

Animation axe Matière molle et Interfaces
« **Nanofluidique** »

Lundi 22 janvier 2018
Salle Fontannes

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|---------------|---|
| 09h00 – 09h30 | C. Ybert
Osmotic Transport and Mass flow Rates in Nanofluidics |
| 09h30 – 10h00 | M.-C. Audry (INL)
Pre-concentration of Charged Biomolecules in micro/nano/micro fluidic systems |
| 10h00 – 10h30 | E. Bénichou / A. Piednoir
Probing liquid structure and dynamics at interfaces: SFA and SHG |
| 10h30 – 11h00 | ----- Pause Café ----- |
| 11h00 – 11h30 | L. Gagliardi / L. Fu
Modeling nanofluidic systems : Nanoscale flows in confined crystal growth / Molecular simulations of thermo-osmotic flows. |
| 11h30 – 12h00 | A. Steinberger (ENS)
Cylindrical probe AFM: microrheology and dynamics of liquid meniscii |
| 12h00 – 13h30 | ----- Pause Déjeuner ----- |
| 13h30 – 14h00 | F. Montel (ENS)
Injection of biomolecules into nanopores : from selectivity towards directionnality |
| 14h00 – 14h30 | O. Vincent
Nanoscale effects in the dynamics of fluids in porous media |
| 14h30 – 15h00 | P. Verlot
Nano-optomechafluidics : A new experimental platform for probing nanofluidics |

15h00 – 15h30 ----- Pause Café -----

15h30 – 16h00 **P. Kleimann (INL)**
Micro-/Nanofluidic systems for Lab-on-a-Chip (Xurography, High pore density Si membranes, Nanofluidic transistors...)

16h00 – 16h30 **A.-L. Biance**
Soft Nanofluidics

16h30 – 17h00 **L. Joly**
Optimizing nanofluidic systems for energy harvesting: insight from atomistic modeling