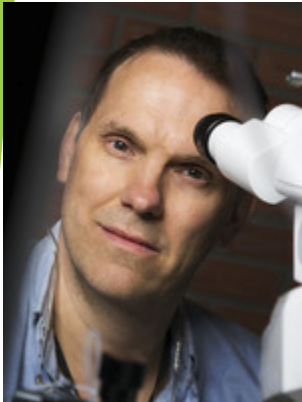


Volumetric imaging of whole-tumors reveals cancer malignancy



ウーレン・パー教授
(スウェーデン カロリンスカ研究所)

Professor Per Uhlén Ph.D.
(Karolinska Institute, Stockholm, Sweden)

日時： 11月14日(水) 15:00～16:00

場所： 総合医科学研究棟 1階ラウンジ

要旨：

Intratumoral heterogeneity is a critical factor when diagnosing and treating patients with cancer. Marked differences in the genetic and epigenetic backgrounds of cancer cells have been revealed by advances in genome sequencing, yet little is known about the phenotypic landscape of the intratumoral heterogeneity within solid tumors. Our research group has developed new volumetric imaging methods, using three-dimensional light-sheet microscopy and the clearing technique, to characterize structural abnormalities of solid tumors from patients with cancer. Our methods can determine tumor stage and stratify patient prognosis from clinical samples with higher accuracy than current diagnostic methods, which will improve the design of more effective cancer therapies, resulting in positive effects on society.

参加自由



KGRI

Keio University Global Research Institute

主催：薬理学教室

担当：安井正人

お問い合わせ：薬理学教室

(内線62625 keio_pharm@ml.keio.jp)