

Short biography



Aurélien Crut studied Physics at Ecole Polytechnique (X98 promotion). His PhD and postdoctoral works (respectively at the Kastler-Brossel laboratory in Paris and at Delft Technical University in the Netherlands) were devoted to biophysical experiments at the single-molecule level. He was appointed Assistant Professor at the Lyon 1 university in 2007 and joined the FemtoNanoOptics group, specialized in optical investigations of nanomaterials. Since then, his research has been focused on the modeling of the optical, vibrational and thermal properties of nano-objects, in close connection with the experimental activities performed in the group. He currently leads the

ANR-funded ULTRASINGLE project (2021-2025), which aims at investigating the energy transfer processes occurring at the nanoscale based on time-resolved optical experiments on single nanosystems, combined with numerical simulations of their vibrational and thermal dynamics.