



Europass Curriculum Vitae

Personal information

First name / Surname **Alessandro Mustazzolu**

Address

Telephones

E-mail

Nationality

Date of birth

Gender

Work experience

Dates Dec 2018 – to date

Occupation or position held Technical operator

Main activities and responsibilities Scientific communication

Name and address of employer Dr. Paola De Castro- Scientific Communication Service- Istituto Superiore di Sanità (ISS)- Viale Regina Elena 299, 00161 Rome Italy

Type of business or sector The major research and scientific- support centre for public health in Italy

Dates 17 Dec 2016 – Dec 2018

Occupation or position held Technical operator

Main activities and responsibilities Surveillance of *Mycobacterium tuberculosis* antibiotic resistance.

Name and address of employer Dr. Lanfranco Fattorini- Department of Infectious, Parasitic & Immune-mediated Diseases- Istituto Superiore di Sanità (ISS)- Viale Regina Elena 299, 00161 Rome Italy

Type of business or sector The major research and scientific- support centre for public health in Italy

Dates 01 Jan 2012 – to 17 Dec 2014

Occupation or position held Research fellow

Main activities and responsibilities Surveillance of *Mycobacterium tuberculosis* antibiotic resistance.

Name and address of employer Dr. Lanfranco Fattorini- Department of Infectious, Parasitic & Immune-mediated Diseases- Istituto Superiore di Sanità (ISS)- Viale Regina Elena 299, 00161 Rome Italy

Type of business or sector The major research and scientific- support centre for public health in Italy

Dates 22 Jun 2009 – 31 Dec 2011

Occupation or position held Professional consultant in mycobacteriology laboratory

Main activities and responsibilities Surveillance of *Mycobacterium tuberculosis* antibiotic resistance through phenotypical (grow in 7H10 and liquid medium, first and second line antibiotic resistance tests (by BACTEC™ MGIT™ interfaced with software EpiCenter equipped with TB exist module) and genotypical (GenoType® MTBDRplus and probes) techniques.

Name and address of employer	Dott. Lanfranco Fattorini- Department of Infectious, parasitic & Immune- mediated Diseases- Istituto Superiore di Sanità (ISS)- Viale Regina Elena 299, 00161 Rome Italy
Type of business or sector	The major research and scientific- support centre for public health in Italy
Dates	1 Oct 08 – today
Occupation or position held	Biologist in veterinary laboratory
Main activities and responsibilities	Diagnostic tests on horses, dogs and cats as complete blood cells counts, E.L.I.S.A. (FIV and FELV assays) and immune-fluorescence techniques to check antibodies titles against major infect animals infecting pathogens.
Name and address of employer	Dott. Michele Sementilli -C.R.S. analysis- Via Capo soprano 9, 00122 Rome Italy
Type of business or sector	Diagnostic in animal Health
Dates	1 Nov 08 - 1 Jul 09
Occupation or position held	Teacher
Main activities and responsibilities	Teaching Biology, Hygiene and Nutrition in a high school.
Name and address of employer	Dean Olga Sacconi – Ugo Foscolo school- via delle baleniere 70, 00121 Rome Italy
Type of business or sector	Private high school
Dates	24 Jan 06 - 1 Jul 09
Occupation or position held	Hospital internship
Main activities and responsibilities	Isolation and typing techniques of microbes, fungi and parasites, Microbiological analyses of food through Hazard Analysis and Critical Points (HACCP) protocols. Studying of hospital infection (enterococcal species) at San Camillo- Forlanini through as PCR and Pulsed Field Gel Electrophoresis (PFGE).
Name and address of employer	Dr. Mirella Tronci, Microbiological and Virological laboratory of San Camillo- Forlanini Hospital, Piazza Carlo Forlanini 1, 00151 Rome Italy
Type of business or sector	Hospital of national relevance
Dates	24 Sep 05 - 23 Jan 06
Occupation or position held	Internship in diagnostic laboratory
Main activities and responsibilities	Acquisition of the most common human laboratory diagnostic techniques: blood cells counts, microscopic examinations of blood, urine and faeces, biochemical assays on serum and plasma, electrophoresis of serum proteins, isolation and typing techniques of microbes, fungi and parasites.
Name and address of employer	Dr. Marino - Marilab diagnostic center- Via Alfredo Zambrini n. 14, 00121 Rome Italy
Education	
Dates	July 2016
Title of qualification awarded	Microbiologist
Name and type of organisation providing education and training	University “LaSapienza”, Rome
Level in national or international classification	60/60 with honours

10 Sep 02 - 20 May 08

Title of qualification awarded
Principal subjects / occupational skills covered

Specialist Degree in Biology applied to bio-medical research

Deep scientific and operative preparation in: microbiology, virology, molecular biology, parasitology, hygiene, biotechnology, genetics, pathology, immunology and pharmacology, particularly focused to the methodological aspects of biomedical and industrial sectors. Thesis: "Genotypical and phenotypical characterization of Vancomycin Resistant Enterococci (VRE) isolated in an Italian hospital". External supervisor Dr Mirella Tronci, internal supervisor Prof Mariassunta Casalino.

