

令和 8 年度 第 25 回 大学院セミナー

令和 8 年 9 月 3 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	From environmental risk to therapeutic strategy: The role of phthalate DEHP in breast cancer progression and non-apoptotic cell death in cancer therapeutics
講 師 等 Presenter	Charles Chien-Chih Chiu, Ph.D. Professor, Department of Biotechnology, Kaohsiung Medical University, Kaohsiung, Taiwan
概要 Abstract	Triple-negative breast cancer (TNBC) remains a clinical hurdle due to its high metastatic potential and chemoresistance. This talk will cover two aspects of cancer progression: how environmental factors drive malignancy, and how targeting non-apoptotic cell death can overcome therapeutic resistance. First, prolonged exposure to the environmental plasticizer DEHP enhances TNBC stemness, motility, and lung metastasis. DEHP suppresses miR-155-5p, upregulating the RNA-binding protein MSI2, which activates PI3K/Akt/NFκB signaling and regulates vimentin distribution, suggesting its potential as an environmental risk-driven biomarker. Second, given that classical apoptotic pathways are frequently disabled in chemoresistant cancers, modulating non-apoptotic cell death modalities, such as ferroptosis and pyroptosis, serving as a promising therapeutic strategy to sensitize cancer cells and halt metastasis.
開 催 日 時 Date and Time	令和 8 年 9 月 28 日(月) 17:00 ~ 18:00
開 催 方 法 Online/Face to face	対面 (原爆後障害医療研究所 4F 永井隆記念研修室・セミナー室)
備 考 Notes	

- ☐ 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(Japanese)
- ☒ 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(English)
- ☐ オンライン(Online)