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I completed my B.Sc. at Bosphorus University in 2002 and later obtained a Ph.D., in Molecular Biology, Cell Biology and Biochemistry at Brown University in 2007. Before joining the Koc University in August 2019, I was a member of the Biosciences Division at SLAC National Accelerator Laboratory and also affiliated with Non-Periodic Imaging group at Stanford PULSE Institute. My research focuses on structural biology of mutant prokaryotic ribosomes, where I am interested in characterizing the function and dynamics of these mutants, with an eye toward answering questions in structure and dynamics of ribosomes which are resistant to some of today's commonly-used antibiotics. My current research efforts also include methods development for time-resolved ambient-temperature X-ray crystallography of large and challenging biomacromolecules at 4th-generation light sources like the Linac Coherent Light Source at SLAC.