

## Special Issue

# Vascular Endothelial Growth Factor (VEGF) and VEGF Receptor Inhibitors in Health and Disease

### Message from the Guest Editor

Vascular endothelial growth factors (VEGF-A/B/C/D and placental growth factor (PlGF)) and their receptors (VEGFRs) and co-receptor neuropilins (NRP) are the main pro-angiogenic and lymphangiogenic factors in mammals. Pharmaceuticals targeting the VEGF/VEGFR axis have been successfully used to treat several cancers and ocular diseases but have shown some limitations, in particular regarding their long-term efficiency and their route of administration. Interestingly, recent research has expanded to smaller molecular entities with designed properties. Moreover, new formulations and composition of matters are now developed to improve the delivery of inhibitors. The conjugation of VEGF/VEGFR inhibitors with other molecular entities for specific targeting and for combination therapy is also a promising new strategy. In this Special Issue, we aim to present significant research results in the field of VEGF/VEGFR inhibition that highlight the most recent strategies and promising therapeutic molecules. These studies will help to anticipate and shape the future therapeutic opportunities provided by an efficient modulation of this key axis in angiogenesis.

### Guest Editor

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### Deadline for manuscript submissions

closed (23 December 2023)



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