



Mengwen (Gwen) Zhang PhD

Technology Specialist

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Gwen Zhang assists the firm in patent prosecution in the areas related to chemistry and materials science. Gwen's technical background includes extensive knowledge in the areas of nanotechnology and formulation development. She also serves clients in technology spaces including chemical materials, medical devices and energy storage devices. Gwen regularly assists with patentability searching and patent application drafting.

Prior to joining Wolf Greenfield, Gwen worked as a senior formulation chemist at Corteva Agriscience designing and developing novel formulations to deliver active ingredients for agricultural uses. She's had experience working closely with biologists, chemists and engineers in a highly collaborative setting validating new formulation concepts.

Before beginning her career as a formulation chemist, Gwen completed her PhD in chemical engineering from the University of California, Santa Barbara, under the supervision of Prof. Matthew E. Helgeson and Prof. Samir Mitragotri. Gwen's doctoral research focused on developing multi-phasic nanoemulsions and using them as templates to engineer complex nanoparticles with the capability of encapsulating various drugs, imaging agents and biologics. She has extensive experience in nanomaterial structure elucidation using advanced microscopy and scattering techniques. She has also successfully drafted several neutron beam time proposals and collaborated with scientists at the National Institute of Standards and Technology (NIST) in conducting neutron scattering studies.

Gwen also worked as a research and teaching assistant at the University of California, Santa Barbara, where she assisted professors in teaching chemical engineering courses and mentored undergraduate students conducting independent research.

Education

Massachusetts Institute of Technology, BS,
Chemical Engineering

University of Illinois at Urbana-Champaign, MS,
Chemical Engineering

University of California, Santa Barbara, PhD,
Chemical Engineering

Practice Groups

Chemical & Materials
Technologies

Recognition

- Graduate Division Dissertation Fellowship (2018)
- Crossroads Fellowship in Materials, Mechanics, and Medicine (2014-2015)
- Heslin Fellowship (2013-2014)