LEONARDO LAMANNA

CURRICULUM VITAE

dal 1994 Consorzio Interuniversitario AlmaLaurea
Un ponte fra Università e mondo del lavoro e delle professioni

FOREIGN LANGUAGE SKILLS

europass

MOTHER TONGUE(S): **Italian**

ENGLISH GOOD	B2	B2	C1	C1	B2
SPANISH LIMITED	A1	A1	A2	A1	A1

DIGITAL COMPETENCES

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

BASIC DIGITAL COMPETENCE
Operating systems Good
Programming languages Fair
Word processing Excellent
Electronic spreadsheet Excellent
Data base administrators Good
CAD skills Good
Internet skills Excellent
Data transmission networks Good
Multimedia Good

EXPECTATIONS AND FEATURES OF THE DESIRED JOB

INTENTION TO CONTINUE STUDIES: **Yes** /

ECONOMIC SECTOR: **1.** biomedicale / **2.** chemical-pharmaceutical industry / **3.** healthcare

CAREER FIELD: **1.** R&D and patents / **2.** Engineering and design / **3.** Management

AVAILABILITY FOR BUSINESS TRAVELS: **Yes, including relocation**

AVAILABILITY TO RELOCATE ABROAD: **Yes, even in non-European countries**

WORK EXPERIENCES

PostDoc
ISTITUTO ITALIANO DI TECNOLOGIA
Education, training, research and development
01/2020 - TODAY

Main activities and responsibilities: Design, fabrication and characterization of devices for wearable, implantable and IoT biosensors.
Employed as: other - fixed-length contract | Company sector: Engineering and design

R&D
GELESIS
Biomedicale
CALIMERA (LE)
06/2016 - 12/2016

Main activities and responsibilities: Material characterization (rheological and swelling test) and evaluation of DDI (drug device interaction).
Employed as: other - fixed-length contract | Company sector: R&D and patents

Undergraduate Internship
UNIVERSITÀ DEL SALENTO
Education, training, research and development
09/2015 - 04/2016

Main activities and responsibilities: Synthesis and characterization of alginate-based microsphere for smart probiotic delivery.
Employed as: intern/trainee - undergraduate internship | Number of hours: 850 | Company sector: Engineering and design

Waiter and chef assistant
RESTAURANTS
Commerce, hotels, public activities (chemists shop included)
01/2007 - 01/2016

Main activities and responsibilities: catering-related activities
Employed as: other - fixed-length contract

Undergraduate Internship
DIP. DI BIOLOGIA E CHIMICA AGRO-FORESTAL
Education, training, research and development
10/2012 - 03/2013

Main activities and responsibilities: ISOLATION AND CHARACTERIZATION OF THE GSE-B1 GENE FOR GLUTAMINE SYNTHETASE IN WHEAT
Employed as: intern/trainee - undergraduate internship | Number of hours: 180

ACADEMIC STUDIES

PH.D.
2015 - 2020
ONGOING STUDIES

Università del SALENTO
Dottorato di ricerca in ingegneria dei materiali e delle strutture e nanotecnologie
specific field of the degree course: ingengeria
pHd cycle: 32

Dissertation/thesis title: Flexible SAW device for IoHT application | Thesis supervisor: Massimo De Vittorio | Dissertation/thesis keywords: Acoustic devices, biosensors

Expected graduation date: 04/2020

MASTER'S DEGREE
2013 - 2016
CERTIFIED TITLE

Università del SALENTO
Dipartimento di Scienze e Tecnologie Biologiche ed Ambientali
Biotecnologie mediche e nanobiotecnologie
LM-9 - 2nd level degree in Pharmaceutical, veterinary and medical biotechnologies

Dissertation/thesis title: synthesis and characterization of alginate-based microbeads for probiotic delivery | Dissertation/thesis subject: INGEGNERIA TISSUTALE E SCIENZA E TECNOLOGIE DEI BIOMATERIALI | Thesis supervisor: SANNINO ALESSANDRO|DEMITRI CHRISTIAN

Age at graduation: 28 | Official duration: 2 years
Final degree mark: **110/110 cum laude**

Graduation date: 12/04/2016

BACHELOR'S DEGREE
2007 - 2013
CERTIFIED TITLE

Università degli Studi di BARI
Dipartimento di Bioscienze, Biotecnologie e Biofarmaceutica
Biotecnologie per l'innovazione di processi e di prodotti
1 - Class of second level degree in Biotechnologies
Dissertation/thesis title: ISOLATION AND CHARACTERIZATION OF THE GSE-B1 GENE FOR GLUTAMINE SYNTHETASE IN WHEAT | Dissertation/thesis subject: BIOTECNOLOGIE GENETICHE E VEGETALI | Thesis supervisor: BLANCO ANTONIO
Age at graduation: 24 | Official duration: 3 years
Final degree mark: **91/110**
Graduation date: 06/03/2013

LEVEL-2 ACADEMIC DIPLOMA
1999
STUDIES NOT COMPLETED

Conservatorio di Musica "Nino Rota" di Monopoli
Course of study: cello
Last academic year of enrolment: 2006
Total number of exams passed: 5

SCIENTIFIC CERTIFICATE
MOLA DI BARI
2007

Scientific High School
'E. MAJORANA' , MOLA DI BARI (BA)
School-leaving examination mark: **90/100**
Kind of secondary school diploma: Italian secondary school diploma

OTHER POSTGRADUATE STUDIES

2017 - 2018

24 CFU per concorso scuola
Università del SALENTO
(Italia)
24 CFU in disciplines anthropo-psycho-pedagogical, and educational methods and technologies

FOREIGN LANGUAGE SKILLS

DIPLOMAS AND CERTIFICATES

English Lingua inglese CLA, Università del Salento, 03 Jul 2017 , **Europass level B2**

