

Curriculum Vitae

Personal information

First name(s) / Surname(s) **Greta Bergamaschi**
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Nationality Italian
Date of birth 17.07.1983

Work experience

Dates September 2012- November 2012
Occupation or position held Research work as an intern under the supervision of Prof. K. Severin
Name and address of employer EPFL- École Polytechnique Fédérale de Lausanne- Swiss

Dates November 2009- October 2010
Occupation or position held Research fellowship : "Design of new fluorescent sensors for anions "
Name and address of employer Dipartimento di Chimica Generale – University of Pavia – Italy

Dates July 2009- October 2010
Occupation or position held Research fellowship : "Supramolecular sensors for anions sensing"
Name and address of employer Dipartimento di Chimica Generale – University of Pavia – Italy

Dates July 2008- June 2009
Occupation or position held Research fellowship : "Anion sensors"
Name and address of employer Dipartimento di Chimica Generale – University of Pavia – Italy

Dates November 2007- June 2008
Occupation or position held Research fellowship : "Synthesis and characterization of new supramolecular sensors for anion sensing and selective recovery"
Name and address of employer Dipartimento di Chimica Generale – University of Pavia – Italy

Education and training

Dates November 2010 – current
Title of qualification awarded Doctorate in the Chemical Sciences (estimated graduation date: January 2013)

Name and type of organisation providing education and training	Dipartimento di Chimica Generale - University of Pavia – Italy
Level in national or international classification	ISCED 6
Dates	September 13th-17th 2010
Title of qualification awarded	Participation Certificate at CNIF 2010 (5th National Course of Introduction to Photochemistry)
Principal subjects/occupational skills covered	Depth knowledge of basic theoretical principles of photophysics and photochemistry, their application in analytical techniques (spectrophotometry, spectrofluorimetry, fluorescence microscopy, pulsed techniques) and for practical purposes (new materials, sensors, artificial photosynthesis, preservation of cultural heritage, environmental, biomedical and pharmacological applications).
Name and type of organisation providing education and training	Dipartimento di Chimica Ciamician - University of Bologna – Italy
Dates	December 2005– September 2007
Title of qualification awarded	Masters degree in Chemical Sciences
Principal subjects/occupational skills covered	Dissertation title: <i>Anion - Dimetallic Cryptand interactions in no aqueous solvent</i> . Tutor: Dr. Amendola Valeria. Significant scientific and operational knowledge in the different fields of chemistry, particularly in theoretical and experimental aspects of Inorganic Chemistry and Analytical Chemistry. Laboratory experience gained at the Supramolecular Chemistry Laboratory.
Name and type of organisation providing education and training	Dipartimento di chimica Generale - University of Pavia – Italy
Level in national or international classification	ISCED 5
Dates	September 2002– December 2005
Title of qualification awarded	Bachelor's degree in Chemical Sciences
Principal subjects/occupational skills covered	Dissertation title: <i>Anion sensors</i> . Tutor: Prof. Luigi Fabbrizzi Strong foundations in Mathematics and Physics, extensive knowledge of the four main chemical disciplines (Inorganic Chemistry, Organic Chemistry, Analytical Chemistry, Physical Chemistry), good familiarity with the techniques, methodologies, tools and problems of the chemical laboratory.
Name and type of organisation providing education and training	University of Pavia – Italy
Dates	September 1997– July 2002
Title of qualification awarded	Italian <i>Maturità Scientifica</i> , school leaving examination taken after five years of "Liceo" high school.
Name and type of organisation providing education and training	Liceo Scientifico Statale "Niccolò Copernico" – Pavia – Italy
Level in national or international classification	ISCED 3
Other languages	Good knowledge of spoken and written English. School-level knowledge of spoken and written French
Computer skills and competences	Very good knowledge of Office Data analysis, graph design with SigmaPlot. Equilibrium constant refining with the software Hyperquad and Hyss

Scientific skills and competences

Organic and Inorganic synthesis methodologies

Purification of reaction mixture by means of the common separation techniques (Crystallization, distillation, chromatography, etc...)

UV/Vis, IR spectroscopy

Spectrofluorimetry

Electrochemical and Potentiometric techniques

ESI – Mass Spectrometry.

ITC- Isothermal titration calorimetry

NMR techniques oriented to the identification and the study of both reaction products and anion-receptors.