Inorganic chemistry is concerned with the properties and reactivity of all chemical elements. Advanced interests focus on understanding the role of metals in biology and the environment, the design and properties of materials for energy and information technology, fundamental studies on the reactivity of main group and transition elements, and nanotechnology. Synthetic efforts are directed at hydrogen storage materials and thermoelectrics, catalysts for solar hydrogen generation, fullerenes and metal porphyrins, metal clusters and compounds with element-element bonds, as well as nanowires and nanoparticles.
Descriptive Chemistry

• Organometallic Chemistry (Michael Evans)

• Coordination Chemistry

• Crystal Field Theory

• Ligand Field Theory
Macromolecules

- Catalysis

- Crystal Lattices

- Crystallography