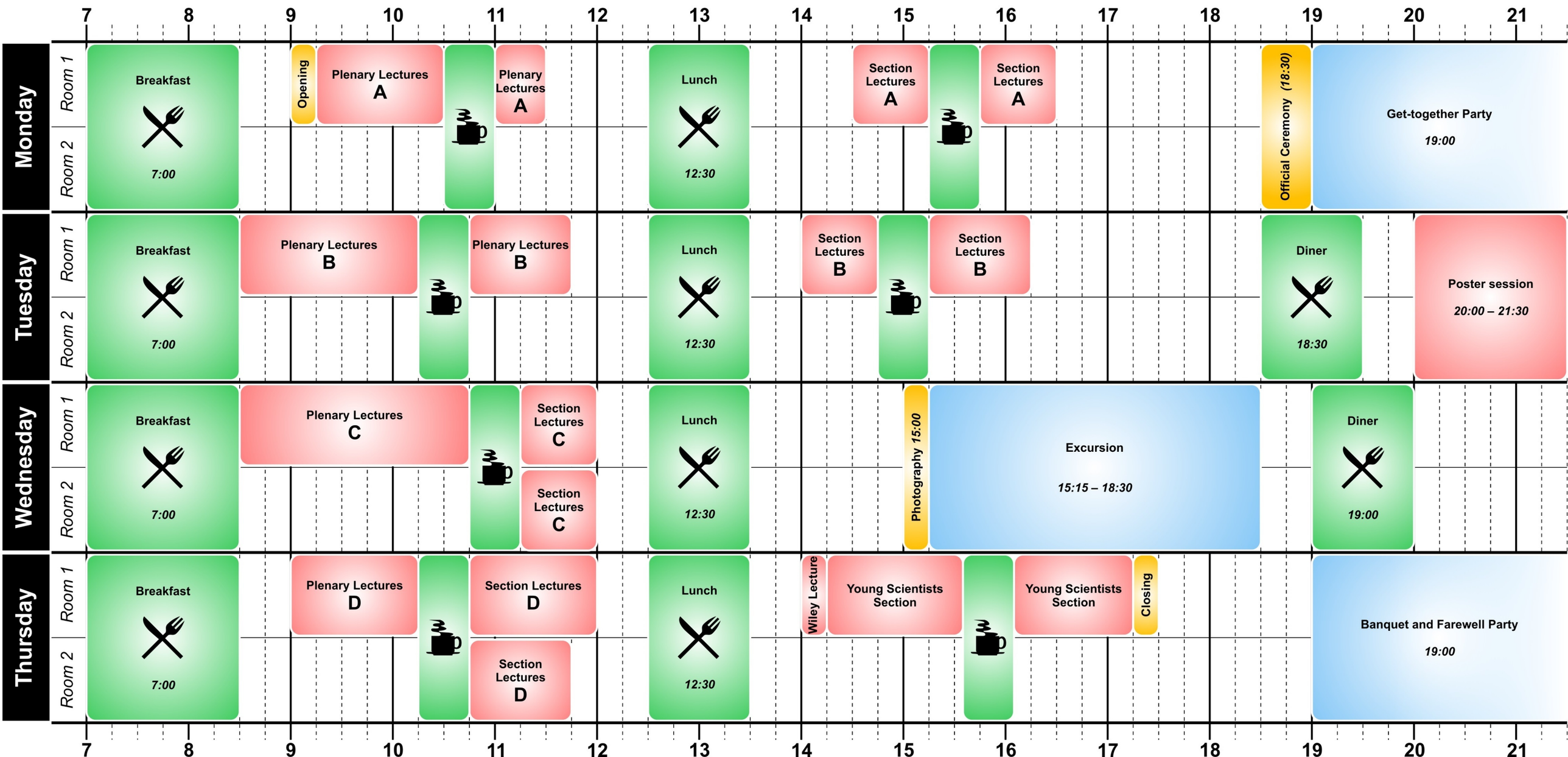
A **Electronic, molecular, and crystal structures**
New theoretical approaches and experimental techniques applied in structural investigation of inorganic compounds and materials, coordination compounds and biocomplexes

B **Solution and solid state reactivity**
Synthesis and characterization, spectral and magnetic properties of coordination compounds, electrochemistry, thermochemistry, photochemistry, catalysis, speciation of complexes in solutions

C **Applied inorganic and coordination chemistry**
Nanomaterials, magnetic materials, optomaterials, exploitation of physical and chemical properties of inorganic and coordination compounds and composites, supramolecular devices, superconductors

D **Complexes in human medicine and the environment**
Preparation, structure, chemical, biological properties and function of therapeutical agents and enzymes, natural and model biocomplexes, catalyzed destruction of environmental pollutants