

## About the Editors ...

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**Stuart L. Schreiber** is a Professor at Harvard University where he is a member of the Chemistry Department and an associate member of the Department of Cellular and Molecular Biology. His research integrates several disciplines, including synthetic organic chemistry, protein and structural biochemistry, and molecular and cellular biology. His lab has

been using chemical methods to understand and control signaling pathways. In one approach, immunophilin–natural product complexes led to the identification of calcineurin as a mediator of T-cell receptor signaling and of a distinct protein as a mediator of mitogenic signaling, whereas in a second approach, the structure determination of SH3 domains complexed to ligands derived from synthetic, combinatorial libraries provided insights into SH3 structure and function.



**K. C. Nicolaou** is the Darlene Shipley Professor of Chemistry and Chairman of the Department of Chemistry at the Scripps Research Institute and Professor of Chemistry at the University of California at San Diego. He studied chemistry at the University of London with Professors F. Sondheimer and P. J. Garratt and did his post-doctoral studies

at Columbia University with Professor T. J. Katz and at Harvard University with Professor E. J. Corey. He then joined the faculty at the University of Pennsylvania, becoming the Rhodes-Thompson Professor of Chemistry, before moving to California in 1989. Dr. Nicolaou's research interests focus on chemical synthesis, molecular design and molecular recognition, and the biological actions of molecules. His research group recently accomplished the total synthesis of the anti-cancer drug taxol.

## ... and the Associate Editors

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**Patrick Baeuerle** is

a Professor at the Institute for Biochemistry, University of Freiburg. He studied biology and biochemistry at the Universities of Konstanz and Munich and did his Ph.D. work at the Max-Planck-Institute for Psychiatry, Martinsreid, and the EMBL, Heidelberg. He spent two years at the Whitehead Institute/M.I.T. with David Baltimore, where he discovered the mechanism of activation of the transcription factor NF- $\kappa$ B and its subunits. His research focuses on cellular responses to reactive oxygen intermediates, the role of proteases in gene regulation, the mechanism of signal transduction in response to chemical stimuli and the development of anti-inflammatory drugs.



**Gerald F. Joyce** is an

Associate Professor in the Departments of Chemistry and Molecular Biology at The Scripps Research Institute. Dr. Joyce received his Ph.D. in the area of nucleic acid chemistry with Leslie Orgel and conducted post-doctoral research in ribozyme biochemistry with Tan Inoue, both at The Salk Institute for Biological Studies. He also received an M.D. from the University of California at San Diego. His current research involves RNA biochemistry and the construction of *in vitro* evolution systems for the development of novel RNA enzymes. He also has a longstanding interest in molecular evolution and the origins of life.



**Gregory L. Verdine** is

Thomas D. Cabot Associate Professor at Harvard University. He received his B.S. degree in 1982 from St. Joseph's University in Philadelphia and his Ph.D. in 1986 from Columbia University, working under Koji Nakanishi. He then did postdoctoral studies with Chris Walsh at the Massachusetts Institute of Technology and Harvard Medical School. Dr. Verdine's research focuses on the investigation of protein–DNA interactions. In particular, his group aims to understand how proteins recognize specific sequences or structural features in DNA, and how some proteins catalyze DNA-modification reactions such as methyl transfer or glycosidic bond hydrolysis.