

Dr. Arrigo De Benedetti
Professor
Department of Biochemistry and Microbiology
LSU Shreveport

EDUCATION/TRAINING

Bar Ilan University, Israel	Bachelor of Science	08/1979	Biochemistry
State University of NY at Albany	PhD	07/1985	Molecular Biology
University of Chicago, IL	Post-Doc	1986-88	Molecular Genetics
University of Kentucky, Lexington	Post-Doc	1988-91	Biochemistry



Dr. Di Benedetti's work includes the mechanisms of DNA repair, altered protein synthesis in solid tumors, gene expression and gene therapy. He has published prominent papers in each of those areas of research.

His lab has been focused on radio resistance by the protein kinase Tousled (TLK). His team was first to identify the mRNA for TLK1B as a transcript that is highly dependent on the activity of eIF4F for translation, and its translation is induced by genotoxins.

Another major contribution by his lab to the field of cancer research was the identification of one of the key substrates of TLK1 – Nek1, and TLK1 activated Nek1 by phosphorylating T141 regulating its activation of the DDR pathway through its

activity on ATR and Chk1 (d).