

PERSONAL INFORMATION

Roberto Preste



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Sex M | Date of birth 02/01/1991 | Nationality Italian

WORK EXPERIENCE

March 2015 – Ongoing

Web Developer

ELIXIR Hub, Wellcome Genome Campus, Hinxton, Cambridge, UK.

- Management of the ELIXIR intranet
- Design and production of the Bioschemas website (<http://bioschemas.org/>)
- Active collaboration with the Bioschemas development community
- Design and production of a registry and validation portal on Bioschemas data

January – July 2015

Didactic – integrative Tutor

Labo-Biotech, Department of Biosciences, Biotechnologies and Biopharmaceutics, University of Bari “Aldo Moro”, Bari, Italy.

- Educational counselling and management of a series of seminars for students of Medical and Pharmaceuticals Biotechnologies and Processes and Products Innovation Biotechnologies courses
- Management of a remedial course in Applied Physics
- Management of Faculty’s website (<http://www.biotech.uniba.it/>)

November 2014 – July 2015

University Internship (M.Sc.)

Bioinformatics lab. (supervisor: Prof. Attimonelli M.), Department of Biosciences, Biotechnologies and Biopharmaceutics, University of Bari “Aldo Moro”, Bari, Italy.

- Automated updating of a human mitochondrial genomes’ database (<http://hmtddb.uniba.it>)
- Implementation and optimization of various scripts for bioinformatics analysis
- Creation of a computed pipeline for searching RNA editing events in human mitochondrial genomes

March – June 2013

University Internship (B.Sc.)

Organic Chemistry lab. (supervisor: Prof. Farinola G.), Department of Chemistry, University of Bari “Aldo Moro”, Bari, Italy.

- Culture, purification and functionalization of diatoms’ frustule through organosilanes chemistry
- Purity analysis of compounds using FTIR

EDUCATION AND TRAINING

- 2013 – 2015 Master's Degree in Cellular and Molecular Biology (LM-6)**
 Department of Biosciences, Biotechnologies and Biopharmaceutics, University of Bari "Aldo Moro", Bari, Italy.
 Final mark: 110/110
 Thesis in Bioinformatics and Comparative Genomics (supervisor: Prof. Marcella Attimonelli):
 "Automated characterization and annotation of nucleotide variants in human mitochondrial DNA and RNA"
- 2009 – 2013 Bachelor's Degree in Medical and Pharmaceutical Biotechnologies (L-2)**
 Department of Biosciences, Biotechnology and Biopharmaceutics, University of Bari "Aldo Moro", Bari, Italy.
 Final mark: 103/110
 Thesis in Organic Chemistry (supervisor: Prof. Gianluca Farinola): "Functionalization of nanostructured biosilica"
- 2004 – 2009 High school Diploma (scientific – biologic studies)**
 Liceo Scientifico – Biologico, I.T.A.S. Principessa Maria Pia, Taranto, Italy.
 Final mark: 87/100

PERSONAL SKILLS

Mother tongue Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Cambridge ESOL, Levels A2, B1					

Communication skills Good communication and integration skills, mainly developed during my tutoring activities in University, since constant student-tutor as well as tutor-administrators interactions were needed; I further improved these skills during my work at ELIXIR, in which I have to periodically present the goals I achieved and the tasks I'm going to tackle for an ongoing project.

Organizational / managerial skills Great skill in job organization and distribution of tasks, gained during my work at ELIXIR and University internships, in which it is required to work on a specific project analyzing one particular aspect of it, though cooperating and sharing findings with the whole working group.

Job-related skills Great knowledge of bioinformatics tools for their analysis and characterization; great propensity to create new tools and problem-based computational resources.
 Great knowledge of web development and of various web programming frameworks.
 Good knowledge of nucleic acids extraction, purification and sequencing protocols from biologic samples.

- Computer skills**
- Great knowledge of Python programming language, Bash shell usage and MySQL databases
 - Great knowledge of major bioinformatics analysis packages, both web-based and stand-alone
 - Great knowledge of MS Office softwares, OSs (especially UNIX-based ones) and web navigation
 - Great knowledge of HTML, CSS and JavaScript, and of web development in general
- I have, and always had, a great passion for IT *in toto*, besides bioinformatics, and I'm very interested in learning new programming languages and data analysis protocols; computer science is gaining more and more involvement in every aspect of life and work, and I'm always trying to widen my interests in this field in order to make a passion become a job.
- Other skills**
- I often attend webinars offered by the major institutions of bioinformatics, in order to deepen my knowledge of this subject, as well as following several online courses on different programming languages and web development.
- Driving licence** B

ADDITIONAL INFORMATION

- Conferences**
- Mitochondrial Medicine: developing new treatments for mitochondrial disease, Cambridge (UK), 4th-6th May 2016
 - ELIXIR 2016 All Hands meeting, Barcelona (ES), 8th-10th March 2016
 - 2° Rare Diseases Convention of Salento, Lecce (IT), 22nd February 2016
 - 12° BITS (Bioinformatics Italian Society) annual meeting, Milan (IT), 3rd-5th June 2015, with the abstract and poster titled "Automated updating of HmtDB database"
 - 2° BiP-Day (Apulian Bioinformatics Day), Bari (IT), 19th December 2014
- Seminars**
- Javascript for Visualization Workshop, Norwich (UK), 21st-22nd April 2016
 - Introduction to Python for Scientific Calculus, Bari (IT), 28th November, 5th and 12th December 2014