

## *Curriculum Vitae*

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**Educational Experience:**

**Postdoctoral Fellowship**, 10/2016 – 12/2017:

Sol Sherry Thrombosis Research Center, Temple University, Philadelphia, Pennsylvania, USA

**Ph.D., Cell biology**, 09/2011 – 06/2015

Cyrus Tang Hematology Center, Soochow University, Suzhou, Jiangsu, China

**M.Sc., Cell biology**, 09/2005 – 06/2008

School of Medicine, Soochow University, Suzhou, Jiangsu, China

**B.Sc., Biology**, 09/2001–06/2005

School of Life Science, Soochow University, Suzhou, Jiangsu, China

**Research Experience:**

07/2017~Present: Research Associate, Cyrus Tang Hematology Center, Soochow University, Suzhou, Jiangsu, China

05/2011~06/2017: Research Assistant, Cyrus Tang Hematology Center, Soochow University, Suzhou, Jiangsu, China

03/2009~04/2011: Research Apprentice, Cyrus Tang Hematology Center, Soochow University, Suzhou, Jiangsu, China

07/2008-02/2009: Research Associate, YesBiotech Company, Suzhou, China

**Publications:**

1. **Zhou J<sup>#</sup>**, Wu Y<sup>\*\*</sup>, Chen F, Wang L, Rauova L, Hayes VH, Poncz M, Li H, Liu T, Liu J, Essex DW<sup>\*</sup>. The disulfide isomerase ERp72 supports arterial thrombosis in mice. *Blood*. 2017; 130(6):817-828.
2. **Zhou J<sup>#</sup>**, Wu Y<sup>\*\*</sup>, Wang L, Rauova L, Hayes VM, Poncz M, Essex DW<sup>\*</sup>. The c-terminal CGHC motif of protein disulfide isomerase supports thrombosis. *J Clin Invest*. 2015;125:4391 -4406.
3. **Zhou J<sup>#</sup>**, Wu Y, Wang L, Rauova L, Hayes VM, Poncz M, Essex DW<sup>\*</sup>. The disulfide isomerase ERp57 is required for fibrin deposition in vivo. *J Thromb Haemost*. 2014;12:1890- 1897.
4. **Zhou J<sup>\*\*</sup>**, Yang A, Wang Y, Chen F, Zhao Z, Davra V, Suzuki-Inoue K, Ozaki Y, Birge RB, Lu Q, Wu Y<sup>\*</sup>. Tyro3, Axl, and Mertk receptors differentially participate in platelet activation and thrombus formation. *Cell Commun Signal*. 2018 Dec 12;16(1):98.  
(Corresponding author and First author)
5. Wang L, **Zhou J**, Wang L, Wang CC, Essex DW. The b' substrate binding domain of protein disulfide isomerase cooperates with the a and a' domains to functionally interact with  $\alpha$ IIb $\beta$ 3 on platelets. *J Thromb Haemost*. 2019 Feb;17(2):371-382.
6. Zhao Z, Wu Y, **Zhou J**, Chen F, Yang A, Essex DW. The transmembrane protein disulfide isomerase TMX1 negatively regulates platelet responses. *Blood*. 2019 Jan 17;133(3):246-251.
7. Chen F, Zhao Z, **Zhou J**, Lu Y, Essex DW, Wu Y. Protein disulfide isomerase enhances tissue factor-dependent thrombin generation. *Biochem Biophys Res Commun*. 2018 Jun 18;501(1):172-177.
8. Yang A, **Zhou J**, Wang B, Dai J, Colman RW, Song W, Wu Y. A critical role for plasma kallikrein in the pathogenesis of autoantibody-induced arthritis. *FASEB J*. 2017 Aug 14. pii: fj.201700018R.
9. Yang A, Chen F, He C, **Zhou J**, Lu Y, Dai J, Birge RB, Wu Y. The Procoagulant Activity of Apoptotic Cells Is Mediated by Interaction with Factor XII. *Front Immunol*. 2017 Sep 25;8:1188.
10. Wang L, Wu Y, **Zhou J**, Ahmad SS, Mutus B, Garbi N, Hammerling G, Liu J, Essex DW. Platelet-derived ERp57 mediates platelet incorporation into a growing thrombus by regulation of the  $\alpha$ IIb $\beta$ 3 integrin. *Blood*. 2013;122:3642-3650.
11. Wu Y, Ahmad SS, **Zhou J**, Wang L, Cully MP, Essex DW. The disulfide isomerase ERp57 mediates platelet aggregation, hemostasis, and thrombosis. *Blood*. 2012;119:1737-1746.

### Grants:

2013.01-2015.12, The National Natural Science Foundation in China, No.31201058 (PI)

2017.01-2020.12, The National Natural Science Foundation in China, No.81670133 (PI)

2016.07-2019.06, Suzhou Science and Technology Project Foundation, No.SYS201674 (PI)

### **Patent:**

The application of a hybridoma cell and its product monoclonal antibody,  
NO. ZL201410184173.3, Year 2017, China

### **Meeting abstracts:**

1. **Zhou J.** Wu Y, Wang L, Rauova L, Hayes VM, Poncz M, Essex D, The Second CGHC Motif of Protein Disulfide Isomerase Mediates Thrombosis. The 57th Annual meeting of American Society of Hematology. Orlando, USA, December 5-8, 2015.
2. **J. Zhou.** L. Wang, Y. Wu. Gas6 receptors, Tyro3, Axl and Mer differentially participate in glycoprotein VI-mediated platelet activation. 53th Annual Meeting and Exposition of the American-Society-of-Hematology (ASH), Oral presentation. ASH Abstract Achievement Award. Blood 2011; 118(21): 364.

### **Honors and Awards:**

- **Abstract Achievement Award.** The 53rd ASH Annual Meeting in San Diego, CA, December 10-13, 2011. Oral presentation.
- **Excellence Award.** Invited Speakers for JSTH/APSTH Joint Symposium program of the 36th Congress of JSTH, Osaka, Japan, May 28-Jun 1, 2014.
- **Travel Grants Award.** Invited Speakers for The 10th Congress of the Asian-Pacific Society on Thrombosis and Hemostasis (APSTH2018), Sapporo, Japan, Jun 27-July 1, 2018.

### **Professional skill:**

**Animal model for thrombosis.** (FeCl<sub>3</sub>-induced carotid artery thrombosis, FeCl<sub>3</sub>-induced mesentery arterial injury, Laser-induced cremaster arterial injury, etc.).

**Thrombosis and hemostasis Research.** (Platelet physiological function assay, coagulation assay).

**Signaling transduction.** (The major platelet surface glycoproteins receptor mediated signaling transduction,).

**Cell and molecular Biology Technology.** (Tissue culture, FACS, laser confocal microscope, PCR, RT-PCR, WB, etc.)

**Protein labeling and Mass Spectrometry.** (Using iodo-TMT reagent to label the protein and testing the samples by mass spectrometry. Scaffold 4 for data analysis from mass spectrometry)

**Statistics and computer skill.** Slide book 5.5, SigmaPlot, GraphPad Prism, Image J, PayMol