

Special Issue

Small Molecules and Peptides in Drug Discovery

Message from the Guest Editors

For small molecules that act in the nervous system, brain bioavailability is an important challenge. Most drugs reach the brain predominantly through a non-saturable mechanism of transcellular diffusion that increases the interest in their development as therapeutics tools. On the other hand, some neuroprotective drugs show limited therapeutic efficacy due to ineffective transport across the blood–brain barrier. Peptide-based therapeutics have a relevant role in the treatment of neurodegenerative diseases and cancer, especially when the main challenge is represented by the modulation of large and relatively flexible surface areas.

In this Special Issue entitled “Small Molecules and Peptides in Drug Discovery”, we wish to focus on the design, synthesis, and application of synthetic as well as natural-based small molecules and peptides for successful therapies against neurodegenerative diseases and cancer, particularly those involving protein–protein interactions and membrane passage issues.

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2022)



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We hope to handle your contribution to *Pharmaceuticals* soon.

Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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