

## Special Issue

# Mechanisms of Chemotherapy-Induced Peripheral Neuropathy

### Message from the Guest Editor

Chemotherapy is one of the important treatments for cancer, but the appearance of its side effects not only lowers the quality of life of patients but also changes or discontinues cancer treatment. Therefore, side effects of chemotherapy are a major clinical problem. In particular, anticancer drugs such as the taxane-based anticancer drug paclitaxel and the platinum-based anticancer drug oxaliplatin are very liable to develop peripheral neuropathy, but the mechanisms of peripheral neuropathy caused by these anticancer drugs have not been fully elucidated. Therefore, effective prevention and treatment are not well established. The Special Issue presented here is aimed at gathering the latest knowledge on the mechanisms of chemotherapy-induced peripheral neuropathy and their utility of prevention and treatment based on them. We welcome submissions for studies on key molecules and updates on treatments to avoid or reduce chemotherapy-induced peripheral neuropathy.

- anticancer drugs
- chemotherapy-induced peripheral neuropathy
- mechanism
- neurodegeneration
- neuroprotection
- neurotoxicity
- oxidative stress
- pain
- prevention
- treatment

### Guest Editor

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### Deadline for manuscript submissions

closed (30 June 2021)



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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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