

Laboratory of Biomolecular Energetics, ISIR

Noji Laboratory

Research Theme

Our main research objective is to reveal energy-conversion mechanism of biomolecular motors using single-molecule measurement techniques. Furthermore, by taking advantage of microfabrication technology, we are developing novel, highly sensitive method to measure biological reaction. Finally, we are also developing novel single-molecule method to study the membrane proteins such as ion transporters.

Faculty

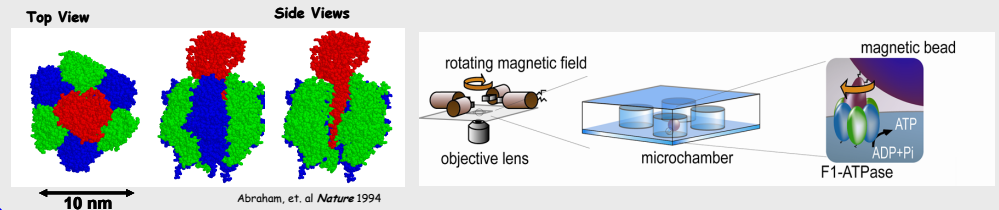
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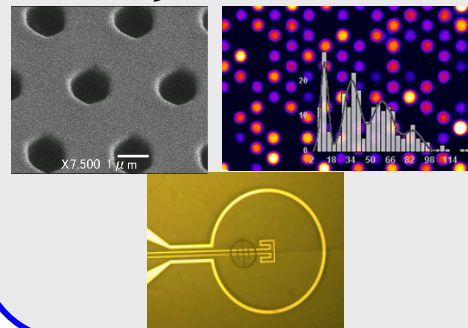
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Single-Molecule Measurement of Biological Molecular Motors



Nanobiology

Highly Sensitive Device for Measurement of Biological Reaction



Development of Novel Single-Molecule Method for Membrane Proteins

