BDR SEMINAR (Kobe & online hybrid)

Matthew Hartley

EMBL-EBI, Wellcome Genome Campus, Hinxton, UK

Monday, July 10, 2023

15:00-16:00

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 July 7)

The BioImage Archive: Accelerating AI for bioimaging

Summary

Technology development is rapidly increasing the volume and richness of biological images by which we better understand the living world. However, this growth in size and complexity of data requires a consequent growth in our capacity to analyse and understand these data. AI approaches are radically changing the way in which we perform analyses of biological images. These approaches present substantial opportunities, but also challenges in ensuring that scientific results that derive from AI-enabled tools are reproducible. In this talk, I will describe how EMBL-EBI's BioImage Archive enables reproducibility and supports reuse of model and algorithm training inputs, as well as how new community developed standards for describing image annotations will enable faster model development by allowing easier creation of validation and benchmarking datasets.

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