

令和 7 年度 第 73 回 大学院セミナー

2026 年 1 月 20 日

分野名 (責任者名)(内線)	医歯薬学総合研究科 先進予防医学共同専攻 腫瘍・診断病理学分野 (原研病理) 責任者名(中島正洋) 内線(7105)
演題	1) Altered expression of autophagy-related molecules and β -catenin in different subtypes of thyroid cancer: co-localization in intranuclear cytoplasmic inclusions 2) CD109-based SPI assay visualizing anaplastic transformation of papillary thyroid carcinoma by tumor microenvironment
講師等	1)Masahiro Nakashima (Professor) and 2)Tomoko Cohen (PhD student), Department of Tumor and Diagnostic Pathology, Nagasaki University Graduate School of Biomedical Sciences
概要	1) To clarify the expression levels of autophagy-related molecules, such as β -catenin, LC3B, and p62, in cases of thyroid carcinoma (TC) of different histological subtypes and clinicopathological characteristics, we carried out dual-color immunofluorescence analyses. Statistical analyses were used to determine the associations of autophagy-related molecules with <i>BRAF</i> ^{V600E} / <i>TERT</i> promoter mutations, Ki-67 labeling index, and clinicopathological characteristics. This study revealed differences in the expression patterns of LC3B, p62, and β -catenin among different TC subtypes. These autophagy-related molecules may be cooperatively associated with formation of INIs during papillary TC (PTC) carcinogenesis. 2) To elucidate the molecular process of anaplastic transformation of PTC, we clarified a variety of cell-cell adhesion, cellular polarity, and EMT-related molecules in FFPE tissues of anaplastic TC (ATC) containing PTC component by using CD109-based spatial immunofluorescence (SPI) assay. The ATC-PTC boundary showed gradual and reciprocal expression of CD109 and CK8/18, a PTC marker, along with E-cadherin, Vimentin, PCNA, α SMA, Iba-1, Collagen III/VI, TGF β 1-induced (TGFBI), active Yes-associated protein (YAP), Periostin and S100. Our findings suggest that ATC-specific tumor microenvironment, enriched in unique CAFs and macrophages, drives anaplastic transformation.
開催日時	2026 年 1 月 28 日 (水) 17:30~19:00
開催方法	ZOOM
備考	受講を希望する場合は、e-mail: moemoe@nagasaki-u.ac.jp までご連絡ください If you would like to participate in this seminar, please contact below. (e-mail: moemoe@nagasaki-u.ac.jp) ※講師 1 のセミナーのみが、今回の大学院セミナーの対象となります。 Only the 1st speaker's presentation is regarded as Special Lecture. So this seminar will be counted as 1/2 times as Special Lecture.

- ☐ 先端医療科学特論(基礎編)
- ☐ 先端新興感染症病態制御学特論
- ☐ 日本語
- ☐ 対面(Face to face)

- ☐ 先端医療科学特論(臨床編)
- ☒ 先端放射線医療科学特論
- ☒ 英語
- ☒ オンライン(Online)