

## **Biophysics of Viruses**

Formation of an infectious virus requires that hundreds or thousands of proteins co-assemble with other components into well-defined three-dimensional arrays. Viral particles target, and infect specific host cells, hijack their cellular machinery to produce the components required for virus assembly, and finally exit the host cells. The assembly and entry of a virus is governed by physical principles and viruses are thus ideal model systems for studying mechanisms underlying self-assembly, genome packaging and release, and membrane dynamics. In this session, the invited speakers explore single molecule methods to define the dynamics of viral entry, and high energy lasers to follow assembly.

### **Invited speakers**

Charlotte Uetrecht, Heinrich Pette Institut, Leibnitz  
Pedro de Pablo, UAM

### **3-4 short talks selected from abstracts**

### **Session chairs**

Sarah Butcher, University of Helsinki  
Nicola Abrescia, CIC bioGUNE

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