ou SM, Yang CY, Lin YP, Chen YH, Chuang Yi-Fang, Chen LK, Wang KY, Shih CJ, Chen YT, Lin YS, Hung SC, Kuo KL, Hung TP, Hu FH, Chen NJ, Chen YC, Lin CH, Tsai TH, **Hsieh SL**, Wei YH, Hsu CC, Liu JS, Chang YK & Chiang MH (2019). *Hyperuricemia Predicts an Early Decline in Renal Function among Older People: A Community-Based Cohort Study*. SCIENTIFIC REPORTS, 9(1): 980. https://doi.org/10.1038/s41598-018-37529-z

29. Liao TL, Huang YL, Chen YM, Lee HC, Chen DY, **Hsieh SL*** (2018). *Association of C-type lectin 18 levels with extrahepatic manifestations in chronic HCV infection*. SCIENTIFIC REPORTS, 8(1): 17287. https://doi.org/10.1038/s41598-018-35774-w

30. Sekar P, Huang DY, **Hsieh SL**, Chang SF, Lin WW* (2018). *AMPK-dependent and independent actions of P2X7 in regulation of mitochondrial and lysosomal*

functions in microglia. CELL COMMUNICATION AND SIGNALING, 16(1): 83. https://doi.org/10.1186/s12964-018-0293-3

31. Liao TL, **Hsieh SL**, Chen YM, Chen HH, Liu HJ, Lee HC, Chen DY* (2018). *Rituximab may cause increased hepatitis C virus viremia in rheumatoid arthritis patients through declining exosomal microRNA-155*. ARTHRITIS & RHEUMATOLOGY, 70(8): 1209-1219. https://doi.org/10.1002/art.40495

32. Tsai TY, Peng CY, Yang HI, Huang YL, Tao MH, Yuan SS, Lai HC, **Hsieh SL*** (2018). *The human C-type lectin 18 is a potential biomarker in patients with chronic hepatitis B virus infection*. JOURNAL OF BIOMEDICAL SCIENCE, 25(1): 59. https://doi.org/10.1186/s12929-018-0460-2

33. Lai YC, Chuang YC, Chang CP, Lin YS, Perng GC, Wu HC, **Hsieh SL**, Yeh TM* (2018). *Minocycline suppresses dengue virus replication by down-regulation of macrophage migration inhibitory factor-induced autophagy*. ANTIVIRAL RESEARCH, 155: 28-38. https://doi.org/10.1016/j.antiviral.2018.05.002

34. Tseng WC, Chen YT, Ou SM, Shih CJ, Tarng DC*, Tseng WC, Ou SM, Yang CY, Lin YP, Chuang YF, Chen LK, Wang KY, Chen YH, Tsai MT, Shih CJ, Chen YT, Lin YS, Hung SC, Kuo KL, Hung TP, Hu FH, Chen NJ, Chen YC, Lin CH, Tsai TH, **Hsieh SL**, Wei YH, Hsu CC, Liu JS, Chang YK, Chiang MH (2018). *U-Shaped Association Between Serum Uric Acid Levels With Cardiovascular and All-Cause Mortality in the Elderly: The Role of Malnourishment*. JOURNAL OF THE AMERICAN HEART ASSOCIATION, 7(4): e007523. https://doi.org/10.1161/JAHA.117.007523

35. Tsai HW, Huang MT, Wang PH, Huang BS, Chen YJ, **Hsieh SL*** (2018). *Decoy receptor 3 promotes cell adhesion and enhances endometriosis development*. JOURNAL OF PATHOLOGY, 244(2): 189-202. (**cover illustration**) https://doi.org/10.1002/path.5000

36. Lee PC, Yang LY, Wang YW, Huang SF, Lee KC, Hsieh YC, Yang YY, **Hsieh SL**, Hou MC, Lin HC, Lee FY, Lee SD* (2017). *Mechanisms of the prevention and inhibition of the progression and development of NASH by genetic and pharmacological DcR3 supplementation*. HEPATOLOGY RESEARCH, 47(12): 1260-1271. https://doi.org/10.1111/hepr.12863

37. Cheng AC, Yang KY, Chen NJ, Hsu TL, Jou R, **Hsieh SL**, Tseng PH* (2017). *CLEC9A modulates macrophage-mediated neutrophil recruitment in response to*

heat-killed Mycobacterium tuberculosis H37Ra. PLoS One, 12(10), e0186780. https://doi.org/10.1371/journal.pone.0186780

38. Chen ST, Chen JW, Wu WC, Chou TY, Yang CY, **Hsieh SL*** (2017). *CLEC5A is a critical receptor in innate immunity against Listeria infection*. NATURE COMMUNICATIONS, 8(1): 299. https://doi.org/10.1038/s41467-017-00356-3

39. Li TH, Liu CW, Lee PC, Huang CC, Lee KC, Hsieh YC, Yang YY, **Hsieh SL**, Lin HC, Tsai CY* (2017). *Decoy receptor 3 analogous supplement protects steatotic rat liver from ischemia-reperfusion injury*. JOURNAL OF THE CHINESE MEDICAL ASSOCIATION, 80(7): 391-400. https://doi.org/10.1016/j.jcma.2016.11.008

40. **Hsieh SL***, Lin WW* (2017). *Decoy receptor 3: An endogenous immunomodulator in cancer growth and inflammatory reactions*. JOURNAL OF BIOMEDICAL SCIENCE, 24(1): 39. https://doi.org/10.1186/s12929-017-0347-7

41. Chiu CW, Cheng H, **Hsieh SL*** (2017). *Contusion spinal cord injury rat model*. BIO-PROTOCOL, 7(12): e2337. https://doi.org/10.21769/BioProtoc.2337

42. Wen KC, Sung PL, **Hsieh SL**, Chou YT, Lee OK, Wu CW, Wang PH* (2017). *α2,3-sialyltransferase type I regulates migration and peritoneal dissemination of ovarian cancer cells*. ONCOTARGET, 8(17): 29013-29027. https://doi.org/10.18632/oncotarget.15994

43. Liu YL, Chen WT, Lin YY, Lu PH, **Hsieh SL****, Cheng IH** (2017). *Amelioration of amyloid-β-induced deficits by DcR3 in an Alzheimer's disease model*. MOLECULAR NEURODEGENERATION, 12(1): 1-17. https://doi.org/10.1186/s13024-017-0173-0

44. Lai JH, Lin YL, **Hsieh SL*** (2017). *Pharmacological intervention for dengue virus infection*. BIOCHEMICAL PHARMACOLOGY, 129: 14-25. *Review Article* https://doi.org/10.1016/j.bcp.2017.01.005

45. Yeh CC, Horng HC, Chou H, Tai HY, Shen HD, **Hsieh SL**, Wang PH* (2017). *Dectin-1-Mediated Pathway Contributes to Fusarium proliferatum-Induced CXCL-8 Release from Human Respiratory Epithelial Cells*. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, 18(3): 624. https://doi.org/10.3390/ijms18030624

46. 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** (2017). *CLEC5A-*

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