Xin Zhou

University of Connecticut Health Center
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Academic Record

Fudan University
Bachelor of Science in Life Science
2007-2011, Shanghai, China

University of Connecticut Health Center
Doctor of Philosophy in Biomedical Science
2013~2017 (expected), Farmington, CT, USA

Research Background

2013.08~Present
Biomedical Science, Dr. George Weinstock & Dr. George Kuchel Lab
University of Connecticut Health Center, Farmington
Project A (Immunology Department): Identifying function and migration of specific immune cells such as monocytes progenitors. Rotation with: Dr. Hector L. Aguila
Project B (Center on Aging): Discover new aging markers in muscle tissue. Rotation with Dr. George Kuchel
Project C (The Jackson Laboratory): Mock Community for 16S rRNA sequencing as a microbiome community sequencing quality control. Rotation with: Dr. George Weinstock
Thesis Project: Aging related microbiome that impact human inflammation status and induce immunosenescence. How certain bacteria/bacteria group interact with immune cells.

2012.01~2013.06
Research Assistant I, Dr. Daniel Popkin Lab
Case Western Reserve University, Cleveland
Research Assistant working on:
Lymphocytic choriomeningitis, Molluscum contagiosum and Influenza virus mediated immune response, lymphocyte development, T cell memory. Explore the role of Site-1-protiase activity on antiviral immune response. Test drug efficiency and delivery using CPMV packaged nanoparticle.

2011.08~2012.01
Research Assistant Intern
The Jackson Laboratory, Bar Harbor
Internship, working on caloric restricted model and its down steam signaling. Specifically, how NF1-Sirt1-HSF1 interact and their impact on metabolic homeostasis, and explore the novel role of Sirt1.
Certification of Mouse Model Operation (11/23/2011) by The Jackson Laboratory

2008.06~2011.07
Undergraduate Research Assistant
Fudan University, Shanghai, State Key Laboratory of Genetic Engineering
Worked on plant environmental stress response; herbal medicinal protein purification and functional analysis.

2009.06~2011.07
Xiyuan Scholar
Fudan University, Shanghai, State Key Laboratory of Genetic Engineering
An independent research project focused on the Late Embryogenesis Abundant (LEA) Protein prevalence and phylogeny in plant. To compare the LEA protein evolution with plant species evolution, see if the plant evolution is affected by certain characters such as their environmental resistance capacity.

Membership & Activities

Member
Chinese Society for Cell Biology (CSCB). *2011~Present*
The American Association of Immunologists (AAI). *2013~Present*
Travel Award and Fellowship
The 2nd Toward Cutting Edge: IFCC international Advanced Summer School for Biochemistry and Molecular Cell Biology. Shanghai, *2011.07*.

Grant Completed

2009.09 ~2010.09 (Funding Resource: Fudan University)
The Distribution and Evolution Character of LEA Protein in Plant
Fellowship, Fudan University Undergraduates Research Opportunities Program.
(Grant Number: FDUROP 101109) *Total cost: RMB 50,000*

Publication

1. Amy M. Wen, Nga Le, **Xin Zhou**, Nicole F. Sterinmetz, Daniel L. Popkin. Tropism of CPMV to Professional Antigen Presenting Cells Enables a Platform to Eliminate Chronic Infections***. ACS Biomater. Sci. Eng***., 2015, 1 (11), pp 1050–1054
2. Alyn Hatter, **Xin Zhou**, Kord Honda, Daniel L. Popkin, Langerhans Cell Hyperplasia From Molluscum Contagiosum. ***The American Journal of Dermatopathology*** 2014 Aug 19
3. Liang J; Zhou, M; **Zhou, X**, Jin, Y; Xu, M, Lin, J. *JcLEA*, a novel LEA like protein from *Jatropha curcas*, confers high tolerance to dehydration and salinity in Arabidopsis thaliana. ***PLoS ONE*** 2013 8(12): e83056.
4. **Zhou, X**.; Ramachandran, S.; Mann, M.; Popkin, D.L. Role of Lymphocytic Choriomeningitis Virus (LCMV) in Understanding Viral Immunology: Past, Present and Future. ***Viruses*** 2012, 4, 2650-2669.
5. Cai XZ, Pi Y, **Zhou X**, Qiao SY, Lin J. Hepatoma Cell Growth Inhibition by Inducing Apoptosis with Polysaccharide Isolated from Turkey Tail Medicinal Mushroom, *Trametes versicolor (L.: Fr.) Lloyd (Aphyllophoromycetideae).* ***International Journal of Medicinal Mushrooms***, 2010, 12(3): 257-263.
6. Lin J, **Zhou X**, Wang JY, Jiang PH, Tang KX. Purification and characterization of curcin, a toxic lectin fromthe seed of *Jatropha curcas*. ***Preparative Biochemistry and Biotechnology***, 2010, 40(2): 107-118
7. Lin J, Jin YJ, **Zhou X** and Wang JY. Molecular cloning and functional analysis of the gene encoding geranylgeranyl diphosphate synthase from *Jatropha curcas*, ***African Journal of Biotechnology***, 2010, 9(23):3342-3351.
8. Wu SQ, Guo XB, **Zhou X**, Li XS, Chen YY, Lin J. AFLP analysis of genetic diversity in main cultivatedstrains of Ganoderma spp. ***African Journal of Biotechnology***. 2009, 8(15):3448-3454

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