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Characterization and Formulation Considerations for Small molecule Preclinical Drug Development

Huan Xie, Ph.D. is Professor of Pharmaceutics at College of Pharmacy and Health Sciences, Texas Southern University (TSU). Currently she is the co-PI of RCMI Center for Biomedical and Minority Health Research (CBMHR) supported by NIMHD, as well as Director of GCC Center for Comprehensive PK/PD and Formulation (CCPF) supported by Cancer Prevision & Research Institute of Texas (CPRIT). Dr. Xie has a broad background in nano-formulation and targeted drug delivery, with specific expertise in cancer therapy applications. She obtained her B.S. in Chemistry at Fudan University in Shanghai, and her Ph.D. in Chemistry at North Carolina State University. She had 4-year industrial experience working on silica/gold nanoshells for photothermal ablation cancer therapy, which has been in several cancer clinical trials. Since Dr. Xie joined TSU in 2008, she has further applied her expertise to her research. As Program Director of Graduate Program of Pharmaceutical Sciences (GPPS), Dr. Xie focused on mentoring next-generation under representative minorities (URM) scientists in Pharmaceutics. In addition to her normal teaching load, she has successfully carried out over 40 research projects, taught over 1000 Pharm.D. students and personally mentored 6 research scientists/postdoctoral fellow, over 30 Ph.D., Pharm.D., and undergraduate students, most of them are URM. Those trainees were highly sorted by employers including FDA, drug companies, hospitals, and academia. She has also collaborated with various researchers from universities and companies across the nation. She has served as PI or co-Investigator on numbers of NIH, CPRIT and private agent funded grants of totally of over \$24.4smillion. She has good track record of over 40 publications, over 100 abstracts/prestations and 3 patent awards. Dr. Xie is the awardee of “Minority-serving Institution Faculty Scholar in Cancer Research Award” from American Association for Cancer Research in 2016 and 2012. She was also the awardee of TSU 2015 Scholarly Research/Creative Activities Award. She has served on the editorial board of several journals and is an active reviewer for numerous journals.