ZIWEI WANG, PHD

CURRICULUM VITAE

CONTACT INFORMATION

Current Position	Postdoctoral Research Fellow Moding Lab, Department of Radiation Oncology Stanford University School of Medicine
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EDUCATION

04/2015-03/2021	**Doctor of Philosophy**, Nutritional Biology University of California, Davis, Davis, CA, USA
09/2010-07/2014	**Bachelor of Engineering,** Biopharmaceutics Beijing University of Chinese Medicine, Beijing, China

PROFESSIONAL EXPERIENCES

RESEARCH EXPERIENCES

04/2021-present	**Postdoctoral Research Fellow,** Radiation Oncology Stanford University, Stanford, CA, USA
08/2018-12/2020	**Research Assistant,** Integrated Traditional and Western Medicine Zhejiang Cancer Hospital, University of Chinese Academy of Sciences, Hangzhou, China
09/2014-03/2021	**Graduate Student Researcher,** Nutritional Biology UC Davis, Davis, CA, USA
09/2013-05/2014	**Undergraduate Student Researcher,** Food Science and Nutritional Engineering China Agricultural University, Beijing, China

TEACHING EXPERIENCES

08/2016-03/2021	**Head Teaching Assistant,** Discoveries and Concepts in Nutrition Department of Nutrition, UC Davis, Davis, CA, USA Lecture: *"Traditional Chinese Medicine and Nutrition – Listen to your body!"*
10/2015-12/2016	**Teaching Assistant,** Bioenergetics and Metabolism Department of Molecular and Cellular Biology, UC Davis, Davis, CA, USA
03/2015-06/2015	**Teaching Assistant,** General Chemistry Laboratory Department of Chemistry, UC Davis, Davis, CA, USA

OTHER MEMBERSHIPS AND EXPERIENCES

05/2022-present	**Member**, Radiation Research Society
08/2021-present	**Consultant** BCD Bioscience, Davis, CA, USA

09/2013-10/2013 **Intern,** Traditional Chinese Medicine Pharmacology Laboratory Xiyuan Hospital, China Academy of Chinese Medical Sciences, Beijing, China

HONORS AND AWARDS

2020-2021	Post-Candidacy Non-Resident Tuition Fellowship, UC Davis
2017/2019	Carpenter Travel Award, UC Davis
2019	Fredric Hill Research Award, UC Davis
2018	Nominee for Outstanding Graduate Teaching Award, UC Davis
2015-2018	Henry A. Jastro Research Scholarship Awards, UC Davis
2015-2017	Graduate Group of Nutritional Biology Graduate Student Fellowship, UC Davis
2014-2015	Graduate Group of Nutritional Biology Progress Award, UC Davis
2011-2014	Outstanding Academic Performance Fellowship, Beijing University of Chinese Medicine

PUBLICATIONS

1. Kang J, **Wang Z**, Oteiza PI. *"(-)-Epicatechin mitigates anxiety-related behavior in a mouse model of high fat diet-induced obesity."* ***The Journal of nutritional biochemistry.*** Vol. 110:109158 (2022). PMID: 36150679
2. Cremonini E, Daveri E, Iglesias DE, Kang J, **Wang Z**, Gray R, Mastaloudis A, Kay CD, Hester SN, Wood SM, Fraga CG, Oteiza PI. *"A randomized placebo-controlled cross-over study on the effects of anthocyanins on inflammatory and metabolic responses to a high-fat meal in healthy subjects."* ***Redox Biology****.* Vol. 51:102273 (2022). PMCID: PMC8902616
3. Xu C*, Zhang L*, Liu H, **Wang Z**, Wang Y, Li D, Du W, Xu L, Chen H, Zhang B, Ju H, Yao Q. *"Faeces from malnourished colorectal cancer patients accelerate cancer progression."* *Equally contributed to this manuscript. ***Clinical Nutrition***. Vol. 41(3):632-644 (2022). PMID: 35124471
4. Cremonini E*, Iglesias DE*, Kang J*, Lombardo GE*, Mostofinejad Z*, **Wang Z***, Zhu W*, and Oteiza PI. *"Review article: (-)-Epicatechin and the comorbidities of obesity."* *Equally contributed to this manuscript. ***Archives of Biochemistry and Biophysics***. Vol. 690:108505 (2020). PMID: 32679195
5. Kang J, **Wang Z**, Oteiza PI*. "(-)-Epicatechin mitigates high fat diet-induced neuroinflammation and altered behavior in mice."* ***Food and Function***. Vol. 11(6):5065-5076 (2020). PMID: 32432285
6. **Wang Z**, Litterio CM., Müller M, Vauzour D, Oteiza PI. *"(-)-Epicatechin and NADPH oxidase inhibitors prevent bile acid-induced Caco-2 monolayer permeabilization through ERK1/2 modulation."* ***Redox Biology***. Vol. 28:101360 (2020). PMCID: PMC6920094
7. Cremonini E, **Wang Z**, Bettaieb A, Adamo AM, Daveri E, Mills DA, Kalanetra KM, Haj FG, Karakas S, Oteiza PI. *"(-)-Epicatechin protects the intestinal barrier from high fat diet-induced permeabilization: implications for steatosis and insulin."* ***Redox Biology***. Vol. 14:588-599 (2018). PMCID: PMC5691220

MANUSCRIPTS IN PREPARATION

1. **Wang Z**, Cremonini E, Oteiza PI*. "Effects of catechins and procyanidins on fat-induced transcellular transport of endotoxins via chylomicrons."*

PRESENTATIONS

10/2022	The 68th Radiation Research Society's Annual Meeting, Hawaii, USA. *"PCLO mutations are associated with improved local control and radiosensitivity in soft tissue sarcomas."* Poster.
11/2019	The 9th International Conference on Polyphenols and Health, Kobe, Japan. *"The ERK Signaling Cascade in Bile-induced Caco-2 Monolayer Permeabilization: Prevention by (-)-Epicatechin and NADPH Oxidase Inhibitors."* Poster. **Poster Award**.
09/2019	The 8th Annual Student Symposium of Graduate Group in Nutritional Biology, UC Davis. *"(-)-Epicatechin and NADPH oxidase inhibitors prevent bile acid-induced Caco-2 monolayer permeabilization through ERK1/2 modulation."* Oral Presentation.
09/2018	The 7th Annual Student Symposium of Graduate Group in Nutritional Biology, UC Davis. *"(-)-Epicatechin Protects Bile Acids-induced Caco-2 Monolayer Permeabilization."* Oral Presentation. **Third Place Oral Presentation**.
09/2017	The 6th Annual Student Symposium of Graduate Group in Nutritional Biology, UC Davis. *"(-)-Epicatechin protects the intestinal barrier from high fat diet-induced permeabilization: implications for steatosis and insulin."* Oral Presentation.
05/2016	Oxygen Club of California World Congress, Davis, CA, USA. *"(-)-Epicatechin prevents high-fat diet-induced intestinal permeabilization and endotoxemia in mice: a link to insulin sensitivity."* Poster. **Oxygen Club of California World Congress Fellowship**.
04/2016	Experimental Biology 2016, San Diego, CA, USA. *"(-)-Epicatechin prevents high-fat diet-induced intestinal permeabilization and insulin resistance in mice."* Poster.
10/2015	The 4th Annual Student Symposium of Graduate Group in Nutritional Biology, UC Davis. *"(-)-Epicatechin Mitigates High-fat-associated Obesity and Insulin Resistance."* Poster.