

Fred Lozy, Ph.D.
Staff Science Consultant

Dr. Lozy is a Staff Science Consultant at ChromaDex Spherix Consulting. As a valuable member of our team, he is dedicated to providing our clients with thorough and personal support for their regulatory and scientific needs.

Dr. Lozy received his B.S. in Biotechnology and his Ph.D. in Cell and Development Biology from Rutgers University. During his doctoral research, he worked at the Rutgers Cancer Institute of New Jersey studying the interaction of autophagy and HER2+ breast cancer and conducted preclinical studies on autophagy inhibitors to improve efficacy of HER2+ breast cancer targeted therapy. Dr. Lozy continued his postdoctoral training at the National Human Genome Research Institute (NHGRI) of the National Institutes of Health (NIH) studying the biochemical effects of mutations in the ubiquitin proteasome pathway in aggressive endometrial cancer. He has been a peer reviewer for scientific journals and has contributed to many scientific papers, reviews, and book chapters. Dr. Lozy was also selected to take part in the Translational Science Training Program at NIH, which encompassed preclinical and clinical studies, drug development, and IND applications.

At ChromaDex Spherix Consulting, Dr. Lozy is responsible for critical evaluation of scientific literature; design and interpretation of preclinical and clinical studies for food ingredients, dietary supplements and pharmaceuticals; and the preparation of health risk assessments and regulatory compliance dossiers for Generally Recognized As Safe (GRAS) dossiers, New Dietary Ingredient Notifications (NDIN), Novel Foods Submissions, Investigational New Drug Applications (IND), and New Drug Applications (NDA). His goal is to provide our clients with a clear understanding of the science that is appropriate to use in demonstrating the safety and/or efficacy of their products.



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Expertise

Cancer Biology

Cell and Developmental Biology

Biochemistry

Cell survival and death pathways

Credentials

B.S., Biotechnology, Rutgers University

Ph.D., Cell and Development Biology, Rutgers University