

Short Bio**Nikolaos (Nikos) Louros, Ph.D.**

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Dr. Nikolaos (Nikos) Louros is an Assistant Professor of Biophysics in the Center for Alzheimer's and Neurodegenerative Diseases and the Department of Biophysics at UT Southwestern Medical Center. He is also a member of the Peter O'Donnell Jr. Brain Institute, which focuses on solving the most challenging brain diseases. He leads a multidisciplinary research group investigating the structural and cellular mechanisms that govern amyloid assembly and its modulation in health and disease. His laboratory integrates computational biology, molecular biophysics, and cell-based approaches to dissect heterotypic amyloid interactions, map aggregation-prone regions, and engineer de novo modulators and inhibitors.

He has developed several widely used computational tools and databases for studying protein aggregation and amyloid formation, now licensed across academia and biotechs worldwide.

He completed his Ph.D. at the National and Kapodistrian University of Athens and trained at VIB-KU Leuven, where his work supported the establishment of two biotech startups and the first diagnostic center for amyloidosis diseases in the Benelux region. He has received several honors, including the International Society of Amyloidosis Presidential Award and election as a Thomas O. Hicks Scholar in Medical Research, a prestigious UTSW distinction in medical science.