

Min Wei

Address University of Kentucky
741 South Limestone Street, BBSRB
Lexington, KY 40536

Email min.wei@uky.edu

Telephone (617) 775-8738

I. EDUCATION

University of Kentucky College of Medicine, Lexington, KY
8/2015-current

PhD candidate in Molecular and Cellular Biochemistry

Sun Yat-sen University, Guangzhou, P.R. China
9/2003-12/2007

- M.S. in Science specialized in Pharmacology, December 2007

Peking University, Beijing, P.R. China
9/1990-7/1994

- B.A. in Sciences specialized in Pharmaceutical Chemistry, July 1994

II. RESEARCH EXPERIENCE

University of Kentucky, Biochemistry Department, Lexington, KY 05/2016-current

- Mentor: Jessica Blackburn, PhD
- Project title: Define the role of PRL-3, a phosphatase, in T cell acute lymphoblastic leukemia.

University of Kentucky, Markey Cancer Center, Lexington, KY 2/2015-4/2015

- Mentor: Tianyan Gao, PhD
- Rotation studying PHLPP function in colon cancer

University of Kentucky, Markey Cancer Center, Lexington, KY 11/2014-1/2015

- Mentor: Kathleen O'Connor, PhD
- Rotation studying integrin signaling in breast cancer

University of Kentucky, Markey Cancer Center, Lexington, KY 9/2014-10/2014

- Mentor: Hunter N. Mosley, PhD

- Rotation learning Python and Linux

**Massachusetts General Hospital, Transplantation Biology Research center,
Boston, MA**

9/2012-7/2014

- Mentor: Zhirui Wang, PhD
- Project title: Development of Diphtheria Toxin (DT) based recombinant immunotoxins for transplantation and cancer

Sun Yat-sen University, Guangzhou, P.R. China

12/2005-

11/2007

- Mentor: Liang Tao, PhD
- Project title: Define the interaction of diazepam with Human T cells and its mechanism.

III. AWARDS AND HONORS

- Second place for oral presentation at Biochemistry Department retreat 06/2019

IV. TEACHING ACTIVITIES

Graduate Courses

- MI707 Contemporary Topics in Immunology; Immunotherapy Spring 2018
2-hour lecture on dendritic cells in cancer immunotherapy
University of Kentucky, Biochemistry Department, Lexington, KY

Undergraduate Courses

- Teaching Assistant, Fundamentals of Biochemistry Course Spring 2017
University of Kentucky, Biochemistry Department, Lexington, KY
- Senior Instructor, Pharmaceutical Chemistry course 2007-2012, 2014-2015
Guangzhou Medical University, Guangzhou, China
- Instructor, Pharmaceutical Chemistry course 2005-2006
Guangzhou Medical University, Guangzhou, China
- Instructor, Pharmaceutical Chemistry course 2002-2005
Guangzhou Health School, Guangzhou, China
- Assistant Instructor, Pharmaceutical Chemistry course 1998-1999
Guangzhou Health School, Guangzhou, China

- Assistant Instructor, Pharmaceutical Chemistry course 1994-1998
Guangzhou Nursing School, Guangzhou, China

V. MENTORING/ADVISING ACTIVITIES

Graduate Students

- Jing Huang, UK IBS program 9/2016-10/2016

Undergraduate Students

- Karmen Loehr, UK College of Art and Science 08/2018-current
- Sydney Lammers, UK College of Health Sciences 05/2018-7/2018
- Maya Cleveland, UK Biology Major 08/2017-5/2018
- Cha Landrail, UK Biology Major 09/2017-12/2017
- Janice Bautista, Suffolk University 05/2016-06/2016

High School Student

- Sanna Kahloon, Paul Laurence Dunbar High School 09/2019-now

VI. ADMINISTRATIVE ACTIVITIES AND UNIVERSITY SERVICE

Volunteer for a symposium, Preparing Science Professionals Sept. 29-30, 2017
University of Kentucky, Lexington, KY

