

The definitive reference on protein modules covers all relevant modular domains mediating protein-protein interactions:

- SH2, SH3, WW domains
- EVH1 and GYF domains
- PTB and FHA domains
- Protein kinase domains
- SET, Bromo and Chromo domains
- PDZ and EH domains
- Ubiquitin- and actin-binding domains
- Phosphoinositide- and phosphoserine/threonine-binding domains

Structure, function and interaction partners of the domains are systematically treated, a general section covers methods to study protein-protein interactions on a proteome-wide scale.

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Mario Gimona is laboratory head at the Consorzio Mario-Negri Sud in Santa Maria Imbaro (Italy) and reader for molecular cell biology at the University of Salzburg (Austria). He was born in Salzburg where he also received his degrees in genetics and biochemistry, after completing his Ph.D. work in the lab of Vic Small at the Austrian Academy of Sciences. Following his post-doctoral time at the CSHL, New York (USA) with David Helfman he set up his own laboratory in Salzburg at the Austrian Academy of Sciences in 1996. His research interests revolve around the "linguistic variation" of functional protein modules and their role in the regulation of the actin cytoskeleton.

Marius Sudol has been an Associate Professor at the Mount Sinai School of Medicine in New York since 1995. He was instrumental in the delineation and characterization of one of the smallest protein modules, the WW domain. His work also implicated the WW domain in signaling pathways underlying several human diseases including Alzheimer's disease, hypertension and cancer. He earned a Ph.D. at The Rockefeller University in New York in 1983 and stayed at his Alma Mater as a postdoctoral fellow and faculty member until his move to Mount Sinai. Dr. Sudol has published 95 research articles and is credited as inventor on two biotechnology patents.

Michael B. Yaffe is Associate Professor of Biology at the Center for Cancer Research, Massachusetts Institute of Technology. He earned his MD and PhD degrees at Case Western Reserve University, and did residency training in general surgery, trauma and critical care medicine at Harvard Medical School. He was a post-doctoral fellow in Cell Biology at Harvard under Lewis C. Cantley, where he remained as junior faculty until moving to MIT in 2000. He is interested in signal transduction, protein phosphorylation, and phosphopeptide-binding domains, with a focus on cell cycle control, DNA damage responses, and inflammation.

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