

Séminaire



CONFÉRENCIER
INVITÉ

Vendredi 16 Novembre 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

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New insights into bacterial chemoreceptor arrays by electron cryotomography

Most motile bacteria contain a highly sensitive and adaptable sensory system composed of clusters of chemoreceptors. This chemosensory system is used to detect changes in nutrient concentrations, allows the cells to navigate towards preferential environments and is also involved in host infection by some pathogenic bacteria. We use Electron Cryotomography (ECT) to study the three-dimensional architecture of the bacterial chemoreceptor arrays. ECT, in combination with genetics, proteomics and molecular dynamics flexible fitting methods provides a powerful toolbox to unravel structure and function of the bacterial chemotaxis systems.

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

L'accès au campus EPN nécessite un avis de rendez-vous
Contactez O. Cavoret (au moins 48h à l'avance) - T. 04 57 42 87 04 - email : ibs.seminaires@ibs.fr