Biophysical *Journal*
Call for Papers

Special Issue:
Phase Separation in Nucleic Acid
Biochemistry and Signal Transduction

Editors: Jason Kahn, University of Maryland, College Park
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Edward Lemke, Johannes Gutenberg University
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In the last five years there has been an explosion of interest in phase separation as an organizing principle in signal transduction, nuclear organization, and chromatin structure. Phase separation and generalizations thereof are governed by multivalence of interaction motifs and / or domains within protein and nucleic acids, especially RNA molecules. This topic is central to the Biophysical Journal's traditional emphases on advanced experimental methods, quantitative models for physical and biological phenomena, connections between physics and materials science and biology, and thorough, rigorous evaluation of new ideas.

We are inviting contributions that treat any aspect of the relevance of phase separation to biology. These could include new experimental results, critical reviews of the state of the field, guides to the design and interpretation of experiments, explorations of the basic principles underlying phase separation, qualitative and quantitative explorations of the consequences of phase separation for biology, or historical perspectives on the development of current models.

Deadline for submission extended to November 1, 2020

If you are interested in contributing or have questions about the special issue, please contact Jason Kahn at jdkahn@umd.edu; Rohit Pappu at pappu@wustl.edu; or Edward Lemke at edlemke@uni-mainz.de

- Instructions for authors can be found at: https://www.cell.com/pb-assets/journals/society/biophysj/PDFs/author-guidelines.pdf

- All accepted articles will be reviewed upon receipt and will appear online as soon as accepted, even if submitted early

- Normal publishing charges will apply.

- General questions can be directed to the BJ Editorial Office at BJ@biophysics.org or (240) 290-5545.

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