

CURRICULUM VITAE



PERSONAL INFORMATION

Name	Battistini Beatrice
Address	Via Selinunte, 49, 00174, Rome, Italy
Telephon	+39 3391623385
E-mail	beatrice.battistini@iss.it
Nationality	Italian
Date of Birth	01 January 1993

WORK EXPERIENCE

- | | |
|---|---|
| <ul style="list-style-type: none">• Dates (from – to) | 01/04/2024-to date |
| <ul style="list-style-type: none">• Name and address of the employer | Italian National Institute of Health (ISS), Viale Regina Elena 299, Rome, Italy |
| <ul style="list-style-type: none"><ul style="list-style-type: none">• Type of business or sector | Department of Environment and Health |
| <ul style="list-style-type: none"><ul style="list-style-type: none">• Occupation or position held | Scholarship |
| <ul style="list-style-type: none">• Main activities and responsibilities | Development of <i>in vitro</i> skin barrier protocols for the assessment of nanomaterial absorption through human skin (Franz cells and Multi In Vitro Organ system, MIVO); application to various cosmetic products, such as sunscreens, scrubs, toothpastes, and facial cleansers; study of nanomaterial release from these products into the environment; use of a combination of analytical techniques, such as Single Particle ICP-MS, DLS/Zeta Potential, and the coupled AF4-MALS-UV-ICP-MS techniques for nanomaterial characterization |
| <ul style="list-style-type: none">• Dates (from – to) | 01/04/2022-31/03/2024 |
| <ul style="list-style-type: none">• Name and address of the employer | Italian National Institute of Health (ISS), Viale Regina Elena 299, Rome, Italy |
| <ul style="list-style-type: none"><ul style="list-style-type: none">• Type of business or sector | Department of Environment and Health |
| <ul style="list-style-type: none"><ul style="list-style-type: none">• Occupation or position held | Scholarship |
| <ul style="list-style-type: none">• Main activities and responsibilities | In-vivo study of metals and metal nanoparticles in the blood and urine of subjects before and after laser tattoo removal through advanced analytical techniques based on inorganic mass spectrometry (such as iCAP-Q ICP-MS, single particle ICP-MS, AF4-ICP-MS) and ex-vivo study on tattooed skin explant samples subjected to laser source |
| <ul style="list-style-type: none">• Dates (from – to) | 01/11/2020-to date |
| <ul style="list-style-type: none">• Name and address of the employer | University of Rome "Tor Vergata", Via Montpellier 1, Rome, Italy |
| <ul style="list-style-type: none"><ul style="list-style-type: none">• Type of business or sector | Department of Biomedicine and Prevention, Medicine and Surgery |
| <ul style="list-style-type: none"><ul style="list-style-type: none">• Occupation or position held | PhD |
| <ul style="list-style-type: none">• Main activities and responsibilities | Human biomonitoring of metals in different biological matrices (blood, plasma, bone and muscle) in patients with neurodegenerative or bone diseases compared to healthy subjects using iCAP-Q ICP-MS, in order to evaluate the role of metals as possible risk factors in the develop and progression of disease. |
| <ul style="list-style-type: none">• Dates (from – to) | 01/11/2019-31/12/2019 |
| <ul style="list-style-type: none">• Name and address of the employer | Istituto Dermatopatico dell'Immacolata (IDI), Via dei Monti di Creta 104, Rome, Italy |
| <ul style="list-style-type: none"><ul style="list-style-type: none">• Type of business or sector | Experimental Immunology Laboratory |
| <ul style="list-style-type: none"><ul style="list-style-type: none">• Occupation or position held | Scholarship |
| <ul style="list-style-type: none">• Main activities and responsibilities | Analysis of vascular endothelial growth factor-C (VEGF-C) as a biomarker of the lymph node metastases presence in patients with cutaneous melanoma by immunohistochemistry |

EDUCATION AND TRAINING

- | | |
|---|--|
| <ul style="list-style-type: none">• Dates (from – to) | 01/11/2020-to date |
| <ul style="list-style-type: none">• Name and type of organisation | University of Rome "Tor Vergata", Via Montpellier 1, Rome, Italy |

