VALERIA STAGNO
CURRICULUM VITAE

Born **/ 26/06/1994** Age **/ 25**
Place of birth **/ GAETA (LT)**
Nationality/ citizenship **/ Italy**
Address **/ Via trifolle 6, 03040 AUSONIA (FR)**
Alternative address **/ Piazzale Aldo Moro 5 , 00185 ROMA (RM)**
Driving licence **/ B**
ID **/ 4299055** updated on **05/12/19**

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SOFT SKILL

Autonomy **10/10**
Self confidence **8/10**
Flexibility/Adaptability **8/10**
Resistance to stress **10/10**
Ability to plan and organize **10/10**
Precision/Attention to details **10/10**
Learn continuously **10/10**
Achievement of objectives **10/10**
Managing information **10/10**
Entrepreneurial spirit and initiative **10/10**
Communication **10/10**
Problem Solving **10/10**
Team work **8/10**
Leadership **10/10**

FOREIGN LANGUAGE SKILLS   *europass*

MOTHER TONGUE(S): Italian

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ENGLISH GOOD   B2   C1   B2   B2   C1

DIGITAL COMPETENCES

Self-assessment grid   *europass*
Information processing **Proficient user**
Communication **Proficient user**
Content creation **Proficient user**
Safety **Proficient user**
Problem solving **Proficient user**

BASIC DIGITAL COMPETENCE
Operating systems **Excellent**
Programming languages **Fair**
Word processing **Excellent**
Electronic spreadsheet **Excellent**
Internet skills **Excellent**
Multimedia **Excellent**

Career Goal

Specialization in new NMR Imaging and Diffusion protocols implementation and in digital NMR images processing through the improvement of the use of specific softwares like TopSpin, Paravision, XWIN and Matlab. New positions achievement to get more and more decision power and autonomy in research fields of physics, physics applied to cultural heritage and magnetic resonance.

WORK EXPERIENCES

Researcher
OULU UNIVERSITY,FINLAND
Education, training, research and development
OULU (FINLANDIA)
03/2019 - 08/2019

Main activities and responsibilities: Researcher in a NMR research group. Experimental NMR unit member. Acquisition of experiments and data elaboration.
Acquired skills and achieved objectives: English writing, listening and speaking; Matlab, TopSpin, Paravision use; experience in the application of new NMR sequences in simil-C language; teamwork; communication with personalities of different nationalities; ability to communicate scientific subjects and topics in English; work management and organization;

Undergraduate Internship
CNR (CONSIGLIO NAZIONALE DELLE RICERCHE)
Education, training, research and development
ROMA (RM)
01/2018 - 12/2018

Main activities and responsibilities: Improvement in the use of software for the NMR data elaboration, new research protocols implementation, acquisition of digital images (DIGITAL IMAGING) NMR in high resolution and of molecular diffusion data in porous media. Data processing (DATA ANALYST) and writing of scientific papers in English. Explanation of scientific data and results through power point presentations available for seminars and conferences. Transformation of complex data into easily understandable data. Ability to synthesize. Scientific English skill. NMR laboratory management, instrumentation care and maintenance, historical archaeological-artistic wooden samples preparation. Development of non-invasive NMR protocols for archaeological samples.
Acquired skills and achieved objectives: Writing of scientific papers in English for publication on international scientific journals. Software knowledge in NMR experiments programming and implementing.
Digital image processing (NMR digital imaging).
Complex data processing of NMR Diffusion.
Matlab skills for scientific data elaboration.
Elaboration, synthesis and exposure of phisical complex data to a non-expert public (data analyst).
Development of new experimental protocols.
Scientific research.
NMR protocols for the characterization of archaeological woods by non-invasive analysis.
Diagnosis of wood microstructure by diffusion,imaging and spectroscopy in Nuclear Magnetic Resonance.
Employed as: intern/trainee - undergraduate internship | Number of hours: 1500

Undergraduate Internship
CNR (CONSIGLIO NAZIONALE DELLE RICERCHE)
Education, training, research and development
ROMA (RM)
04/2016 - 09/2016

Main activities and responsibilities: software development of new protocols for the acquisition of digital images in nuclear magnetic resonance on wooden materials
Acquired skills and achieved objectives: use of digital imaging software,knowledge of NMR instruments working,writing of texts in scientific language
Employed as: intern/trainee - undergraduate internship | Number of hours: 300

Guida turistica in museo comunale
MUSEO DELLA PIETRA
Tourism
AUSONIA (FR)
01/2015 - 09/2015

