| Collaborative platform |

Structural Biology Platform

FIELD OF ACTIVITY

- NMR & spectrofluorimetry:
  - Structure, folding, stability and dynamics of proteins in solution.
  - Ligand/protein, protein/protein, protein/nucleic acid interactions.
  - Physiopathology of the microtubule cytoskeleton, cell cycle and neuron function.
- AFM (atomic force microscopy):
  - Nanometer-scale characterization of biomolecules and complexes.
  - Air or liquid media observations of single molecules (DNA or proteins).
  - DNA-ligand and protein-protein complexes.
  - Biomolecule-surface interactions.
  - Interaction forces between biomolecules

Host laboratory Structure and Activity of Normal and Pathological Biomolecules

Supervisory bodies
University Évry-Val-d'Essonne - INSERM

Funding bodies UEVE - CRIF - CG91 - AFM - CEA - MESR - INSERM - Genopole®

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EQUIPMENT / FACILITIES

- 600 MHz NMR spectrometer equipped with a cryoprobe.
- Molecular modeling and molecular dynamics software.
- Spectrofluorimeter (with fluorescence polarization and temperature control).
- 2 Nanoscope III atomic force microscopes (Digital Instruments).

ACCESS PROCEDURE

Please contact:

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