REFLEXIONS UPGRADE TABLES RONDES

Radiation Damage

SEMINAIRE

Radiation Damage in Macromolecular Crystallography: what metrics are useful ?

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Vendredi 24 janvier 2020 – 10h00
Amphithéâtre SOLEIL

Over twenty years of research into the effects of radiation damage on protein structures both at room temperature and when held at cryo-temperatures has resulted in many interesting and useful observations [reviewed in 1-3] but has still not provided a full understanding of the reported phenomena.
In this talk I will attempt to summarise the current state of knowledge and highlight the challenges in developing robust metrics for characterising the rates of global and specific damage.

References
[1] - J.M. Holton, J. Synchrotron Radiation **16**, 133–142 (2009)
[2] - E.F. Garman, Acta Cryst D66, 339-351 (2010)
[3] – E.F. Garman and M. Weik, Chapter 4 in 'Protein Crystallography: Challenges and Practical Solutions' Eds: Konstantinos Beis and Gwyndaf Evans, Published Royal Society of Chemistry. Pp 88-116 (2018)

Ce séminaire sera suivi d'une pause café

Formalités d'entrée : accès libre dans l'amphi du pavillon d'Accueil.
Si la manifestation a lieu dans le Grand Amphi SOLEIL du Bâtiment Central merci de vous munir d'une piece d'identité (à échanger à l'accueil contre un badge d'accès)

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