Dr. Jiri Adamec
Associate Director of Shared Resources

Education

Institute of Microbiology, CAS, Czech Republic	PHD	12/1994	Microbiology
Yale School of Medicine, New Haven, CT	Postdoctoral	12/1996	Biochemistry
Mayo Clinic and Foundation, Rochester, MN	Postdoctoral	12/2001	Biochemistry

Dr. Jiri Adamec is the Associate Director of Shared Resources with the LSU LCMC Health Cancer Center. He also is professor of interdisciplinary oncology at LSU Health New Orleans. In his more than 30-year career, Dr. Adamec has published more than 90 scientific manuscripts in numerous peer reviewed international journals and authored or co-authored several book chapters and invention disclosures.

Dr. Adamec spends his time identifying biomarkers that could act as early signs of cancer and neurodegenerative disease. New Orleans is an especially significant place for this type of research thanks to its diverse population.

Dr. Adamec is also director of Core Laboratories. Core Labs are shared facilities and innovative technologies that faculty can access to support their research and are essential to building capacity for collaborative research. Currently, LSU has more than 15 operating Core Laboratories from animal care to proteomics to clinical trials and translational research. Dr. Adamec hopes to spend his time improving each of these labs and ensuring that they are facilities that every researcher on LSU's campus can expand their research.

In addition, his focus on proteomics and metabolomics, or the study of the proteins and metabolites in cells, has made Dr. Adamec a notable collaborator. He uses proteomics and metabolomics for systems biology, a type of biomedical research that emphasizes understanding the larger picture of organisms, tissues, or cells and putting their pieces together. Collaborating in large, multidisciplinary teams, researchers can gain a deeper understanding of how everything in the human body interacts.

As cofounder, Dr. Adamec established several biotech companies whose technologies focus on solving the unique issues of collecting, storing, and analyzing biological samples in remote areas.