

**EUROPEAN FORMAT  
FOR CURRICULUM  
VITAE**



**PERSONAL INFORMATION**

Name

**LEONE LOREDANA**

E-mail

Nationality

Date of birth

**EDUCATION AND TRAINING**

From MARCH 2015 to  
present day

Post-Doc fellowship "Synthesis of new MRI probes compounds paramagnetic based on Gd (III) and Mn (II) complexes and their conjugation on biocompatible particles for biomedical cell imaging applications" at the Dipartimento di Scienze ed Innovazione Tecnologica, Università degli Studi del Piemonte Orientale, Alessandria, Italy

From APRIL 2011 to  
MAY 2014

PhD in Chemical Sciences. Research project: Synthesis, properties and applications of bioinspired nitrogen and/or group 16 aromatic heterocycles

Name of organisation  
providing education and  
training

University of Naples "Federico II"

Main subject

Organic chemistry; Synthesis of N,S heterocyclic compounds, Natural pigments and dyes; Structural analysis;

From OCTOBER to  
DECEMBER 2013

Visit at the Lund Laser Center, Department of Chemical Physics of Lund University (Sweden). Use of ultrafast spectroscopic techniques for investigation of photochemistry of natural melanin pigments and precursors

From DECEMBER 2008 to  
OCTOBER 2010

Master Degree in Chemical Sciences Thesis project: Novel approaches to thioglycosidation of indoles

• Name of organisation  
providing education and  
training

University of Naples "Federico II"

<ul style="list-style-type: none"> <li>• Main subject</li> </ul>	General Chemistry, Inorganic Chemistry, Organic Chemistry, Physical Chemistry, Analytical Chemistry
Professional skills	Study of the reactivity of organic compounds; interpretation of spectral data (NMR, UV-VIS, IR, MS). Analysis, purification and isolation of organic products by chromatographic techniques (HPLC, gas chromatography, analytical and preparative TLC); structural characterization by spectroscopic techniques (NMR, UV-VIS, mass spectrometry, IR)
Title of qualification awarded	Use of instruments such as UV-VIS spectrophotometer, HPLC, low and high field NMR Chemist (110/110 cum lode)
From OCTOBER 2005 until DECEMBER 2008	Degree in Chemistry Thesis project: Selective removal of methoxycarbonyl groups from saccharidic substrates.
<ul style="list-style-type: none"> <li>• Name of organisation providing education and training</li> </ul>	University of Naples “Federico II”
<ul style="list-style-type: none"> <li>• Main subject</li> </ul>	General Chemistry, Inorganic Chemistry, Organic Chemistry, Physical Chemistry, Analytical Chemistry
Title of qualification awarded	Chemist (110/110 cum lode)
<ul style="list-style-type: none"> <li>• From 2000 until 2005</li> </ul>	Student
<ul style="list-style-type: none"> <li>• Name of organisation providing education and training</li> </ul>	Liceo Scientifico Statale “G.Mercalli”
<ul style="list-style-type: none"> <li>• Main subject</li> </ul>	Mathematics, Biology, Physics, English, Italian Literature, English Literature, German Literature
Title of qualification awarded	High school diploma (scientific course) (98/100)

**PERSONAL SKILL AND  
COMPETENCES**

MOTHER TONGUE

**ITALIAN**

OTHER LANGUAGES

**ENGLISH**

- Reading Skills
- Writing Skills
- Expression Skills

Good

Good

Good

- *Reading Skills*
- *Writing Skills*
- Expression Skills

Good

Good

Good

**GERMAN (SECOND LEVEL KNOWLEDGE OBTAINED FROM  
GOETHE INSTITUTE OF NAPLES-ZERTIFIKAT DEUTSCH ( ZD ))**

PERSONAL SKILL AND  
COMPETENCES

INCLINATION TO LIVE AND WORK IN DIFFERENT  
ENVIRONMENTS ;

TECHNICAL SKILLS AND  
COMPETENCES

Good experience in the use of application softwares such as MS Office 2010,, Hyperchem Pro 6.0, Matlab, Isis Draw2.4, ChemDraw, internet browsing, AS400 and instruments such as spectrophotometers UV-VIS, HPLC.

LICENSES

European driving Licence

INTERESTS AND  
HOBBIES

Travels (France , Spain, Tenerife,German)

## Publications

### **A straightforward synthetic access to symmetrical glycosyl disulfides and biological evaluation thereof.**

Matteo Adinolfi, Domenica Capasso, Sonia Di Gaetano, Alfonso Iadonisi, **Loredana Leone**, Antonello Pastore .

