京都大学
KYOTO UNIVERSITY

SEMINAR

July 7, 2021

12:00 – 13:00 @ a1S02 (C3 bldg.) and Zoom

Influence of Oxygen Level in the Tumorigenesis of Colorectal Cancer

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https://www.polyu.edu.hk/hti/en/

Zoom Access

https://kyoto-u-edu.zoom.us/j/84163617629?pwd=b2ZlZWRkT0M5REhmSG83UG1CYUJJdz09

Meeting ID: 841 6361 7629, Passcode: 357973

Abstract:
Colorectal cancer (CRC) is one of the commonest cancer types in the world. Although the current disease management of CRC by combined treatments of surgery, radiotherapy and chemotherapy could achieve good local control, 50% of CRC patients will eventually develop metastases and lead to high mortality. The varied oxygen level in heterogeneous tumor microenvironment has been suggested for influencing tumor development and treatment response. While most of the previous studies have demonstrated that hypoxia and Hypoxia-inducible factors (HIFs) have important roles in tumor progression, the influences of blood oxygen level and other signaling pathways have been rarely studied. In this seminar, Marco will share about his experience in investigating the influence of oxygen level in some tumorigenesis events in colorectal cancer.

Brief Biosketch:
Marco Tam is a Research Assistant Professor in Department of Health Technology and Informatics, Faculty of Health and Social Sciences, The Hong Kong Polytechnic University. He graduated from the same university with BSc (Hons) in Radiography (Radiotherapy Stream) in 2014 and Ph.D. in 2019. He is a registered radiation therapist in Hong Kong from 2014. He worked in Dr. Vincent Wu's group on radiation-induced treatment side effects in nasopharyngeal carcinoma radiotherapy patients and Dr. Helen Law's group on the influence of autophagy in cancer progression. His current research focuses on investigating different tumorigenesis events and treatment response in colorectal cancer.

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