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Biography

Prof. Şükrü Tüzmen is a molecular biologist, graduated from the Ph.D. program of the Department of Molecular Biology and Genetics, Bosphorus University, Istanbul in 1995. He has more than 34 years of multi-disciplinary research experience integrating studies of the molecular basis of human diseases, including cancer genetics. Prof. Tüzmen has a passion for advancing the molecular genetics of diseases by studying the associations between drugs, genes, pathways, and diseases. His mission is to discover and validate links between gene states and disease phenotypes, and further use these links to identify druggable targets to be utilized as biomarkers in the early diagnostic stages of genetic diseases such as cancer.

Prof. Tüzmen has focused his career to develop and apply cutting edge methods and technologies to ensure excellence in translation of his basic scientific research including cancer genetics, from bench to bedside. He has been involved with the development of new high-throughput biochip technologies. Specifically, screening of druggable compound libraries and siRNA libraries, and validation of gene expression levels via quantitative real-time PCR (qPCR) technology.

Previously, as a PhD scholar, Prof. Tüzmen was involved with nationwide screening and prenatal diagnosis of beta-thalassemia in the Turkish population using state-of-the-art molecular biology techniques and has participated in the development of a Nationwide Molecular Diagnostic Reference Laboratory at Bosphorus University. ***Prof. Tüzmen has received many National and International Scholarships/Awards including a six-year NIH Fogarty Fellowship, as the first Turkish Cypriot scientist, at the Laboratory of Chemical Biology, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health (NIH), Bethesda, MD U.S.A. to work on globin gene regulation.***

Prof. Tüzmen has been invited to deliver talks in many National and International settings, and he has served on many expert panels including The Research Grant Council, Hong Kong, China.