Molecular and Cellular Mechanisms of Cancers: Ovarian Cancer

Message from the Guest Editors

Epithelial ovarian cancer (OC) is the leading cause of death among gynecological cancers. No effective screening strategies for early detection are available and the majority of patients are diagnosed with advanced stage disease. Front-line debulking surgery and platinum-based chemotherapeutic regimens have been the standard of care for almost 40 years worldwide.

The main focus of this Special Issue will be to provide a platform for clinicians and translational researchers for the most recent breakthroughs in the definition of the molecular pathways/mechanisms related to the natural history of this life-threatening disease.

Potential topics may include:

1. Molecular characterizations associated with ovarian cancer onset, progression, dissemination into the peritoneal cavity, and the development of chemoresistance.
2. Models of development and growth
3. New molecular-based therapeutic strategies
4. Identification of prognostic/predictive biomarkers
5. Characterization of metabolic alterations
6. Immunotherapy