Stanford



Stefania Demuro

Postdoctoral Scholar, Chemical and Systems Biology

Bio

BIO

Stefania received her master's degree in pharmaceutical chemistry from the University of Cagliari (Sardinia, Italy) and later moved to Philadelphia to conduct organic chemistry research at the University of Pennsylvania. Returning to Italy, she completed her Ph.D. in Medicinal Chemistry at the University of Bologna in collaboration with the Italian Institute of Technology, focusing on the development of first-in-class triple protein kinase inhibitors for the treatment of Alzheimer's disease and related tauopathies (Prof. Andrea Cavalli).
As part of her doctoral training, Stefania spent time at UC San Diego in Prof. Carlo Ballatore's group, where she developed novel microtubule stabilizers for the treatment of tauopathies.

Drawn to the interconnection between chemistry and biology, and after applying her medicinal chemistry expertise to research in diabetes and neuropathic pain at Stanford ChEM-H, she joined the Chen Lab to investigate the role of ALDH1B1 in tumorigenesis and HIPK4 as a target for male contraception.

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- James Chen, Postdoctoral Faculty Sponsor