



## Lisa Moni

Fixed-term assistant professor

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### *Education and training*

2009

#### **PhD in Chemical Sciences**

Synthesis and biological properties of multivalent glycoside ligands.  
University of Ferrara - Ferrara - IT

2015

#### **Specialist degree (five-year program) in Medicinal Chemistry and Technology**

Synthesis and reactivity of 6- aminomannofuranoside A versatile scaffold  
for the preparation of molecules of potential biological interest. - 110/110  
cum laude  
University of Florence - Florence - IT

### *Academic experience*

2015 - ONGOING

#### **RTD-A**

University of Genova - Genova - IT

2011 - 2015

#### **Post-doctoral fellow**

University of Genova - Genova - IT  
Research on diversity-oriented synthesis

2010 - 2011

#### **Post-doctoral fellow**

Université Joseph Fourier de Grenoble - Grenoble - FR  
Synthesis of peptides as potential therapeutic agents for Alzheimers  
disease

2009 - 2010

#### **Post-doctoral fellow**

University of Ferrara - Ferrara - IT  
Research on rapamcyin glycosylation in collaboration with Wyeth (USA)

### *Language skills*

**Italian**

Mother tongue

**English**

Proficient

**French**

Independent

## *Teaching activity*

Courses (from 2016): Organic Chemistry and Laboratory (B.S. in Biotechnology), Assistance for Organic Chemistry II and Laboratory (B.S. in Chemistry and Chemical Technologies). Since 2014 on LM has supervised and co-supervised 8 BcS students and 12 Master Students.

## *Postgraduate research and teaching activity*

### **Postgraduate (PhD) teaching activity**

Course (2 CFU) within the PhD School of Sciences e Technologies of Chemistry and Materials, University of Genoa: Title 'Synthesis oriented to diversity of heterocyclic compounds '(Diversity Oriented Synthesis of Heterocyclic Compounds).

## *Research interests*

During PhD and PostDoc, I have gained skills in fields such as chemistry of biomolecules (carbohydrates, nucleotides, peptides), having the opportunity to work at interdisciplinary projects moving from organic chemistry to nanotechnologies (i.e. microarrays, functionalized silica gels, nanoparticles). Since 2011, I have been working at the University of Genova in the Bioorganic Chemistry Group, where I became Assistant Professor in 2015. My present research interests regard the development of original methodologies involving multicomponent reactions in combination with organocatalytic and enzymatic processes, and metal-catalyzed post-cyclizations. Recently, I am also active in new fields such as flow chemistry and photoactivated reactions.

## *Grants*

### **2018 - ONGOING**

#### **BIODEST - SYNTHESIS CHARACTERIZATION STRUCTURE AND PROPERTIES OF NOVEL BIODEGRADABLE POLYESTERS**

European Commission

Participant

BIODEST (Synthesis, Characterization, Structure and Properties of Novel Biodegradable Polyesters) Research and Innovation Staff Exchange (RISE) project aims to strengthen around student and staff exchanges with the aim to improve skills and knowledge of the participating partners and promote collaboration between four European Research organizations: University of the Basque Country (Spain), University of Mons (Belgium), University of Genova (Italy), and University of Warwick (U.K.) and five non-EU Research Organizations: University of Tulane (USA), Chinese Academy of Science (China), Simon Bolivar University (Venezuela), University of Stellenbosch

(South Africa), and Yamagata University (Japan). Moreover the non-academic European organization “Ma+D - Waste Valorization Engineering” will collaborate in the networking activities. The project will provide support for the participating research organizations to establish or reinforce long-term research cooperation in the topic of novel biodegradable polyesters through a coordinated joint programme of exchange of researchers for short periods.

### ***Editorial activity***

Editor of Research Topic “Diversity Oriented Synthesis” in *Frontiers in Chemistry*. Reviewer several scientific journals (*Chemical Science*, *Frontiers*).