

ONCOLOGY GRAND ROUNDS

Tuesday, January 15th, 2019

12:00 to 1:00 p.m. in Rooms A3-924A/B
London Regional Cancer Program

“ULK1 Regulation of Autophagy in High Grade Serous Ovarian Cancer Spheroids”

Bipradeb Singha, Postdoctoral Associate

Department of Anatomy and Cell Biology, Western University
Mary and John Knight Translational Ovarian Cancer Research Unit

- Objectives:
1. To explain autophagy and its significance in ovarian cancer
 2. To demonstrate a role for ULK1 kinase in autophagy regulation in spheroids
 3. To discuss the therapeutic potential of targeting ULK1 in metastatic ovarian cancer

“An Integrated Screening Approach to identify Therapeutic Targets to Treat Dormant Epithelial Ovarian Cancer”

Pirunthan Perampalam, PhD Candidate

Dr. Fred Dick Laboratory, Department of Biochemistry, Western University

- Objectives:
1. Dormant spheroid cells in ovarian cancer contributes to a treatment failure rate of up to 70%
 2. Genome-wide CRISPR screens and RNA sequencing can aid in identifying therapeutic targets
 3. Netrin-1 signaling pathway components are among genes implicated as being essential for spheroid cell survival.

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