

2024 年 6 月 28 日

28th June, 2024

大学院学生各位 To All Graduate Students

2024 年度 基盤医学特論 開講通知 Information on Special Lecture Tokuron & Tokupro AY2024
特徴あるプログラム CIBoG/AI-MAILs オミクス解析学プログラム
CIBoG/AI-MAILs Omics Analysis

題目：悪性リンパ腫診断のための説明可能な AI による病理画像解析

Title : Explainable AI-based pathology image analysis for malignant lymphoma diagnosis

講師：名古屋工業大学 教授

本谷 秀堅 先生

Teaching Staff : Prof. HONTANI Hidekata
(Nagoya Institute of Technology)



日時：2024 年 7 月 19 日（金）17 : 00～18 : 30（基礎研究棟 第 1 講義室）

Time and Date : 19rd July, 2024 17:00-18:30 (Lecture Room No.1, Basic Medical Research Building)

使用言語：日本語 Language : Japanese

概説 : Our research group proposes quantitative evaluation criteria using AI-based pathological microscope image analysis that matches intuitively graded follicular lymph nodes performed by experienced pathologists with high accuracy. This evaluation criterion is based on the recent advancements in digitalization of pathological images and the sophistication of AI technology. The current grading criteria for follicular lymphoma set by the WHO are defined by the number of centroblasts and centrocytes observed within the follicles in HE-stained microscope images. However, it is not practical for pathologists in clinical settings to count the number of centroblasts and centrocytes within the field of view while peering through a microscope. In this lecture, the method for construction of the AI that can identify the type of each cell in the follicles in a given microscopic image of HE-stained thin section.

関係講座：システム生物学, 分子腫瘍学

部門等の連絡担当者：分子腫瘍学 水野 ひと美（内線 5190）

Contact : Division of Molecular Oncology • Hitomi Mizuno (ext. 5190)

※講義室にて開催します。This lecture is held through Lecture Room.

※事前のお申し込みは不要です。 No Registration required.

※講義開始後の 30 分までにご入室下さい。 Please take a seat before 17:30.

※途中退室不可 Please stay until the end of the lecture.