Name and type of organisation providing education and training

University "Roma Tre", Departments of Mathematics, Physics and Natural Sciences- Viale Marconi 446, 00146 Rome Italy

Level in national or international classification

Master's Degree, 110/110 with honours

Personal skills and competences

Other language(s)

English

Self-assessment

European level (*)

English

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B1	Independent user	C1	Independent user	B1	Independent user	B1	Independent user	B1	Independent user

(*) Common European Framework of Reference (CEF) level

http://www.coe.int/T/DG4/Portfolio/?M=/main_pages/levels.htm

Scientific works

Fighting tuberculosis by drugs targeting nonreplicating *Mycobacterium tuberculosis* bacilli
International Journal of Mycobacteriology. DOI: 10.4103/ijmy.ijmy-85-17

Trend in rifampicin-, multidrug- and extensively drug-resistant tuberculosis in Italy, 2009-2016.
Eur Respir J. DOI: 10.1183/13993003.00070-2018

Improved bactec MGIT 960 pyrazinamide test decreases detection of false *mycobacterium tuberculosis* pyrazinamide resistance Journal of Clinical Microbiology

A Rapid Unraveling of the Activity and Antibiotic Susceptibility of Mycobacteria.
Antimicrob Agents Chemother. DOI:10.1128/AAC.02194-18

Revisiting problems and solutions to decrease *Mycobacterium tuberculosis* pyrazinamide false resistance when using the Bactec MGIT 960 system. *Ann Ist Super Sanita*.
DOI:10.4415/ANN_19_01_09

***Mycobacterium tuberculosis* is selectively killed by rifampin and rifapentine in hypoxia at neutral pH** Antimicrobial Agents and Chemotherapy DOI: 10.1128/AAC.02296-16

Activity of drugs against dormant *Mycobacterium tuberculosis*
International Journal of Mycobacteriology DOI: 10.1016/j.ijmyco.2016.09.061

Drug-resistant tuberculosis in Naples, 2008-2013
Annali dell'Istituto superiore di sanita DOI: 10.4415/ANN_16_04_23

***Mycobacterium tuberculosis* gene expression at different stages of hypoxia-induced dormancy and upon resuscitation**
Journal of Microbiology DOI: 10.1007/s12275-016-6150-4

Pyrazinamide susceptibility testing: Proposed new standard with the BACTECTM MGITM 960

systemInternational Journal of Tuberculosis and Lung Disease DOI: 10.5588/ijtld.16.0360

Tuberculosis in migrants from 106 countries to Italy, 2008-2014

European Respiratory Journal DOI: 10.1183/13993003.01844-2015

Rifampin induces hydroxyl radical formation in *Mycobacterium tuberculosis*

Antimicrobial Agents and Chemotherapy DOI: 10.1128/AAC.03169-14

Activities of drug combinations against *mycobacterium tuberculosis* grown in aerobic and hypoxic acidic conditions Antimicrobial Agents and Chemotherapy DOI: 10.1128/AAC.02154-12

Prevention of false resistance results obtained in testing the susceptibility of *Mycobacterium tuberculosis* to pyrazinamide with the bactec MGIT 960 system using a reduced inoculum

Journal of Clinical Microbiology DOI: 10.1128/JCM.01838-12

Targeting dormant bacilli to fight tuberculosis.Mediterranean

Journal of Hematology and Infectious Diseases DOI: 10.4084/mjhid.2013.072

Drug-resistant tuberculosis among foreign-born persons in Italy

European Respiratory Journal DOI: 10.1183/09031936.00021012

Proficiency testing of first- and second-line anti-tuberculosis drugs in Italy

European Respiratory Journal DOI: 10.1183/09031936.00129011

Social skills and competences	Great ability to teamwork
Organisational skills and competences	Good ability to perform laboratory methods
Technical skills and competences	Techniques of isolation and typing of common germs, <i>Mycobacterium tuberculosis</i> , fungi and parasites, teaching and communication competences.
Computer skills and competences	O.S.: Windows (excellent), macOS (excellent), Unix (medium).
Driving licence(s)	B
Additional information	Member of Ordine Nazionale Dei Biologi (number: 059777) Lifeguard license FIN B.L.S. and B.L.S.D.-D. license

Autorizzo al trattamento dei miei dati personali ai sensi del Reg. EU 679/2016 e ai fini della pubblicazione

Alessandro Mustazzolu