

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:**
 - Rotation through Dermatology Clinic, Mycology Lab, S.T.D. Dept., Medical Cosmetology Room, and Pathological Biopsy Room
 - Active participation in the diagnosis, treatment, and management of outpatients from Dermatology Clinic
- **Assistant in establishing the psoriasis bio-databank in Huashan Hospital, Sep 2018 – Jun 2021:**
 - Led a six-member team to collect serum, plasma, PBMCs, platelets, and tissue specimens as well as clinical data of psoriasis patients
 - Till Dec 2021, 525 patients have been enrolled, including 411 on methotrexate monotherapy, 73 on IL-17A inhibitors monotherapy (ixekizumab or secukinumab), and 41 patients who received a 12-week treatment of methotrexate combined with IL-17A inhibitors.
- **Dermatology intern, Huashan Hospital of Fudan University, Sep 2018 - Jun 2019:**
 - Supported senior medical staff in the diagnosis and treatment of patients
 - Participated in daily rounds while assisting senior physicians
- **Intern, Xinhua Hospital Affiliated to Shanghai Jiao Tong University School of Medicine, Sep 2017- Jun 2018:**
 - Rotated through departments of Internal Medicine, Surgery, Obstetrics & Gynecology, Pediatrics
 - 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**, 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.
- **Jie Zhu**, Zhicheng Wang, Lu Tao, et al. MTHFR gene polymorphism association with psoriatic arthritis risk and the efficacy and hepatotoxicity of methotrexate in psoriasis. *Front Med (Lausanne).* 2022 Apr 11;9:869912.
- **Jie Zhu**, Ling Han, Zhenghua Zhang, et al. Methotrexate modulates IgE levels in psoriatic inflammation. (In submission)
- 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

- Kexiang Y, Jie Z, Zhenghua Z, Jinhua X, Xuejun Z. (2019). Application of SNP locus of PPP1CB gene in preparation of products for detecting psoriasis vulgaris susceptibility. *CN112080559A*.
- Kexiang Y, Jinhua X, Jie Z. (2019). The S100A4 is used as biomarker for evaluating methotrexate intervening psoriasis and application of biomarker for evaluating methotrexate intervening psoriasis. *CN112083167A*.

SKILLS

- Molecular Biology: DNA/RNA/protein extraction, ELISA, qPCR, western blot
- Immunology: cell culture, flow cytometry, cytokine analysis
- Software & Tools: Flowjo, Graphpad Prism, SPSS, Stata, Image J, plink, R
- Imaging instruments: dermoscopy, in vivo reflectance confocal microscopy (RCM)
- Clinical: licensed doctor in China and three years of experience in clinical research

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

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
- Relationships between psoriasis and atopy