

Synchrotron Projects (from Competitive International Calls)

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European Synchrotron Radiation Facility (ESRF, Grenoble, France)

Completed:

- **CH-2155**, “New Microporous Transition-Metal Polyhedra”, ID31
- **CH-2253**, “New Rare-Earth Heteropolyhedra Luminescent Materials”, BM01b
- **CH-2414**, “Cyclodextrin Inclusion Compounds with Europium(III) Beta-diketonates”, ID31
- **CH-2489 (PI)**, “Functional Microcrystalline Layered Lanthanide-Organic Frameworks”, ID31
- **CH-2533**, “Cyclodextrin Encapsulation of Biomimetic Organometallic Cancer Drug Candidates”, ID31 + BM01a
- **CH-2832**, “Lanthanide Silicates Exhibiting Unusual Photoluminescent Properties”, ID11
- **CH-2915**, “Cyclodextrin Inclusion of Biomimetic Cytotoxic Ruthenium Complexes”, ID11
- **CH-3692 (PI)**, “Novel Functional Metal-Organic Frameworks with Phosphonate Linkers”, ID31 + ID11
- **CH-3702**, “Novel Lanthanide-Based Photoluminescent, Catalytic and Magnetic Metal-Organic Frameworks”, ID31
- **CH-3613**, “Large Polynuclear Metal-Based Materials”, BM01a
- **CH-3718 (PI)**, “Bifunctional Lanthanide-Organic Frameworks with Polyphosphonate Organic Linkers”, ID11
- **CH-3837**, “Anion Binding Agents with Adequate Structural Features, for Biomedical, Environmental and Sensing Applications”, ID11
- **CH-3849**, “Nanocluster based metal materials: cyclic Mn70 complexes”, BM01a
- **CH-3876**, “Structural characterization of dapson, nalidixic acid and azelaic acid based BioMOFs towards controlled drug release”, ID31
- **CH-3994 (PI)**, “Anion exchange studies in photoluminescent clay-inspired Metal-Organic Frameworks”, BM01b
- **CH-3995**, “Bioinorganic and flavone ruthenium complexes designed for targeted antitumoral action”, BM01a
- **CH-4254 (PI)**, “Functional Large-Pore Lanthanide-Polyphosphonate MOF Materials”, ID22
- **CH-4325 (PI)**, “Robust Photoluminescent Metal-Organic Frameworks for Sensors: Large Pores Induced by Rigid Polyphosphonate Linkers”, ID22
- **CH-4797 (PI)**, “Evaluating the Structure-Properties Relationship of Crystalline Hybrid Proton Conductors”, BM25b
- **CH-4439 (PI)**, “Metal-Organic Frameworks as Proton Conductors for Processing into Fuel Cells”, ID22 + BM25b
- **CH-5240 (PI)**, “Multifunctionality in Crystalline Hybrid Materials: Unveiling the Structure of bio-MOFs with calcium and luminescent MOFs with lanthanides”, BM01
- **CH-5867 (PI)**, “Crystalline Hybrid Materials for the Treatment of Osteoporosis”, BM01

Diamond Light Source (Oxford, UK)

Completed:

- **EE8234 (PI)**, “Metal-Organic Frameworks with Phosphonate Linkers”, I11