

# Ovarian Cancer in an Era of Precision Medicine

From Mechanisms to New Insights in Early Diagnosis and Therapeutic Strategy



講師 : Benjamin K. Tsang, Ph.D.

オタワ大学 産婦人科

Director, Reproductive Biology Unit  
Professor of Obstetrics & Gynecology, Cellular & Molecular Medicine & Interdisciplinary School of Health Sciences, University of Ottawa

Senior Scientist, Chronic Disease Programme Ottawa Hospital Research Institute

## 群馬大学 産婦人科セミナー

Ovarian cancer (OVCA) is the most lethal gynecological cancer, due mainly to late diagnosis, recurrence and chemoresistance. Although combined cytoreductive surgery and chemotherapy is initially a successful treatment, chemoresistance remains a major hurdle for long term therapeutic success. OVCA is considered a cold tumor and has poor immune cell infiltration, rendering immunotherapy ineffective to date. In this lecture, Professor Ben Tsang will elaborate on the role of plasma gelsolin (pGSN), a calcium-dependent actin-binding protein, in the molecular and cellular basis of chemoresistance in OVCA. Specifically, pGSN secretion is involved in exosome-mediated signaling in the ovarian tumor microenvironment, resulting in subtype-specific T cell anergy, apoptosis and chemoresistance. The clinical significance of his studies is pGSN could serve as a new biomarker for diagnosis of stage 1 disease, in the prognostication in residual disease and a possible target for immunomodulation in chemoresistant OVCA patients.

日時 : 2019年9月26日 (木)

時間 : 17:00~18:30

会場 : 群馬大学ミレニアムホール  
(保健学科新棟2階)



お問い合わせ :

岩瀬 明

群馬大学大学院医学系研究科産科婦人科学講座

E-mail: [akiwase@gunma-u.ac.jp](mailto:akiwase@gunma-u.ac.jp)

Tel: 027-220-8420