



## Förster Resonance Energy Transfer (FRET) 2015

Guest Editor:

**Prof. Dr. Herbert  
Schneckenburger**

Institute of Applied Research,  
Aalen University, Beethovenstr. 1,  
73430 Aalen, Germany

Deadline for manuscript  
submissions:

**closed (30 April 2015)**

### Message from the Guest Editor

Dear Colleagues,

Förster resonance energy transfer (FRET) describes a non-radiative transfer of excitation energy from a donor to an acceptor molecule in the nanometre range. Although biological systems, e.g. photosynthetic organisms, have been using this mechanism for millions of years, it lasted until 1946, when Th. Förster described it theoretically. With the wide-spread use of fluorescent proteins in cell biology since the 1990's, FRET experiments gained considerable importance for measurements of molecular conformations or interactions, even down to the single molecule level. This special volume is dedicated to the principles and applications of FRET ranging from model systems to living organisms.

Prof. Dr. Herbert Schneckenburger  
*Guest Editor*





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Maurizio Battino

Department of  
Odontostomatologic and  
Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of  
Medicine, Università Politecnica  
delle Marche, Via Ranieri 65,  
60100 Ancona, Italy

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

## Contact Us

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI