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Preface

Therapeutic intervention targeting protein–protein interactions

There has been an explosion of biological information on the complex, cellular signaling pathways that are mediated by protein–protein interactions (see for instance: Science's Signal Transduction Knowledge Environment—STKE - website). Likewise there has been an outpouring of structural information that has defined the molecular contacts involved in protein interfaces. These data have provided a wealth of new therapeutic targets, but the chemistry of designing agents that inhibit protein–protein interactions is still in its infancy. The articles in this Symposium-in-Print highlight recent accomplishments to remedy this deficiency using diverse strategies for a range of biological targets implicated in apoptosis, autoimmune disease, AIDS, cancer, fertility and stroke.

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