

# Séminaire



CONFÉRENCIER  
INVITÉ

*Vendredi 21 Décembre 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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## **Molecular Mechanisms of Prion and Amyloid Propagation Explored by Solid-State NMR Spectroscopy**

I will introduce the basics of structural and dynamic studies of biological macromolecules by magic-angle spinning solid-state nuclear magnetic resonance (NMR) spectroscopy, and discuss the application of this methodology toward providing an atomic level understanding of the phenomena of amyloid strains and cross-seeding barriers in a family of mammalian prion protein variants. If time permits, I will also discuss our recent advances in the development of new paramagnetic solid-state NMR methodologies for the rapid determination of three-dimensional protein structures.

*Hôte : J. Bosbouvier (IBS/NMR)*