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Structure, Interaction, Reaction, and Function of Biomolecules in Multimolecular Crowding Biosystems

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Deadline for manuscript submissions: **closed (31 January 2020)**

Message from the Guest Editors

Dear Colleagues,

The inside of living cells are surprisingly enriched with a great variety of biomolecules, from small ions, metabolites, and osmolytes, to macromolecular proteins, nucleic acids, and polysaccharides. Therefore, it is obvious that multimolecular crowding is critical, not only in order to unveil the property of biomolecules inside cells, but also to develop a functional molecule that maintains activity, even inside of the cells.

The aim of this Special Issue is to collect research papers, reviews, and communications concerning the physical, chemical, biological, and computational characterization of biomolecules; the detection and imaging of a target molecule; the modification and regulation of biomolecules; and the development of a functional molecule and a device, under molecular crowding, multimolecular crowding, and cellular environments. Moreover, studies on biological roles of multimolecular crowding and on the utilization of multimolecular crowding for applications are invited.

Dr. Daisuke Miyoshi Dr. Akio Ojida Dr. Kazuhito Tabata Guest Editors













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Message from the Editor-in-Chief

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