

## Special Issue

# Patient-Derived Orthotopic Xenograft (PDOX) Mouse Models of Cancer

### Message from the Guest Editor

Patient-derived mouse models of cancer have revolutionized cancer research over the past 50 years. Thirty years ago, we developed the patient-derived orthotopic xenograft (PDOX) model which, for the first time, enabled the tumor to behave in the mouse as it did in the patient—in particular, with regard to metastasis. The PDOX model, which has been established for all major tumor types, is now being used for drug discovery as well as individualized patient therapy. The model is particularly significant because the tumor is growing within its natural tumor microenvironment, rather than subcutaneously. Therefore, we are arranging a Special Issue of *Cells* which will feature the PDOX model. We welcome submissions regarding any type of PDOX model and its use in drug discovery, individualized patient therapy, molecular biology studies of tumor growth, studies on the interaction between cancer cells and stromal cells within the tumor, as well as on new imaging techniques and other emerging techniques that can help us to better understand tumor growth and how to inhibit or eradicate tumors. Keywords

- PDOX
- mouse models
- individualized therapy
- cancer

### Guest Editor

Dr. Robert M. Hoffman

1. Department of Surgery, University of California, San Diego, CA, USA
2. AntiCancer Inc., San Diego, CA, USA

### Deadline for manuscript submissions

closed (15 March 2023)



## Cells

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*Cells*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[cells@mdpi.com](mailto:cells@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

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### Message from the Editorial Board

*Cells* has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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Dental Basic Sciences, University of Minnesota, 308 Harvard St. SE,  
Minneapolis, MN 55455, USA

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