令和５年度　第 44 回　大学院セミナー

令和５年　９月　12 日

分　野　名 Area of Research (責任者名)(内線)	幹細胞生物学　分野 責任者名(　李　桃生)　　内線(　7099　)
演　　題 Title	第 180 回　原研研究集会
講　師　等 Presenter	川端　剛　先生、李　桃生　先生　（原研幹細胞）
概要 Abstract	１、慢性的な複製ストレスはミトコンドリアの機能異常を引き起こす (Chronic replication stress invokes mitochondria dysfunction) 川端　剛　（Kawabata Tsuyoshi） PARK2 encodes parkin, a major regulator of mitochondrial homeostasis. This gene is located on one of the common fragile sites that are prone to rearrangement by replication stress. In this study, we showed that chronic low-dose replication stress causes a fixed reduction in parkin expression, which is associated with mitochondrial dysfunction and can be rescued by ectopic expression of parkin. Our data support the therapeutic development of recovery of parkin expression for human healthcare. ２、イモリ組織細胞を用いる新たな研究展開 (Newt tissue cells for experimental study) 李　桃生　（Tao-Sheng Li） Newts (*pleurodeles waltl*), a salamander animal have been used for experimental studies, especially on regenerative medicine. We are able to grow enough good-quality cells from newt tissues (*Dev Growth Differ* 2023;65:255-265). Newt tissue cells almost unlimitedly proliferate and sensitively respond to various stresses/damages. Using newt tissue cells for study may help us to make a breakthrough in disease treatment.
開 催 日 時 Date and Time	令和５年９月 27 日(　水　) 17:30　～　18:30
開 催 方 法 Online/Face to face	Zoom
備　　考 Notes	受講を希望者は、ID・パスワードをお教えしますので、ご連絡ください。 （内線 7099 or Email: litaoshe@nagasaki-u.ac.jp） If you would like to participate in this seminar and need Zoom ID and Password, please contact: litaoshe@nagasaki-u.ac.jp.

☐先端医療科学特論（基礎編）　☐先端医療科学特論（臨床編）
☐先端新興感染症病態制御学特論　☑先端放射線医療科学特論
☐日本語（Japanese）　☑英語（English）
☐対面（Face to face）　☑オンライン(Online)