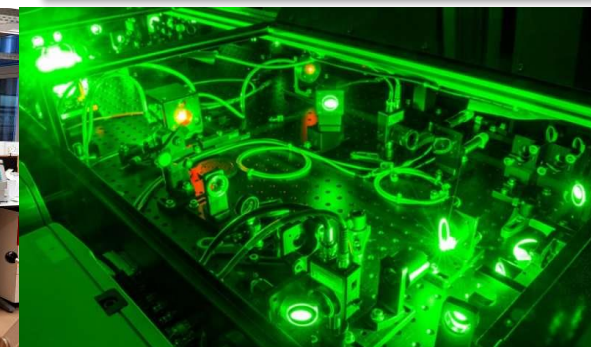
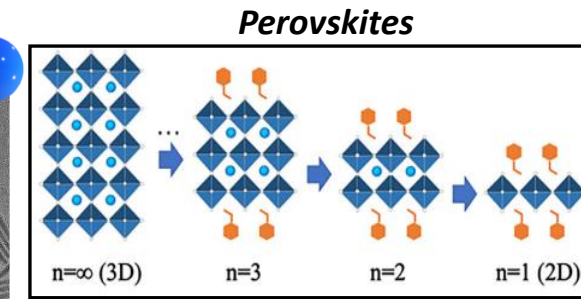
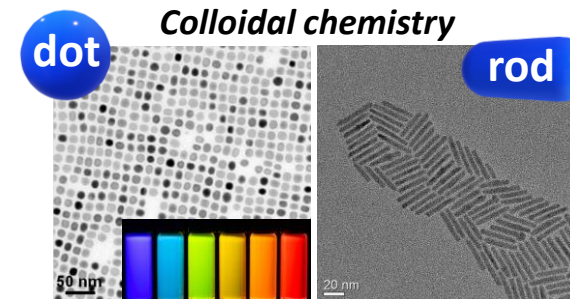
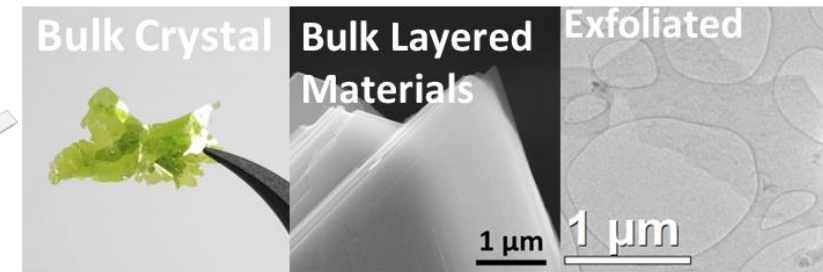
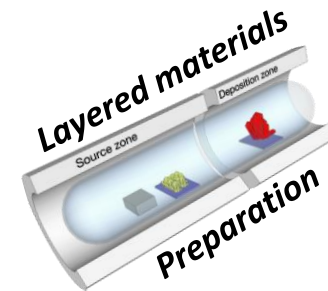


# Open Positions !!

Ms.c, Ph.D. and postdoctoral research positions in the fascinating field of low-dimensional materials with a unique correlation between magnetism and optical properties

- **Preparation:** Colloidal procedures for forming spheres, rods, wires, platelets, alloys, and heterostructures of binary and perovskite semiconductors. Vapor transport processes and exfoliation of magnetic lamellar materials.
- **Physical methodologies:** Magneto-photoluminescence (PL), optically detected magnetic resonance, microwave modulated-PL, cyclotron resonance modulated-PL (all, continuous and time-resolved).
- **Modeling:** DFT,  $k \cdot p$ , kinetic and spin-related issues.
- **Implementation** in prototype devices: detectors, solar energy, light sources, quantum-related applications.



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