

Special Issue

Single Molecules

Message from the Guest Editors

With increasing sensitivity of optical detection systems single molecule measurements have gained considerable importance. Single molecules and ultra-weak fluorescence signals are now measured reliably in liquids, solids and biological systems upon selective excitation of thin layers by confocal, optical near field or evanescent wave excitation. Ultra-sensitive video detection, photon counting or correlation techniques are used to measure stationary or dynamic molecular events, whereas Förster resonance energy transfer (FRET) is used to probe intermolecular interactions. Contributions to this special issue may be dedicated to these or related techniques, including applications to fluorescent dyes, nano-beads, fluorescent proteins or further biomolecules with a diagnostic or analytical potential.

Herbert Schneckenburger

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Deadline for manuscript submissions

closed (30 November 2009)



International Journal of Molecular Sciences

an Open Access Journal
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Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/257

*International Journal of
Molecular Sciences*
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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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