

Séminaire



CONFÉRENCIER INVITÉ

Vendredi 15 juin 2018 à 11h

Salle des séminaires

Institut de biologie structurale - 71 avenue des Martyrs CS 10090 38044 Grenoble Cedex 9 - T.+33 (0)4 57 42 85 00

www.ibs.fr

par **Tanmay Bharat**
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Sir William Dunn School of Pathology

Electron cryomicroscopy for *in situ* structural biology

I will present recent results from the laboratory to illustrate how we use electron microscopy and associated methods to conduct high-resolution structural and cell biology studies inside cells. We combine *in vitro* reconstitution with sub-nanometre resolution *in vivo* imaging to solve structures of proteins inside cells. I will also present our recently developed approaches for correlated cryogenic light and electron microscopy to locate target molecules in crowded cellular environments within cells. These results show the potential of *in situ* structural biology to solve structures of macromolecules in their native environments.

Hôte : Irina Gutsche (IBS/Groupe de Microscopie Electronique et Méthodes)