

## Dr. Lilia CLIMA, Senior Researcher

**Positions: 2016-present:** Researcher (CS/CSIII), group leader of the Constitutional systems for DNA transfection and drug delivery team (Centre of Advanced Research in Bionanoconjugates and Biopolymers, “Petru Poni” Institute of Macromolecular Chemistry); **2012-2016: Scientific Researcher** – Centre of Advanced Research in Bionanoconjugates and Biopolymers, “Petru Poni” Institute of Macromolecular Chemistry

**Education: 2003-2007: PhD** in Chemistry, “Albert-Ludwigs” University of Freiburg, Germany; **2000: MSc**, Moldova State University, Chisinau, Moldova; **1999: BSc**, Moldova State University, Chisinau, Moldova

**Post-doctoral: 2008-2010:** Centre for DNA Nanotechnology (CDNA), Aarhus University, Aarhus, Denmark; **2007-2008:** “Ruprecht-Karls University” of Heidelberg, Germany

**Research mobilities:** L’Institut Européen des Membranes, Montpellier, France: **2016, 2014, 2013;** University of Florence: **2019**

**Project leader/manager: 2017-2018:** PN-III-P3-3.1-PM-RO-BE-2016-0011 “Multifunctional Dynamic Nanoplatfroms for Targeted Biomedical Applications”; **2018-2020:** PN-III-P1-1.1-TE-2016-1180 “Dynamic Constitutional Platforms for Targeted Drug Delivery”; **2017-2019:** CDI (TSCA) STAR CDI Nr. 169/20.07.2017” Satellite hybrid micro-thrusters” (partner)

**Project team member: 2018-2022:** PN-III-P4-ID-PCCF-2016-0050; **2015-2020:** SupraChem Lab, ERA CHAIR initiative H2020-WIDESPREAD-2014-2015; **2016-2020:** P\_37\_707, Polimeri coordinativi porosi noi cu liganzi organici de dimensiuni variabile pentru stocarea gazelor (POCPOLIG)

**Expertise fields:** Organic chemistry, nucleic acids chemistry, supramolecular and dynamic chemistry. Design, synthesis, characterization and testing of new dynamic combinatorial multivalent networks for DNA binding and transfection, design and synthesis of ligands for metal organic frameworks (MOF) and its applications.

**Scientific results:** co-author of more than **20** articles in international journals in the last 5 years; 1 book chapter, **Hirsch factor** (web of science): **9**, Brainmap ID: U-1700-038R-1324; ORCID: <https://orcid.org/0000-0003-0103-2277>