**Prof. dr. Paolo Falcaro** received his PhD in *Materials Engineering* from Bologna University in 2006. Since then he has been working in the field of self-assembled materials, film deposition and crystal engineering. Initially, he worked in applied research for industry (Civen/Nanofab Italy) using the sol-gel method. Subsequently, he moved to an Australian national research organization (CSIRO) where he led a research team engineering porous crystals, related inorganic- and bio-composites.

In 2016, he joined Graz University of Technology at the Institute of Physical and Theoretical Chemistry as a full professor in Bio-based Materials Technology. During the same year he became adjunct professor at the University of Adelaide (Australia). In 2017 he received the ERC consolidator grant. He research focuses mostly on metal organic frameworks (MOFs), meso-porous materials and functional nanoparticles for applications including sensing, environmental remediation, biotechnology and device fabrication.