

**Marco Laurenti** received his MSc degree in Physical Engineering in 2011 at the Politecnico di Torino. In February 2015 he received his PhD in Physics at the Politecnico di Torino, in collaboration with the Istituto Italiano di Tecnologia. The subject of his PhD thesis was the synthesis of pristine and doped ZnO thin films by sputtering and the characterization of the resulting piezoelectric properties. He is currently working as Senior Post Doc at the Politecnico di Torino. His activities and research interests include the physical and chemical properties of nanomaterials and thin films, with a special focus on graphene and metal oxides; the fabrication of nanoporous graphene membranes for waste-water treatment; the application of lead-free piezoelectric nanomaterials to energy storage and conversion devices; the development of new generation piezoelectric scaffolds for tissue engineering and of drug-delivery systems based on metal oxide nanomaterials; the application of metal oxide nanoparticles for theranostics.