INFORMATION TECHNOLOGY SKILLS

SOFTWARE APPLICATIONS

OFFICE, ORIGIN, COMSOL, CLEWIN, BLENDER, MATLAB, PYTHON

STUDIES AND EXPERIENCES ABROAD

UNITED STATES OF AMERICA
2019

Other experience acknowledged by the course of study (Scholar)
Place: **Tampa (United States of America)** | Language: English | Duration: 6 (months)
Development of flexible SAW device for biosensing application

UNITED KINGDOM
2011

Place: **Londra (United Kingdom)** | Language: English | Duration: 5 (months)
Working experience as a waiter at 'The Don - Tower bridge'

PROFESSIONAL ACCOLADES AND AWARDS

PRIZE

Light Interaction with AlN-Based SAW Device Fabricated on Flexible

2019

and Silicon Substrate
Grading in list: 1st Place Best Poster Award
ieee-sensors2019.org/

ENROLLMENT IN THE PROFESSIONAL REGISTER
2016

Biologist

CONFERENCES AND SEMINARS

CONFERENCES
28/10/2019

Light Interaction with AlN-Based SAW Device Fabricated on Flexible and Silicon Substrate , Montreal
IEEE sensor conference
ieee-sensors2019.org/

WORKSHOPS
26/09/2019

Characterization and application of aluminum nitride-based flexible surface acoustic wave devices on polyethylene naphth , Università del Salento , LECCE
Oral presentation in 'LEbiotech 2019', event within of European Biotech week.

CONFERENCES
23/09/2019

Fabrication of a flexible meander antenna for SAW remote sensing applications , Rhodes - Greece
This work focuses on the manufacturing of an antenna on flexible substrates with total thickness of the order of hundreds of microns and skin-like compliance. The integration of the antennas to a piezoelectric Surface Acoustic Wave (SAW)-based device is expected to pave the way for a new class of battery-less device for health parameters monitoring.
www.mne2019.org/

CONFERENCES
08/07/2019

AlN-Based Flexible Surface Acoustic Wave Devices Fabricated on Transparent Polyethylene Naphthalate for Wearable Sensing , Seattle - Washington
www.mrs.org/icns-13

WORKSHOPS
11/10/2017

School of nanomedicine , PoliBA , BARI

PUBLICATIONS

JOURNAL ARTICLES
2020

Lamanna, Rizzi, De Vittorio & Bhethanabotla, Light interaction with AlN-based SAW device fabricated on flexible and silicon substrate
Review: IEEE sensor
doi.org/10.1109/SENSORS43011.2019.8956526

ABSTRACT/REPLY/COMMENTS
2019

Lamanna, Rizzi, Das, Li, Bhethanabotla & De Vittorio, Characterization and Application of Aluminum Nitride-Based Flexible SAW Devices on Thermoplastic Polyethylene Naphthalat
Review: AIChE
aiche.confex.com/aiche/2019/meetingapp.cgi/Pap…

JOURNAL ARTICLES
2019

Lamanna, Rizzi, Guido, Algieri, Marras, Mastronardi, Qualtieri, De Vittorio, Flexible and Transparent Aluminum-Nitride-Based Surface-Acoustic-Wave Device on Polymeric Polyethylene Naphthalate
Review: Advanced Electronic Materials
doi.org/10.1002/aelm.201900095

JOURNAL ARTICLES
2018

Lamanna , Rizzi ,Demitri, Pisanello , Scarpa , Qualtieri , Sannino & De Vittorio, Determination of absorption and structural properties of cellulose-based hydrogel via ultrasonic pulse-echo time-of-flig
Review: Cellulose
doi.org/10.1007/s10570-018-1874-4

JOURNAL ARTICLES
2017

Demitri, Lamanna, De Benedetto, Damiano, Cappello, Siculella, Sannino, Encapsulation of Lactobacillus kefiri in alginate microbeads using a double novel aerosol technique
Review: Materials Science and Engineering: C

doi.org/10.1016/j.msec.2017.04.010

ABSTRACT/REPLY/COMMENTS
2016

Demitri, Lamanna, Damiano, Siculella, Sannino, ENCAPSULATION OF PROBIOTICS IN ALGINATE MICROBEADS
Review: Journal of Applied Biomaterials and Functional Materials
journals.sagepub.com/doi/pdf/10.5301/jabfm.500…

ABSTRACT/REPLY/COMMENTS
2012

Giancaspro, Nigro, Marcotuli, Lamanna, Gadaleta, Blanco, Isolation and characterization of cytosolic glutamine synthetase (GSe) genes in durum wheat
Review: Proceedings of the 56th Italian Society of Agricultural Genetics Annual Congress
www.geneticagraria.it/attachment/SIGA_2012/6_07.…

TEACHING ACTIVITIES

LESSONS/LECTURES
2018

ITS Biotecnologie Piemonte , Ivrea - Bioindustry Park
WEARABLE DEVICE: una tecnologia per il benessere della persona
Main Professor: Dott.sa Anna Maria Forlenza
Character: Docente

PERSONAL PRESENTATION

I consider myself a sociable, dynamic, willing to learn. I'm used to working in a team and meeting deadlines. I have a good predisposition for social relations and intercultural exchanges. My passions include music, cinema, and chess.

Dichiaro di essere consapevole delle responsabilità penali e degli effetti amministrativi derivanti dalla falsità in atti e dalle dichiarazioni mendaci (così come previsto dagli artt. 75 e 76 del D.P.R. n. 445 del 28.12.2000), ai sensi e per gli effetti di cui agli artt. 46 e 47 del medesimo D.P.R. n. 445 del 28.12.2000

01/04/2020