

IUBMB Life Special issue – Call for Papers

Special issue Title: Cancer drug resistance: molecular mechanisms, and therapeutic implications

Objective of the issue

A large number of cancer patients succumb to the disease due to *de novo* or acquired drug resistance to currently available treatments. The classical mechanisms involved have been alluded to DNA damage repair, drug efflux, epithelial-mesenchymal transition, and signalling pathways, whereas new research has linked intracellular cholesterol accumulation and biosynthesis, and non-coding RNAs with cancer drug resistance. Therefore, more research is required to understand the complexities of the biological mechanisms underlying cancer drug resistance, which can pave the way for developing new therapeutic strategies.

The proposed special topic will be dedicated to compiling a collection of articles focusing on exploring different aspects of cancer drug resistance in *in vitro*, *in vivo*, cancer stem cells and 3D cultures models. The topic would also solicit submissions on latest therapeutic developments in this area of research and ways to reverse drug resistance in cancer cells. The types of articles can be review articles, original research (basic research or translational studies), and clinically relevant biomarkers for monitoring the therapeutic response of patients to drugs etc.

We invite investigators to submit Reviews and Research Communications for consideration in this special issue.

Guide for Authors link:

<https://iubmb.onlinelibrary.wiley.com/hub/journal/15216551/author-guidelines.html>

Timelines:

Submission deadline: 28 February 2022

Publication expected: May 2022

We invite Reviews and Research Communications for this Special Issue until 28 February 2022. For any queries, please contact our Guest Editors below:

Guest Editors

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List of Authors / Topics already recruited

Additional Reviews and Research Communications will be considered for this Special Issue until May 2022.

Submit your manuscript through the IUBMB Life ScholarOne site at

<https://mc.manuscriptcentral.com/tbmb> During the submission process you will be asked if your manuscript is for a special issue. From the dropdown menu, please select “Cancer drug resistance: molecular mechanisms, and therapeutic implications”.