

BDR SEMINAR (Kobe & online hybrid)

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Thursday, March 28, 2024

16:00-17:00

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://krs1.riken.jp/m/bdrseminarregistration> (Registration deadline: March 25)

Consider the Lung as a Sensory Organ: from Single Cell to Neural Circuits

Summary

Our lab studies fundamental mechanisms of tissue formation, maintenance, function/dysfunction, regeneration/degeneration. We delineate the robust programs that dictate normal biology, and uncover the imperfections that initiate pathogenesis. At the center of our investigation is the lung, an organ that is vital for survival at first breath. It is the setting for many fetal, pediatric, and adult diseases that have little explanation and no cure. We use disease modeling as a starting point to make basic science discoveries in developmental biology, stem cell biology, lung-immune-neural circuit interactions.

Xu et al., Dev Cell. 2022 04 11; 57(7):839-853.e6.

Sui et al., Science. 2018 06 08; 360(6393).

Branchfield et al., Science. 2016 Feb 12; 351(6274):707-10.



RIKEN Center for Biosystems Dynamics Research (BDR)

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