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## Trends in Fluorescent and Bioluminescent Biosensors

Guest Editors:

### Dr. Huiwang Ai

Molecular Physiology &  
Biophysics, Chemistry, and  
Biomedical Engineering,  
University of Virginia,  
Charlottesville, VA, USA

### Dr. Mingxu You

Department of Chemistry,  
University of Massachusetts  
Amherst, Amherst, MA 01003, USA

Deadline for manuscript  
submissions:

**closed (15 January 2024)**

### Message from the Guest Editors

Dear Colleagues,

Fluorescent and bioluminescent biosensors have become important tools and made an enormous impact. These biosensors can be engineered based on a variety of design principles for target recognition, signal transduction, and the generation of optical output. For example, different proteins, nucleic acids, and small molecules have been used as building blocks for the synthesis and conjugation of functional fluorescent as well as bioluminescent sensors. In addition to their broad applications for in vitro diagnostics and drug screening, many of these biosensors have now been delivered and/or genetically encoded to improve our understanding of mysterious biological processes in real living systems. We expect the Special Issue mainly cover the following topics: biosensor development, the integration of biosensors with new instrumentation and protocols, and the applications of biosensors. Other related topics around this central concept of fluorescent and bioluminescent biosensors are also welcome.

Dr. Huiwang Ai

Dr. Mingxu You

*Guest Editors*



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# Special Issue



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### **Prof. Dr. Giovanna Marrazza**

Department of Chemistry “Ugo Schiff”, University of Florence, Via della Lastruccia 3, 50019 Sesto Fiorentino, Italy

## Message from the Editor-in-Chief

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*Biosensors* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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