



Bioactive Nucleosides and Nucleotides

Guest Editor:

Prof. Dr. Christian Ducho

Department of Pharmacy,
Pharmaceutical and Medicinal
Chemistry, Saarland University,
Campus C2 3, 66 123
Saarbrücken, Germany

Deadline for manuscript
submissions:

closed (31 December 2018)

Message from the Guest Editor

Dear Colleagues,

Analogues of nucleosides and nucleotides have had a tremendous impact, not only as (bio)chemical tools, but particularly also as drugs for human therapy. Nucleoside and nucleotide derivatives are currently widely used to treat cancer and viral infections, with the introduction of the highly potent anti-HCV drug Sofosbuvir (a nucleotide prodrug) representing the most recent milestone. However, nucleosides also find increasing interest as antibacterial drug candidates, which are urgently needed in the context of emerging resistances against established antibiotics.

For this Special Issue, we welcome contributions from all fields of nucleoside and nucleotide chemistry, may they be related to fundamental science or potential pharmaceutical applications. This also includes work that is mainly or even exclusively focused on organic synthesis. The synthetic preparation of nucleoside and nucleotide analogues is not trivial, and I strongly feel that there is an unfortunate tendency to overlook this highly important part of our daily work as chemists.

Prof. Dr. Christian Ducho
Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical
Biology and Phytochemistry,
University of Münster,
Corrensstrasse 48, D-48149
Münster, Germany

Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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](#), [MEDLINE](#), [PMC](#), [Reaxys](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q2 (Chemistry, Multidisciplinary) / CiteScore - Q1 (Chemistry (miscellaneous))

Contact Us

Molecules Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/molecules
molecules@mdpi.com
[X@Molecules_MDPI](#)