

Special Issue

The Role of Gonadotropin-Releasing Hormone Receptor in Human Diseases

Message from the Guest Editor

GnRH and its derivatives have influence on many other hormones through the hypothalamus–pituitary–gonadal axis that can be used to cure different hormone dependent cancers, benign prostatic hyperplasia, and uterine fibroids, as well as they be applied in in vitro fertilization. Furthermore, overexpression of GnRH receptors on many tumor types was identified, and thus the direct antitumor effect of GnRH derivatives was detected. In addition, GnRH derivatives as homing devices are in the focus of research related to targeted tumor therapy. In spite of the gathered results, GnRH-related research is still a hot topic in endocrinology and cancer therapy. This Special Issue “The Role of Gonadotropin-Releasing Hormone Receptor in Human Diseases” aims to provide novel insights into potential therapeutic applications of GnRH derivatives and their drug conjugates, including receptor recognition, signal pathways and mechanism, functional comparison of agonists and antagonists, and the development of new derivatives with improved bioactivity. Authors are invited to submit original research and review articles related to these subjects.

Guest Editor

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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.

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