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Chien-Hung Yu graduated from the Department of Agricultural Chemistry, National Taiwan University in 2002 and he received his Master degree at the same Department in 2004. He joined Dr. Rene Olsthoorn's lab in 2007 to study the role of RNA structures in programmed ribosomal frameshifting. He earned a Ph.D. in Molecular Genetics from Leiden Institute of Chemistry, Leiden University, The Netherlands, 2011. After a year of postdoctoral training in Dr. Olsthoorn's lab, he moved to UT Southwestern Medical Center, Department of Physiology, to study the mechanism of codon bias in gene regulation in *Neurospora* model fungi mentored by Professor Yi Liu. In 2017, he joined the faculty of the Department of Biochemistry and Molecular Biology, College of Medicine, National Cheng Kung University. His laboratory is broadly interested in RNA-centered gene regulation control. The ongoing directions are to investigate the mechanisms of codon-mediated gene expression and co-translational protein folding in human cells. In addition, during the pandemic, his lab investigates the mechanisms of how SARS-CoV-2 Nsp1 selectively inhibits host mRNA translation, aiming to provide strategies to combat emerging pathogenic RNA viruses.