Call for Papers: Applied In Vitro Toxicology

Editor-in-Chief: **Andrew Gow**, PhD; *Rutgers University*

Dear Authors,

I would like to introduce myself as the new Editor-in-Chief of **Applied In Vitro Toxicology**. I am a Professor at the Ernesto Mario School of Pharmacy and the Environmental and Occupational Health Institute (EOHSI) at Rutgers University, Piscataway, NJ. I am honored to take up this position and am looking forward to working with both the editorial board and the scientific community to make this journal the best that it can be.

I would like to congratulate Dr. Jim McKim for his outstanding contribution to **Applied In Vitro Toxicology**, as the founding Editor-in-Chief. Under his leadership, the journal has made a significant impact in the field of *in vitro* toxicology. I would also like to thank all the Associate Editors and the entire Editorial Board for their significant contribution to the journal.

Applied In Vitro Toxicology endeavors to serve as the foremost journal for researchers focusing on the development and use of *in vitro* methods to understand the effects of test agents on biological systems. As technology has progressed there has been an expansion in the techniques available to support accurate *in vitro* assessments. These have ranged from engineering solutions, such as organ-on-a-chip, to computational approaches, to advanced uses of human tissues. The goal of the journal will be to provide articles that address the latest science both in terms of methodologies but also in discovery.

Organizations involved with hazard identification and risk assessment will want to read **AIVT** in order to understand how new and existing *in vitro* methods are applied, and the questions for which these models provide answers. Meanwhile investigators interested in using the latest *in vitro* technologies to improve their science both in terms of the 3Rs and in translation to human systems will also be served.

Applied In Vitro Toxicology coverage includes:

- Applied *in vitro* toxicology industry standards
- New technologies developed for applied *in vitro* toxicology
- Data acquisition, cleaning, distribution, and best practices
- Business interests from research to product
- The changing role of *in vitro* toxicology
- Co-culture, 3D culture techniques, organ-on-a-chip
- Drug and xenobiotic metabolism
- The role of oxidative stress in cellular toxicities and phenotype control
- Physical interfaces and robotics
- Computational modeling of toxicological exposure
- Bioinformatic modeling
- Tissue slices as model systems
- Translation of toxicological data to the human condition

On this note I hope that you will accept our invitation to submit your research to ***Applied In Vitro Toxicology*** to be considered for publication. I would also appreciate it if you could suggest other researchers who can contribute their articles to this journal. Please let us know of your intent or of ideas that you may have for the journal. I look forward to reading your manuscript.

Kind regards and thank you for your consideration,

Andrew Gow

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