

Jie Zhu

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EDUCATION

Huashan Hospital, Fudan University

Master in Dermatology and venereology; GPA: 3.788/4.0

Advisor: Prof. Zhenghua Zhang

Shanghai, China

Sep 2018 - Jun 2021

School of Medicine, Shanghai Jiao Tong University

M.D. in clinical medicine; GPA: 3.41/4.0

Shanghai, China

Sep 2013 - Jun 2018

EXPERIENCES

- **Dermatology residency, Huashan Hospital of Fudan University, Sep 2019 - Jun 2021:**
 - Rotated through Dermatology Clinic, Laser Therapy Room, Mycology Lab, S.T.D. Dept., Medical Cosmetology Room, and Pathological Biopsy Room
 - Deal with outpatients from Dermatology Clinic independently
- **Assistant in establishing the psoriasis bio-databank in Huashan Hospital Sep 2018 – Jun 2021:**
 - Collecting serum, plasma, PBMCs, platelets, and tissue specimens as well as clinical data of outpatients with psoriasis
 - Till now, 525 patients have been enrolled, including 411 patients on methotrexate monotherapy, 73 patients on IL-17A inhibitors monotherapy (ixekizumab or secukinumab), and 41 patients who received a 12-week treatment of MTX in combination with an IL-17A inhibitor.
- **Dermatology intern, Huashan Hospital of Fudan University, Sep 2018 - Jun 2019:**
 - Listened to the lectures on difficult cases in dermatology given by experts
 - Learned how to diagnose and treat different skin disorders with the guidance of senior doctors
- **Intern, Xinhua Hospital Affiliated to Shanghai Jiao Tong University School of Medicine, Sep 2017- Jun 2018:**
 - Rotated through 15 departments in medicine and surgery
 - Gained a broad and rigorous experience in the delivery of healthcare
- **General English and Health Sciences Program, The University of Adelaide, Australia, Jul 2016:**
 - Completed systematic anatomy course and medical English training

PUBLICATIONS

- **Jie Zhu**, Zhicheng Wang, Zhenghua Zhang, et al. Association of methylenetetrahydrofolate reductase rs1801133 polymorphisms with the efficacy of methotrexate in psoriasis and methotrexate-related hepatotoxicity in psoriatic arthritis. (under review)
- **Jie Zhu**, Ling Han, Zhenghua Zhang, et al. Methotrexate combination therapy is more suitable for psoriasis patients with increased serum IgE levels than IL-17A inhibitors alone. (under review)
- **Jie Zhu**, Ling Han, Ruilai Liu, et al. Identification of proteins associated with development of psoriatic arthritis in peripheral blood mononuclear cells: a quantitative iTRAQ-based proteomics study. *J Transl Med.* 2021 Aug 3;19(1):331.
- Cui Fan, **Jie Zhu**, Yifei Sang, et al. A review on regulatory B cells and systemic lupus erythematosus. *Current Immunology.* 2016,36(01):54-57. [In Chinese]

PATENTS

- The S100A4 is used as biomarker for evaluating methotrexate intervening psoriasis and application of biomarker for evaluating methotrexate intervening psoriasis (co-inventor). CN112083167A. (published on 2020.12.15)
- Application of SNP locus of PPP1CB gene in preparation of products for detecting psoriasis vulgaris susceptibility (co-inventor). CN112080559A. (published on 2020.12.15)

HONORS AND AWARDS

- Excellent teaching assistant of Fudan University, 2018, 2019
- Outstanding graduates of Shanghai Jiao Tong University, 2018
- The third place of Chinese chess contest, Shanghai Jiao Tong University, 2016
- Excellent student of Shanghai Jiao Tong University, 2014, 2015

SKILLS

- Licensed dermatologist in China (No. 202031110320683199606150225)
- Rich experience in clinical research
- Molecular Biology: DNA/RNA/protein extraction, ELISA, qPCR, western blot
- Immunology: cell culture, flow cytometry, cytokine analysis
- Computer: Flowjo, Graphpad Prism, SPSS, Stata, Image J, R
- Proficient with dermoscopy and reflectance confocal microscopy (RCM)
- Statistics and programming skills for bioinformatics analysis
- Strong communication skills, both written and oral

RESEARCH INTERESTS

- Pharmacogenomics in moderate-to-severe psoriasis
- Clinical, laboratory, and genetic markers for the development of psoriatic arthritis in psoriasis patients
- The role of IgE in psoriasis
- Overlaps between psoriasis and atopic dermatitis