

From polymer physics to protein sequencing

Abdelghani OUKHALED

LAMBE UMR8587

In this seminar, I review the background of the team working on the single molecule approach, emphasizing the main motivations of the founder of this research area.

I examine the relevance of some of the theoretical predictions that led the founder of the team to use the emerging nanopore technique. I will discuss the major results of the team ranging from understanding the fundamental mechanisms of polymers in confined spaces to applications in nanobiotechnology such as the sequencing and identification of proteins and GAGs.