

# MICROBIOLOGIE, INFECTIOLOGIE ET IMMUNOLOGIE

Université   
de Montréal

## ***CONFÉRENCE***

« Conférence prononcée en anglais – Lecture given in English »

### **Felipe Cava**

Associate Professor (Lektor) in Infection Biology  
Department of Molecular Biology, Umeå University  
(Affiliated) MIMS - Laboratory for Molecular Infection Medicine Sweden  
Laboratory 6k-42. Office 6K-26B  
SE-901 87 Umeå. Sweden  
<https://thecavalab.com/>

### **D-amino acids shape the environmental microbial diversity**

Bacteria live in polymicrobial communities characterized by a great diversity of co-existing species and competition for available resources. Unearthing the molecular mechanisms that shape microbial communities and their dynamics is a major challenge of the post-genomic era. One bacterial strategy for persisting in a specific niche is the production of toxic extracellular factors that interfere with the growth and/or viability of nearby microbes. In this lecture, I will present the discovery, biosynthesis, mode of action, and potential ecological role of one of these small molecules: the non-canonical D-amino acids.

**Jeudi 6 mai 2021 à 10h00**  
**Diffusion en ligne via la plateforme Zoom**

Join Zoom Meeting

<https://umontreal.zoom.us/j/99017176624?pwd=NDhnRkppeGJsOVNyaXVQSmRmNEJ5dz09>

Meeting ID: 990 1717 6624

Passcode: 901595

Invité par Dre Catherine Paradis-Bleau  
Tél. 514 343-5967  
[catherine.paradis-bleau@umontreal.ca](mailto:catherine.paradis-bleau@umontreal.ca)