

BDR SEMINAR (Kobe & online hybrid)

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Cancer Research UK Cambridge Institute (CRUK-CI),
University of Cambridge

Tuesday, June 11, 2024

11:00-12:00

1F Auditorium, DB Building C, Kobe / Broadcast online via Zoom

Zoom meeting URL will be announced on the event day by e-mail.

※Non-BDR members: Please register from the following link.

<https://krs2.riken.jp/m/bdrseminarregistration> (Registration deadline: June 7)

Cellular functionality and plasticity in the senescence spectrum

This seminar is a part of the BDR Stage Transition Project Seminar Series for 2024-2025.

Summary

Cellular senescence is induced by various stimuli, with characteristic morphological changes and sustained proliferative arrest. The accumulation of senescent cells contributes to individual ageing and age-related diseases such as cancer. The adverse effects of senescence are often attributed to cells losing their natural functions. However, the aspect of cells gaining new functions is also critical. Cellular function is largely defined by tissue-specific gene expression patterns, representing cellular diversity. This is closely associated with 3D epigenetic configuration. I will discuss senescence as a dynamic process of functional identity shift, introducing the concept of the senescence spectrum.

Host: Hironobu Fujiwara

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