

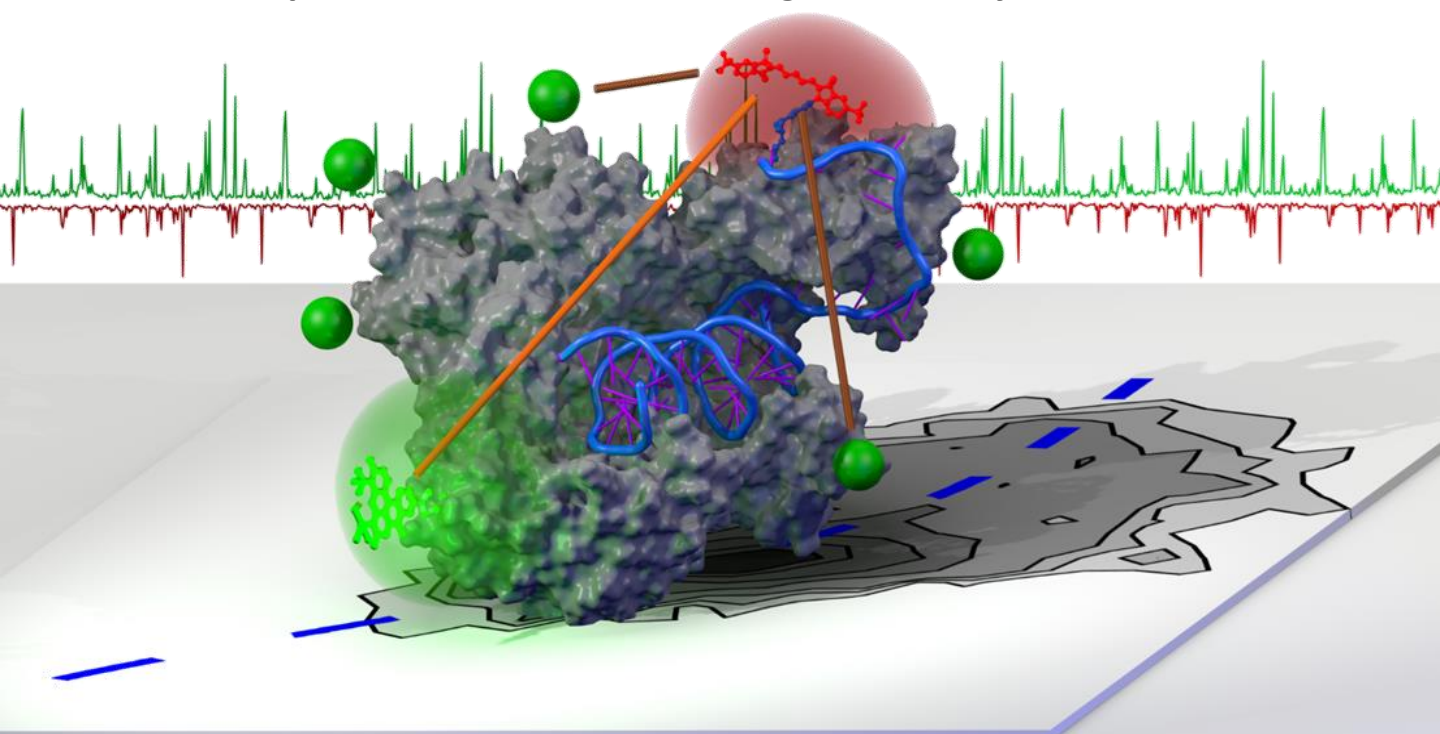
COST CM1306 'Understanding Movement and Mechanism in Molecular Machines'



UNIVERSITÀ DI PARMA

Training School: Advanced fluorescence methods to explore dynamics and mechanisms of molecular machines

**7-9 February 2018,
Department of Food and Drug, University of Parma**



An integrated approach combining complementary spectroscopies and molecular simulations. The course will provide an in-depth theory and practice of fluorescence spectroscopy for the investigation of complex biological systems. Other spectroscopic methods will be covered in order to describe complementary approaches for structural modeling.

TOPICS: Basic principles of fluorescence spectroscopy, time-resolved fluorescence, fluorescence correlation spectroscopy, Förster Resonance Energy Transfer, single-molecule FRET, fluorescence imaging, complementary spectroscopic methods (CD, EPR, NMR) for integrative/hybrid structural modeling. **COST CM1306 website:** molecularmachinery.eu

ORGANIZERS: Claus Seidel, Andrea Mozzarelli, Serena Faggiano

TUTORS: Stefania Abbruzzetti, Mirca Lazzaretti, Samanta Raboni, Luca Ronda

TRAINERS: Stefano Bettati, Serena Faggiano, Barbara Campanini, Fraser MacMillan, Claus Seidel, Thomas Stockner, Cristiano Viappiani