

Special Issue on **Chemical Toxicity, Inflammation, and Cancer Development**

CALL FOR PAPERS

Cancer development results in a complex interaction between genes and microenvironmental factors that promote genomic instability, continuous proliferation, resistance to apoptosis, angiogenesis, and, many times, the recruitment of infiltrating cells to the site where cells are in a process of transformation. Inflammatory cells are considered as a factor that favors carcinogenesis and sometimes even favoring metastasis. Also, many toxic compounds are able to participate in fueling such mechanisms associated with cancer development or carcinogenesis, including oil-derived compounds, food additives, pesticides, and micro- and nanoparticles which as well can favor inflammatory processes. Thus, these interactions among genes, toxic compounds, and acute or chronic inflammation are a very important issue of interest for many areas of the biomedical sciences.

In this special issue, we seek research that advances mechanistic understanding on how inflammatory response favored by pathogens or toxic compounds has an influence over cancer development. Research should explore interactions between inflammation and cancer that occur naturally or influenced by environment; original research and review papers are welcome.

Potential topics include but are not limited to the following:

- ▶ Toxins and inflammatory immune response to favor cancer
- ▶ Interactions between inflammatory immune response and cancer development
- ▶ Regulation of inflammatory immune response by pathogens or microbes that influence cancer development
- ▶ Inflammation and cancer
- ▶ Genes associated with inflammation that impact cancer development
- ▶ Toxic compounds (toxic heavy metals, arsenic, mercury, titanium, etc.) and cancer development or metastasis
- ▶ Compounds avoiding carcinogenesis

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/mi/ticd/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

Lead Guest Editor

Miriam Rodriguez-Sosa, Universidad Nacional Autónoma de México, Mexico City, Mexico
rodriguezsm@unam.mx

Guest Editors

Santiago Partida-Sanchez, Ohio State University, Columbus, USA
santiago.partida-sanchez@nationwidechildrens.org

Libia Vega, Centre for Research and Advanced Studies of the National Polytechnic Institute, México City, Mexico
lvega@cinvestav.mx

Abhay Satoskar, Ohio State University, Columbus, USA
abhay.satoskar@osumc.edu

Luis I. Terrazas, Universidad Nacional Autónoma de México, Mexico City, Mexico
literrazas@unam.mx

Submission Deadline

Friday, 8 September 2017

Publication Date

January 2018