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Dr. Oberyszyn, who also serves as vice chair of academic affairs for the Pathology Department, studies the role of inflammation, immunosuppressive status and gender in the development of ultraviolet light-induced non-melanoma skin cancer. Studies in her lab increase understanding of the function of biological mediators, including prostaglandins, cytokines and reactive oxygen intermediates during ultraviolet light-induced squamous cell carcinoma development. Current studies are focused on understanding differences in male and female skin that contribute to men developing significantly more skin cancer. Oberyszyn's lab team also seeks to understand the link between therapeutic or disease-induced immunosuppression and the staggering increase in development of non-melanoma skin cancer. They are evaluating both topically applied and orally delivered natural compounds such as black raspberry extracts and tomatoes as potential chemopreventive and chemotherapeutic agents.

Dr. Oberyszyn earned her PhD in microbiology from Rutgers and completed a postdoctoral fellowship in general surgery at the University of Medicine and Dentistry of New Jersey. She then completed a postdoctoral fellowship in medical microbiology and immunology at Ohio State.

"Men and Women Are Not Just From Different Planets; Prevention of Non-Melanoma Skin Cancer"

Tatiana Oberyszyn, PhD

Associate Professor
Department of Pathology
Member, Molecular Carcinogenesis and Chemoprevention Program
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