

Séminaire



CONFÉRENCIER
INVITÉ

Vendredi 14 Septembre 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 **Prof. Christian Heinis**

Ecole Polytechnique Fédérale de Lausanne (EPFL), Suisse

Laboratory of Therapeutic Proteins and Peptides

Phage display selection of chemically cyclized peptides for the development of therapeutics

My laboratory is engaged in the discovery and development of cyclic peptides for therapeutic application. A major focus is the generation of ligands based on bicyclic peptides by phage display. The bicyclic peptides combine key qualities of antibody therapeutics (high affinity and specificity) and advantages of small molecule drugs (access to chemical synthesis, diffusion into tissue, various administration options). In my talk, I will introduce bicyclic peptide phage display, present new chemical reactions that we have applied to generate structurally highly diverse cyclic peptide libraries, and show recent data on the therapeutic activity of bicyclic peptides *in vivo*.

Hôte : Marc Jamin (IBS/Groupe Machines de Réplication Virale)