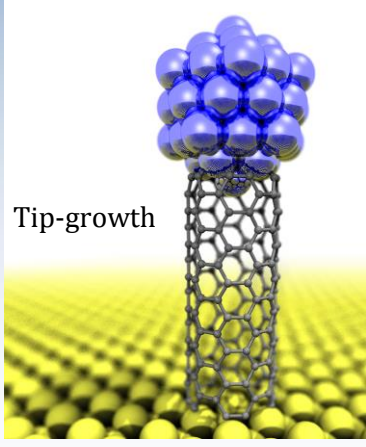


Staff: 5 Professors, 1 Senior Lecturer, 1 Lecturer
Non-permanent: 5 Postdocs, 5 PhD candidates

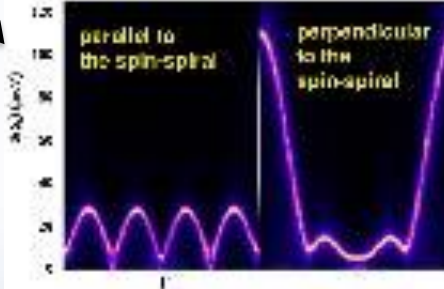
- **Electronic structure theory modeling**

- Quantum bits in diamond
- Catalytic growth of carbon nanotubes
- Molecules on metals for molecular electronics
- Spin-excitations in non-collinear magnets



- **Atomistic modeling**

- Environmentally friendly lubricants
- Zeolite membranes for biofuel production
- Spin excitation phase transitions



- **Monte-Carlo simulations of superconducting and superfluid materials**

- **Theoretical particle and astrophysics**

- High E particles, Gravitation, Fundamental quantum mechanics
- Molecular collisions, Radiation transfer

