

Wei Su

Postdoctoral Fellow | The Department of Molecular and Cellular Physiology, Stanford University School of Medicine
Lorry I. Lokey Stem Cell Research Building, SIM1
265 Campus Drive, Stanford, CA 94305-5453

PROFESSIONAL EXPERIENCE

Postdoctoral Fellowship	09/2023-
Research Advisor: Dr. Thomas C. Südhof	Department of Molecular and Cellular Physiology
Postdoctoral Fellowship	12/2021-09/2023
Research Advisor: Dr. Hongbo Chi. Co-research Advisor: Dr. Junmin Peng.	Department of Immunology, St Jude Children's Research Hospital Developmental Neurobiology Department, St Jude Children's Research Hospital

PUBLICATION

- Su W, Saravia J, Risch I, Rankin S, Guy C, Chapman NM, Shi H, Sun Y, Li W, Huang H, KC Anil, Hu H, Wang Y, Liu D, Jiao Y, Chen PC, Soliman H, Yan KK, Zhang J, Vogel P, Liu X, Serrano G, Beach T, Yu J, Peng J, Chi H. CXCR6 orchestrates brain CD8⁺ T cell residency and limits murine Alzheimer's disease pathology. *Nature Immunology*. **Accepted**
- Su W, Chapman NM, Wei J, Zeng H, Dhungana Y, Shi H, Saravia J, Zhou P, Long L, Rankin S, KC Anil, Vogel P, Chi H. Protein prenylation drives discrete signaling programs for the differentiation and maintenance of effector T_{reg} cells. *Cell Metabolism*. **2020, 32, 996-1011.**
- Lim AS*, Su W*, Chapman NM, Chi H. Lipid metabolism in T cell signaling and function. *Nature Chemical Biology*. **2022, 18, 470-481. * Co-first author**
- Blanco B Daniel, Chapman Nicole, Raynor J, Xu C, Su W, KC Anil, Li W, Lim AS, Schattgen S, Shi H, Risch, I, Sun Y, Dhungana Y, Kim YJ, Wei J, Rankin S, Neale G, Thomas P, Yang K, Chi H. PTEN directs developmental and metabolic reprogramming Signaling for innate-like T cell fate and tissue homeostasis. *Nature Cell Biology*. **2022, 24, 1642-1654.**
- Long L, Wei J, Lim AS, Raynor J, Shi H, Connelly J, Wang H, Guy C, Xie B, Chapman N, Fu G, Wang Y, Huang H, Su W, Saravia J, Risch I, Wang D, Li X, Niu M, Dhungana Y, KC A, Zhou P, Vogel P, Yu Y, Peng M, Pruett-Miller, S, Chi H. CRISPR screens unveil signal hubs for nutrient licensing of T cell immunity. *Nature*. **2021, 600, 308-313.**
- Lim AS, Wei J, Ngugen TM, Shi H, Su W, Dhungana Y, Palacios, G, Dhungana, Y, Chapman NM, Long, LL, Saravia, J, Vogel, P, Chi H. Lipid signalling enforces Treg cell functional specialization in tumors. *Nature*. **2021, 591, 306-311.**
- Zhou M, Li W, Li J, Xie L, Wu R, Wang L, Fu S, Su W, Hu J, Li P. Compartmentalization of Enhanced biomolecular interactions for high-throughput drug screening in test tubes. *JBC*. **2020, 5.**
- Zeng H, Yu M, Tan H, Li Y, Su W, Shi H, Dhungana Y, Guy C, Neale G, Cloer C, Peng J, Wang D, Chi H. Discrete roles and bifurcation of PTEN signaling and mTORC1-mediated anabolic metabolism Underlie IL-7-driven B lymphopoiesis. *Sci Adv*. **2018, 4.**
- Su W, Zhou Z, Jiang F, Chang X, Liu Y, Wang S, Kan W, Xiao Meng, Shao M, Fang C, & Peng, F. *Iodobacter limnosediminis* sp. nov., isolated from arctic lake sediment. *Int J Syst Evol Microbiol*. **2013, 63, 1464-1470**
- Su W, Kan W, Wang S, Peng F. The research on staining of artificial liposomes. *Journal of Hubei University*, **2012 (02): 184-187.**

LEARSHIP AND COMPETITION

Virtual 3-Minute Thesis Competition (Oral Presentation)		12/2020
2020 Memphis Scipreneur Challenge	CEO	01/2020-03/2020
UTHSC-Chinese Student and Scholar Association	President	05/2017-08/2018

CONFERENCE

Society for Neuroscience 2022 San Diego	11/11/2022
Neuroimmune interactions in health and disease	06/07/2021
Gene Expression & Signaling in the Immune system virtual meeting	10/13/2020

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- 2020 Cell Research Virtual Symposium-T cell Biology and Therapeutics 09/18/2020
- Annual Graduate Research Day UTHSC (Poster) 04/26/2019
- 2018 Biomedical Symposium: Advances in Targeted Therapy 10/12/2018
- 2017 Biomedical Symposium: RNA metabolism and Human Disease 10/20/2017

TEACHING EXPERIENCE

- Medical Neurology Neuroanatomy Labs Teaching Assistant 01/2019

HONORS AND AWARDS

- **Scholarship** Outstanding student award in neuroscience, UTHSC (2021)
Award for Outstanding Self-Financed Student Abroad, Ministry of Education of China (2020)
National Encouragement scholarship for Exceptional student (2012)
The Third prize scholarship for Excellent Student (2011)
The First prize scholarship for Excellent Student (2010)
The Freshman Scholarship for Excellent Student (2009)
- Honors** Third prize in 2021 Virtual Graduate Research Day, UTHSC (2021)
Second prize in 4th Memphis Scipreneur Challenge (2020)
Excellent Graduate Students of Wuhan University (2013)
Furong student • Academic Research Award (2012)
The Second prize in the Competition of Experimental Microbiology (2012)
The Second prize of the Fifth Avenue Practical case analysis contest, Wuhan University (2010)
The Second prize of Summer Social Practice, Wuhan University (2010)
Active member in social activities, Wuhan University (2010)
Excellent Cadre of College of Life Science, Wuhan University (2009)