

Stanford

Shu-Chen Hung

Postdoctoral Research Fellow, Human Gene Therapy

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of California Merced (2016)
- Master of Science, Chang Gung University (2009)
- Bachelor of Science, Chang Gung University (2008)

STANFORD ADVISORS

- Elizabeth Mellins, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Epitope Selection for HLA-DQ2 Presentation: Implications for Celiac Disease and Viral Defense** *JOURNAL OF IMMUNOLOGY*
Hung, S., Hou, T., Jiang, W., Wang, N., Qiao, S., Chow, I., Liu, X., van der Burg, S. H., Koelle, D. M., Kwok, W. W., Sollid, L. M., Mellins, E. D.
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- **Epitope Selection for HLA-DQ2 Presentation: Implications for Celiac Disease and Viral Defense.** *Journal of immunology (Baltimore, Md. : 1950)*
Hung, S., Hou, T., Jiang, W., Wang, N., Qiao, S., Chow, I., Liu, X., van der Burg, S. H., Koelle, D. M., Kwok, W. W., Sollid, L. M., Mellins, E. D.
2019
- **Citrullinated Peptide Epitope Targets Therapeutic Nanoparticles to Human Neutrophils.** *Bioconjugate chemistry*
Khatri, S., Hansen, J., Mendes, A. C., Chronakis, I. S., Hung, S. C., Mellins, E. D., Astakhova, K.
2019
- **NLRX1 modulates differentially NLRP3 inflammasome activation and NF-kappa B signaling during Fusobacterium nucleatum infection** *MICROBES AND INFECTION*
Hung, S., Huang, P., Coutinho Almeida-da-Silva, C., Atanasova, K. R., Yilmaz, O., Ojcius, D. M.
2018; 20 (9-10): 615–25
- **Single-walled carbon nanotubes target neutrophils and Ly-6C(hi) monocytes and localize to joints in murine models of arthritis**
Hung, S., Rajasekaran, N., Zhu, S., Ma, Z., Ghosn, E., Mellins, E. D.
AMER ASSOC IMMUNOLOGISTS.2018
- **The Other Function: Class II-Restricted Antigen Presentation by B Cells** *FRONTIERS IN IMMUNOLOGY*
Adler, L. N., Jiang, W., Bhamidipati, K., Millican, M., Macaubas, C., Hung, S., Mellins, E. D.
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- **Fusobacterium nucleatum infection of gingival epithelial cells leads to NLRP3 inflammasome-dependent secretion of IL-1 and the danger signals ASC and HMGB1** *CELLULAR MICROBIOLOGY*
Bui, F. Q., Johnson, L., Roberts, J., Hung, S., Lee, J., Atanasova, K. R., Huang, P., Yilmaz, O., Ojcius, D. M.
2016; 18 (7): 970-981
- **Porphyromonas gingivalis attenuates ATP-mediated inflammasome activation and HMGB1 release through expression of a nucleoside-diphosphate kinase** *MICROBES AND INFECTION*
Johnson, L., Atanasova, K. R., Bui, P. Q., Lee, J., Hung, S., Yilmaz, O., Ojcius, D. M.

2015; 17 (5): 369-377

- **N-(1-Pyrenyl) Maleimide Induces Bak Oligomerization and Mitochondrial Dysfunction in Jurkat Cells** *BIOMED RESEARCH INTERNATIONAL*
Huang, P., Hung, S., Pao, C., Wang, T. V.
2015
- **P2X(4) Assembles with P2X(7) and Pannexin-1 in Gingival Epithelial Cells and Modulates ATP-induced Reactive Oxygen Species Production and Inflammasome Activation** *PLOS ONE*
Hung, S., Choi, C. H., Said-Sadier, N., Johnson, L., Atanasova, K. R., Sellami, H., Yilmaz, O., Ojcius, D. M.
2013; 8 (7)
- **Telomeric DNA-binding activities of heterogeneous nuclear ribonucleoprotein A3 in vitro and in vivo** *BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR CELL RESEARCH*
Huang, P., Hung, S., Wang, T. V.
2010; 1803 (10): 1164-1174