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EDITORIAL

Good news: the Journal of Theoretical and Experimental Pharmacology was born

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The story on how this journal was planned is full of anecdotes, friendship, and passion for work. However, I am sure that none of members of the small group of colleagues who conceived the original idea of the journal realized all the difficulties that would need to be sorted out to see the first issue of the journal published.

The Journal of Theoretical and Experimental Pharmacology welcomes any pharmacological research performed in silico, in vitro, and in experimental animal models including computer simulations with potential pharmacological interest; SAR and QSAR analyses; dose-response evaluations; drug-drug interactions; drug effects at cellular and sub-cellular levels; in vitro and in vivo metabolic studies; and pharmacokinetic, pharmacodynamic, and teratogenic studies. The journal is also accepting for consideration for publication studies in the field of pharmacogenetics, pharmacogenomics, and preclinical toxicology.

Studies evaluating the effects of vitamins, hormones, immunological mediators, or chemicals are also welcomed if any of the topics mentioned above are the focus of the study. At this time, only invited review articles are being accepted. However, systematic reviews and meta-analysis of preclinical pharmacological studies are also welcomed through the standard submission process.

The journal will also consider for publication manuscripts devoted to the analysis of philosophical and ethical aspects of biomedical sciences. These latter topics are intended to enrich the content of the journal and to make it an open space where ethical and philosophical dilemmas can be analyzed and debated.

I am excited by the response of colleagues from around the world to my invitation to join us in this adventure. Currently, 24 scientists from 13 different countries around the world are members of the Editorial Board. In this very first issue the journal publishes two review papers and two original studies. All of them are of such a high quality that I should thank the authors, including my Mexican colleagues, for considering this journal as their option for publishing these papers instead of preferring well-established journals.

SERAFIM et al. [1] reviewed the potential role of several phenolic acids and derivatives as anti-cancer agents, highlighting the role of mitochondria as a primary subcellular target for this class of compounds. Plant-derived phenolic compounds are widely consumed in a normal diet, especially in fruits and vegetables. Interestingly, phenolic acids have been reported to display antiproliferative activity by promoting selective induction of tumor cell apoptosis and by triggering the mitochondrial pathway for

apoptosis. CANAPARO & SERPE [2] reviewed single nucleotide polymorphisms as a source of human genetic and phenotypic variation and their contribution to the variability of drug action. However, as the authors duly noted, any time genetics plays a role modifying drug effects, there likely is a complex interplay of several genes rather than the action of a single one.

GONZÁLEZ-LOZANO et al. [3] evaluated the obstetric and fetal outcomes in dystocic sows receiving udder massage stimulation alone or in combination with oxytocin. The authors observed that dystocic sows receiving udder massage had better obstetric and fetal outcomes than control sows. However, co-administration of oxytocin might reverse the advantages of udder massage. Finally, KIM et al. [4] examined the molecular mechanism of how Histone deacetylase (HDAC) inhibitors modulate the cell cycle regulators and tumor suppressor genes in prostate cancer cells. The study found that HDAC inhibitors may prevent the proliferation of prostate cancer cells by altering the expression of the cell cycle regulators and tumor suppressor genes, which might be associated with epigenetic regulation.

The journal is published electronically in the English language only. However, the abstracts are available in three different languages. Translation of the abstracts to French and Spanish was made possible by colleagues who volunteered for this task.

This issue was supported by submission fees for original papers as well as by generous support from PharmaReasons, Toronto, Canada. However, the final acceptance of the manuscripts was independent of the journal's supporter. All the manuscripts can be downloaded at no cost.

As Editor, I express gratitude to my friends and colleagues who have worked alongside me since the beginning of this project. The authors and the readers of this journal deserve a special note of gratitude for trusting us.

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