Elettra 2.0: New Structural Biology Opportunities

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Machine Learning in Structural Biology

Monday, July 3, 2023 3:40 PM (20 minutes)

We review the current progress and challenges in the field of Machine Learning for Structural Biology. We will discuss existing machine learning algorithms such as AlphaFold for structural prediction, the use of large language models for protein design, and generative models applied to protein-protein docking. The aim of the seminar will be to encourage experts from relevant communities to imagine new applications and explore potential future collaborations in the field.

Presenter: ANSUINI, Alessio (AREA Science Park)

Session Classification: Session 2 Cryo-Electron Microscopy Chair: Rita De Zorzi (Università degli Studi di Trieste)