

Open position – Post doc – ca. 30k eur/12 month before taxes

ideal start Feb-Mar 2024

contact: Prof. Massimo Cametti – massimo.cametti@polimi.it

There is an open post-doc position available in the O^{SCM}Lab at the Department of Chemistry, Materials and Chemical Engineering at the Politecnico di Milano (Milano – ITALY). The successful candidate will work under the supervision of Prof. Massimo Cametti (orcid.org/0000-0002-9280-3155) on the synthesis of novel bispidine ligands for the construction of 1D coordination polymers that can be used for volatile organic compounds (VOCs) adsorption applications. Documented experience in organic synthesis (and NMR characterization) and a strong interest for working in the multidisciplinary field of Material Chemistry is required. Additional expertise in P-XRD and SC-XRD data interpretation would be considered.

Relevant literature:

-A Bispidine Based CuII /ZnII Heterobimetallic Coordination Polymer, *Eur. J. Inorg. Chem.*, **2022**, 21, e202200221

-Different Topologies of Hg(II)-Bispidine 1D Coordination Polymers: Dynamic Behaviour in Solvent Adsorption and Exchange Processes, *Chem. Eur. J.*, **2022**, 28, e202200420

-Highly dynamic 1D coordination polymers for adsorption and separation applications, *Coord. Chem. Rev.*, **2021**, 430, 213661