Volunteer for Curiosity Fair, University of Kentucky, Lexington, KY, 2019

VII. PROFESSIONAL ACTIVITIES AND PROFESSIONAL DEVELOPMENT

Professional Development

Meetings Attended

- American Society of Hematology Annual Meeting, Orlando, FL, 2019 (Poster)
- Midwest Zebrafish Meeting, Lexington, KY, 2019 (poster)
- University of Kentucky Markey Cancer Center Research Day, Lexington, KY. 2019 (poster)
- Workshop on Frontiers in Phosphatase Research and Drug Discovery, Tokyo, Japan, 2018 (Oral and Poster presentation)
- Protein phosphatase meeting, Snowmass, CO, 2018 (poster)
- University of Kentucky Markey Cancer Center Research Day, Lexington, KY. 2018 (poster)
- American Association of Cancer Research meeting, Chicago, IL. 2018 (poster)

- University of Kentucky Markey Cancer Center Research Day, Lexington, KY. 2017 (poster)
- Experimental Biology 2017, Chicago, IL. 2017 (poster)
- University of Kentucky Markey Cancer Center Research Day, Lexington, KY. 2016

Seminars/Workshops Attended

- Methods to Promote Data Reproducibility in Laboratory Research (3 sessions), College of Medicine, University of Kentucky, 2019
- “Cancer Modeling in the CRISPR Age”, American Association for Cancer Research Conference, 2018
- Assessing the T-cell Repertoire in Clinical Trials, American Association for Cancer Research Conference, 2018
- Multiple Career Development Workshop, University of Kentucky, Lexington, KY, 2016-2018

Memberships

- American Association of Cancer Research
- American Society of Biochemistry and Molecular Biochemistry
- Biomedical Graduate Student Organization, University of Kentucky

VIII. RESEARCH AND INTELLECTUAL CONTRIBUTIONS

Peer Reviewed Publications

1. **Wei M**, Haney MG, and Blackburn JS. Protein Tyrosine Phosphatase 4A3 (PTP4A3/PRL-3) drives migration and progression of T-Cell Acute Lymphoblastic Leukemia *in vitro* and *in vivo*. *Oncogenesis*, 2020; 9:6
2. **Min Wei**, Konstantin V. Korotkov, Jessica S. Blackburn. Targeting phosphatase of regenerating Liver (PRLs) in Cancer. *Pharmacology & Therapeutics*, 2018:
3. Zhaohui Wang, **Min Wei (co-first author)**, Huiping Zhang, Hongyuan Chen, Sharon Germana, Christene A. Huang, Joren C. Madsen, David H. Sachs, Zhirui Wang. Diphtheria-toxin based anti-human CCR4 immunotoxin for targeting human CCR4+ cells *in vivo*. *Molecular Biology*, 2015; Vol 9(7): 1458-1470
4. **Min Wei**, Jose Marino, Aaron Trowell, Huiping Zhang, Jaclyn Stromp Peraino, Priyani V. Rajasekera, Joren C. Madsen, David H. Sachs, Christene A. Huang, Gilles Benichou and Zhirui Wang. Diphtheria toxin-based recombinant murine IL-2 fusion toxin for depleting murine regulatory T cells *in vivo*. *Protein Engineering, Design & Selection*, 2014; Vol 27 (9): 289 – 295
5. Jaclyn Peraino, Huiping Zhang, Priyani V. Rajasekera, **Min Wei**, Joren C. Madsen, David H. Sachs, Christene A. Huang, and Zhirui Wang. Diphtheria toxin-based bivalent human IL-2 fusion toxin with improved efficacy for targeting human CD25+ cells, *J Immunol Methods*. 2014 March; 405: 57–66.

6. **Min Wei**, Li Li, Rui Meng, Yanying Fan, Yun Liu, Liang Tao, Xianguo Liu, Changyou Wu. Suppressive Effect of Diazepam on IFN- γ Production by Human T Cells. *International Immunopharmacology* 10 (2010): 267–271