



# Séminaire

**Dr Stéphane MESNAGE**

The University of Sheffield

**Mardi 26 avril 2022 à 14h30**

**Salle Chartreuse au CERMAV**

**From peptidoglycan analysis to peptidoglycomics:  
building new tools for a new discipline**

Peptidoglycan is an essential component of the bacterial cell envelope. Peptidoglycan synthesis and remodelling is of paramount importance for cell growth, division and the interaction with the environment. The structural analysis of this complex polymer is challenging due to the unusual composition and mode of polymerisation of this macromolecule. Since the late 80's, the field has relied on manual analysis approaches, which are time-consuming, labour-intensive, and prone to error. The lack of automated tools has hampered the ability to perform high-throughput analyses and prevented the adoption of a standard methodology. This presentation will discuss recent developments offering a consistent and reproducible analysis of bacterial peptidoglycans, a first step towards peptidoglycomics as a full-fledged discipline.

Lien zoom pour suivre la conférence en distanciel:

<https://univ-grenoble-alpes-fr.zoom.us/j/97789055681?pwd=bVJ2TC9WS3FkRlFmcG5iRIJtOFFWUT09>

Code 583245

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