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A Theme Issue in Honor of Dr. Richard Horobin—Cell or Organelle Selective Fluorescent Probes: Their Design, Mechanism, Modeling and Application

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Message from the Guest Editors

This special issue is dedicated to celebrating the career of Dr. Richard Horobin in honour of his contribution in the field of cell staining dyes. It will cover recent research on subjects of cell selective and organelle selective dyes in their design, mechanism, modelling and application.

Cell and organelle selective probes, especially for live cells, provide the window to look at the inside of body in real time. The probes are playing the critical roles to monitor the biological system and also provide the clues to understand and elucidate new mechanism of biological process. This special issue aims to provide an overview and current development in the field of cell and organelle probes. Potential topics include, but are not limited to:

- Reviews on selective probes for organelle visualization or cell distinction
- Innovations of new sensor and probe development for biological study
- New design of optical sensor and bioprobes
- QSAR prediction model for organelle or cell selectivity
- Application of sensor and probes in biological study

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