*Org. Biomol. Chem.*, 2011, **9**, 6278-6283

### **Glycosylated Eumelanin Building Blocks by Thioglycosylation of 5,6-Diacetoxyindole with an Expedient Selenium-Based Dynamic-Mixture Methodology**

Matteo Adinolfi, Marco d'Ischia, Alfonso Iadonisi, **Loredana Leone**, Alessandro Pezzella, Silvia Valerio

*Eur. J. Org. Chem* 2012, , **23**, 4333-4338

DOI: 10.1002/ejoc.201200299

### **The $\Delta^{2,2'}$ -Bi(2*H*-1,4-benzothiazine) Structural Motif of Red Hair Pigments Revisited: Photochromism and Acidichromism in a Unique Four-State System (pages 5136–5140)**

**Loredana Leone**, Orlando Crescenzi, Alessandra Napolitano, Vincenzo Barone and Marco d'Ischia

*Eur. J. Org. Chem.* 2012, , **27**, 5136-5140 DOI:

10.1002/ejoc.201200673

### **Red Hair Benzothiazines and Benzothiazoles: Mutation-Inspired Chemistry in the Quest for Functionality**

Alessandra Napolitano, Lucia Panzella, **Loredana Leone**, and Marco d'Ischia

*Acc Chem Res.* 2012, **46**, 519–528 DOI: 10.1021/ar300219u

### **Red-Hair-Inspired Chromogenic System Based on a Proton-Switched Dehydrogenative Free-Radical Coupling**

**Loredana Leone**, Orlando Crescenzi, Riccardo Amorati, Luca Valgimigli, Alessandra Napolitano, Vincenzo Barone, and Marco d'Ischia

*Organic Lett.* , **15**, 4494-4497

DOI: 10.1021/ol402161j

### **Red human hair pheomelanin is a potent pro-oxidant mediating UV-independent contributory mechanisms of melanomagenesis**

Lucia Panzella, **Loredana Leone**, Giorgia Geeco, Giuseppe Vitiello, Gerardino D'Errico, Alessandra Napolitano, Marco d'Ischia

*Pigment Cell Melanoma Res.* 2013, **27**, 244-252.

DOI:10.1111/pcmr.12199

**Photochemistry of pheomelanin building blocks and model chromophores – excited state intra- and inter-molecular proton transfer.”**

Amal El Nahhas, Torbjörn Pascher, **Loredana Leone**, Lucia Panzella, Alessandra Napolitano, Villy Sundström “

*J. Phys Chem. Lett.*, accepted DOI:10.1021/jz500720g

## **Meeting attendance and presentation**

NatPharma16th European Carbohydrate Symposium 3-7 Luglio 2011, Sorrent

**Poster: Glycosylation as a tool for eumelanin polymers investigation.** Matteo Adinolfi, Marco d’Ischia, Alfonso Iadonisi, **Loredana Leone**, Lucia Panzella, Alessandro Pezzella, Silvia Valerio

**Poster: Synthesis of thioglycosylated indoles as precursors of soluble eumelanin polymers**

Matteo Adinolfi, Marco d’Ischia, Alfonso Iadonisi, **Loredana Leone**, Lucia Panzella, Alessandro Pezzella, Silvia Valerio

XV Ischia Advanced School of Organic Chemistry (IASOC), Ischia, September 2012

**Poster: The  $\Delta^{2,2'}$ -Bi(2H-1,4-benzothiazine) Structural Motif of Red Hair Pigments Revisited: Photochromism and Acidichromism in a Unique Four-State System**

**Loredana Leone**, Orlando Crescenzi, Alessandra Napolitano, Vincenzo Barone and Marco d’Ischia

SISOC-IX (9<sup>th</sup> Spanish-Italian Symposium on Organic Chemistry) Tenerife, 10-14 February 2012

**Poster: Synthesis and Characterization of New 1,4-Benzothiazine-Based Chromophore**

**Loredana Leone**, Alessandra Napolitano and Marco d’Ischia

17<sup>th</sup> Meeting of the European Society for Pigment Cell Research Geneva, Switzerland, 11<sup>th</sup>-13<sup>th</sup> September 2012

**The bright and dark side of red hair pigments**

Alessandra Napolitano, Lucia Panzella, **Loredana Leone**, Marco d’Ischia

## **School Participation**

**National School of Nuclear Magnetic Resonance – University of Turin; August 31-September 4, 2015.**