Main activities and responsibilities: Tourist guide for museum visitors,study of the history of the place,exhibition design of works of art in the museum and propaganda activities
Acquired skills and achieved objectives: Communication with customers,acquisition of a suitable language for artworks presentation to visitors,skills of setting up a museum and a historical-artistic itinerary within it
Volunteer activities

other information

Currently employed: No
Registration at the employment office: Yes
Voluntary service: Yes
Work experience made during studies: Yes

ACADEMIC STUDIES

PH.D.
2019 - 2022
ONGOING STUDIES

Sapienza Università di Roma
Faculty: MATHEMATICAL, PHISYCS AND NATURAL SCIENCES
Phisics applied to environment and cultural heritage
pHd cycle: 35

Expected graduation date: 2022

MASTER'S DEGREE
2016 - 2018
CERTIFIED TITLE

Sapienza Università di Roma
Facoltà di Scienze Matematiche Fisiche e Naturali
Scienze e tecnologie per la conservazione dei beni culturali
LM-11 - 2nd level degree in Science for consevation of cultural heritage

Dissertation/thesis title: STUDY OF WOOD MICROSTRUCTURES BY DIFFUSION AND MULTI-PARAMETRIC NUCLEAR MAGNETIC RESONANCE | Dissertation/thesis subject: METODOLOGIE FISICHE PER I BENI CULTURALI | Thesis supervisor: CAPUANI SILVIA | Dissertation/thesis keywords: DIFFUSION, IMAGING, MICRO-IMAGING, WOOD, RELAXATION TIMES, NON-INVASIVE

Age at graduation: 24 | Official duration: 2 years
Final degree mark: **110/110 cum laude**
Graduation date: 13/12/2018

BACHELOR'S DEGREE
2013 - 2016
CERTIFIED TITLE

Sapienza Università di Roma
Facoltà di Scienze Matematiche Fisiche e Naturali
Tecnologie per la conservazione e il restauro dei beni culturali
specific field of the degree course: fisica per i beni culturali
L-43 - 1st level degree in Diagnostics for the conservation of cultural heritage

Dissertation/thesis title: new imaging protocols in nuclear magnetic resonance for the study of wood microstructure | Dissertation/thesis subject: METODOLOGIE FISICHE PER I BENI CULTURALI | Thesis supervisor: CAPUANI SILVIA | Dissertation/thesis keywords: magnetic resonance, imaging, wood microstructure, first image

Age at graduation: 22 | Official duration: 3 years
Final degree mark: **110/110**
Graduation date: 29/09/2016

SCIENTIFIC CERTIFICATE
CASSINO
2013

Scientific High School
GIOACCHINO PELLECCHIA , CASSINO (FR)
School-leaving examination mark: **90/100**
Kind of secondary school diploma: Italian secondary school diploma

FOREIGN LANGUAGE SKILLS

DIPLOMAS AND CERTIFICATES

English Per la conoscenza di una lingua straniera- B1, Università La Sapienza, Jul 2016 , **Europass level B2**

INFORMATION TECHNOLOGY SKILLS

SOFTWARE APPLICATIONS

Matlab,Paravision, TopSpin, XWIN, Origin, Prospa, Excel, Javascript, Canva, Social Networks

PROFESSIONAL ACCOLADES AND AWARDS

COMPETITIONS
04/03/2019

TORNO SUBITO 2018
Lazio Region founded with 8000 euros my work-experience in Finland for six months where I worked on archaeologogical woods by using new NMR techniques in the NMR Research Unit of Oulu University.
www.tornosubito.laziodisu.it/bando-2018/

CONFERENCES AND SEMINARS

CONVENTIONS
05/06/2019

XLI Finnish NMR Symposium , University of Oulu , Rokua, Finland
The Finnish NMR symposium is the largest Finland-hosted conference for researchers in the field of nuclear magnetic resonance (NMR). The symposium serves as a place for internationally acknowledged leading scientists from Finland and abroad to present timely lectures on topics of NMR, magnetic resonance imaging (MRI) and related topics and their application in chemistry, biosciences and material sciences.
Character: Researcher
www.nmrsymposium.fi/2019/index.php

PUBLICATIONS

JOURNAL ARTICLES
2019

V. Stagno, F. Egizi, F. Corticelli, V. Morandi, F. Valle, S. Longo,
Porosity and microstructural features investigation of different wood species by diffusion NMR
Submitted to Microporous and Mesoporous Materials (Elsevier)

JOURNAL ARTICLES
2019

F. Egizi, S. Longo, M. G. Di Trani, V. Stagno, T. Gili, A. Daly, S. Capuani,
Submerged wood investigation by Magnetic Resonance Imaging clinical scanner
Submitted to Wood Science and Technology (Springer)