

(Photo)Exciting movie: biomolecules on stage

Last Updated Tuesday, 04 October 2016

It took us eight years, and it only features a few picoseconds of a protein life in reaction to an energy shot. But this atom-scale Truman show, proposed in the ERC Femtoscopy project, has now -literally- seen the light. Using Femtosecond Stimulated Raman Scattering, we determined the whole spectrum of vibrational amplitudes of a photo-excited heme protein with extremely high temporal resolution, which allows animating the molecular normal modes. Enjoy the full story, providing new insights for the energy transport at the atomic scale, in the Nature Chemistry paper .