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Biomolecular Spectroscopy: Advances from Integrating Experiments and Theory

Edited by
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Biomolecular spectroscopy provide versatile insight into biomolecular structure, functions and mechanisms at multiple levels such as electronic structure and chemical bonding atomistic insights, revealing the mechanisms, understanding the dynamics, binding, hydrogen bonding. In this thematic volume the applications of most advanced spectroscopic methods and their synergy with computational methods for revealing biomolecular structure functions relationships are presented.

Cover image: A schematic energy diagram of a solute molecule in solution and its time-resolved fluorescence spectrum, this image is prepared by Hiroshi Murakami, see chapter 6.

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