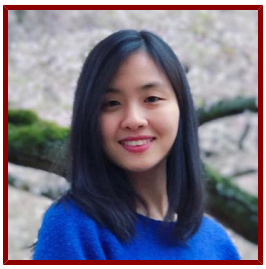
Stanford



Ziwei Wang

Postdoctoral Scholar, Radiation Therapy

Curriculum Vitae available Online

Bio

BIO

Ziwei received her BE in biopharmaceutics at Beijing University of Chinese Medicine. She obtained her PhD in Nutritional Biology at UC Davis, where she worked in the laboratory of Dr. Patricia Oteiza investigating the mechanisms involved in the beneficial effects of (-)-epicatechin on high-fat-induced intestinal permeability and endotoxemia. She currently works as a postdoctoral fellow, establishing a platform to rapidly validate the functional impact of genetic alterations in tumor cells and potential therapeutic targets in the stromal cells of primary tumors. She is as passionate about working in the lab as she is about enjoying nature by doing outdoor activities like hiking, skiing, travelling, and trying out new foods.

PROFESSIONAL EDUCATION

- Ph.D., University of California, Davis , Nutritional Biology (2021)
- B.E., Beijing University of Chinese Medicine , Biopharmaceutics (2014)

STANFORD ADVISORS

- Everett Moding, Postdoctoral Faculty Sponsor

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My current work focuses on establishing preclinical platforms to rapidly validate the functional impact of genetic alterations in tumors using both cell and genetically engineered mouse models. We hope this system can accelerate the discovery and translation of novel cancer therapies to patients.

Publications

PUBLICATIONS

- **High throughput mutational characterization of the GPCR ligand C5a using yeast display and deep sequencing.** *Structure (London, England : 1993)*
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- **Faeces from malnourished colorectal cancer patients accelerate cancer progression.** *Clinical nutrition (Edinburgh, Scotland)*
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- **(-)-Epicatechin mitigates high fat diet-induced neuroinflammation and altered behavior in mice.** *Food & function*
  Kang, J., Wang, Z., Oteiza, P. I.
  2020; 11 (6): 5065-5076

- **(-)-Epicatechin and NADPH oxidase inhibitors prevent bile acid-induced Caco-2 monolayer permeabilization through ERK1/2 modulation.** *Redox biology*
  Wang, Z., Litterio, M. C., Müller, M., Vauzour, D., Oteiza, P. I.
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- **(-)-Epicatechin protects the intestinal barrier from high fat diet-induced permeabilization: Implications for steatosis and insulin resistance.** *Redox biology*
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