

Quantum Dynamics (QD)

Mon, 2016-07-11 13:07 - [Minna Günes](#) [1] **Website:**
<http://physics.aalto.fi/qd/> [2]

Research Type: Theory
Experiment

The research interests of the Quantum Dynamics (QD) group are quantum coherent dynamics in ultracold gases and plasmonic nanostructures. We investigate theoretically strongly correlated quantum many-body systems in the context of ultracold Fermi gases. The goal is to predict novel many-body phases and phenomena, especially related to superconductivity. Another focus area where we combine experiment and theory is quantum coherent phenomena in nanoplasmonics, with the goal of creating novel types of coherent nanoscale light sources.

Leader: Prof. Päivi Törmä

Location

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- [Quantum Simulation](#) [3]

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