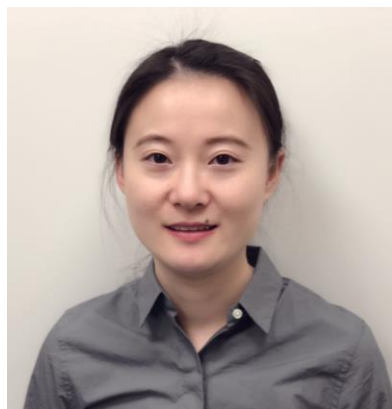


TING XU



Dr. Ting Xu is a Postdoctoral Researcher in the Lachman Institute for Pharmaceutical Analysis at Long Island University. She received her B.S. degree in Pharmacy from China Pharmaceutical University and her Ph.D. degree from Long Island University in Pharmaceutics and Drug Design at 2017. Her main responsibilities in the institute include: design and perform the experiment related to pharmaceutical analysis of drug products and solid-state analysis of API, understand and interpret the data, and generate the report; implement analytical methods; aid in development of laboratory SOPs; train the undergraduate and graduate students in proper lab techniques. She also teaches in the Solid State Characterization course for Ph.D. students.

Dr. Xu's primary research area is in the discipline of Pharmaceutical formulation, pre-formulation and Pharmaceutical Material Science. These areas focus on the design and development of the pharmaceutical dosage forms for small organic molecules as well as the study of the impact of the physico-chemical properties of formulation components on the performance of the final dosage form. The properties of the materials may affect powder flow, mixing, compaction, and physical stability, which, in turn, contribute to dosage form performance. Processing stresses experienced in unit operations may induce changes in these critical properties and therefore, alter dosage form performance. Central to her research is the use of advanced formulation and analytical techniques to develop dosage forms and monitor and control the material properties throughout the manufacturing process. These techniques include: tableting, granulation, extended release, encapsulation, solid dispersion techniques, nanoparticles, powder x-ray diffraction, differential scanning calorimetry, thermal gravimetric analysis, mid and near diffuse reflectance Fourier transform infra-red spectrophotometry, and molecular and crystallographic modeling. Dr. Xu has published papers in peer-reviewed journals as well as book chapters, she has also presented at several national conferences. Dr. Xu has been a member of the Beta Theta Chapter of the Rho Chi Society since 2015.