<ul style="list-style-type: none"> providing education and training Principal subjects/occupational skills covered <ul style="list-style-type: none"> Title of qualification awarded Level in national or international classification (if relevant) 	<p>Nursing sciences and public health</p> <p>82/100 (first in ranking)</p> <p>PhD</p>
<ul style="list-style-type: none"> Dates (from – to) Name and type of organisation providing education and training Principal subjects/occupational skills covered <ul style="list-style-type: none"> Title of qualification awarded Level in national or international classification (if relevant) 	<p>07/09/2019</p> <p>University of Rome "La Sapienza", Piazzale Aldo Moro, 5, 00185 Rome, Italy</p> <p>Qualification for the profession of pharmacist.</p> <p>250/250</p> <p>Licence to engage in professional practice</p>
<ul style="list-style-type: none"> Level in national or international classification (if relevant) Dates (from – to) Name and type of organisation providing education and training Principal subjects/occupational skills covered Level in national or international classification (if relevant) 	<p>Postgraduate</p> <p>27/05/2019-25/10/2019</p> <p>Experimental Immunology Laboratory, Istituto Dermopatico dell'Immacolata (IDI), Via dei Monti di Creta 104, Rome, Italy</p> <p>Accumulation and distribution assessment of tattoo ink in dermis and detection of an inflammatory process by histological analysis; immunohistochemical analysis to estimate the tissue damage in the tattooed areas</p> <p>Postgraduate</p>
<ul style="list-style-type: none"> Dates (from – to) Name and type of organisation providing education and training Principal subjects/occupational skills covered <ul style="list-style-type: none"> Title of qualification awarded Level in national or international classification (if relevant) 	<p>22/01/2019</p> <p>University of Rome "La Sapienza", Piazzale Aldo Moro, 5, 00185 Rome, Italy</p> <p>Degree in pharmaceutical chemistry and technology (LM-13) developing a project entitled: "Nanoparticelle di metallo in inchiostri per tatuaggi: caratterizzazione chimico-fisica e preliminare valutazione della tossicità in vitro"</p> <p>110/110 and price</p> <p>Master's Degree</p>
<ul style="list-style-type: none"> Dates (from – to) Name and type of organisation providing education and training Principal subjects/occupational skills covered Level in national or international classification (if relevant) 	<p>11/2017-01/2019</p> <p>Department of Environment and Health, Italian National Institute of Health (ISS), Viale Regina Elena 299, Rome, Italy</p> <p>Qualitative/quantitative and size analysis of metals and metal nanoparticles in tattoo inks by inductively coupled plasma mass spectrometry (ICAP-Q ICP-MS, Single Particle ICP-MS), coupled separation techniques with ICP-MS (AF4 -MALS-UV / DAD-ICP-MS) and batch techniques (DLS). In-vitro cytotoxicity studies (MTS) of metal nanoparticles on different cell lines (HaCaT and fibroblasts). Evaluation of the diffusion and skin permeation of metal nanoparticles in-vitro on synthetic membrane (Franz cells) and in ex-vivo on skin explants, SP-ICP-MS and immunohistochemical analysis (in collaboration with the IDI)</p> <p>Degree project</p>
<ul style="list-style-type: none"> Dates (from – to) Name and type of organisation providing education and training Principal subjects/occupational skills covered <ul style="list-style-type: none"> Livello nella classificazione nazionale (se pertinente) 	<p>12/2016-06/2017</p> <p>"Stilicone" Pharmacy</p> <p>Experience aimed at developing the fundamental practical-professional knowledge of the Pharmacist profession.</p> <p>Pre-graduate internship</p>

- Dates (from – to) 2007-2012
- Name and type of organisation providing education and training High School "Bertrand Russell"
- Principal subjects/occupational skills covered Scientific high school diploma
- Title of qualification awarded 85/100
- Level in national or international classification (if relevant) High school diploma

PERSONAL SKILLS AND COMPETENCES

Acquired in the course of life and career but not necessarily covered by formal certificates and diplomas

Communication and scientific dissemination skills developed through participation in research projects and research presentation at national and international conferences

FIRST LANGUAGE Italian

OTHER LANGUAGES English

- Reading ability Good
- Writing ability Good
- Oral ability Good

OTHER LANGUAGES French

- Reading ability Scholastic
- Writing ability Scholastic
- Oral ability Scholastic

TECHNICAL SKILLS AND COMPETENCES
With computers, specific kinds of equipment, machinery, etc.

Good knowledge of software for statistical data analysis (SPSS, GraphPad, ExcelStat) and programs for word processing, spreadsheets, presentations, graphics and drawings (Photoshop).

Good knowledge of metal analysis techniques (ICAP-Q ICP-MS), chemical-physical characterization of nanomaterials (DLS, Single Particle ICP-MS, AF4-MALS-UV/DAD-ICP-MS), chemical speciation techniques (analysis of As and Cr species by Ion Chromatography-ICP-MS), and fundamentals of cell culture, histology and immunohistochemistry.

DRIVING LICENCE(S) B

PUBLICATIONS AND CONFERENCES To date, I have published 24 documents in scientific journals and conference proceedings, including 17 peer-reviewed articles (Orcid = 0000-0002-5847-2575, Scopus Author ID: 57212446356; H-index = 6).
I have presented the research activity in national and international conferences mainly in the field of human exposure to metals and nanomaterials, and analytical methods for the determination.

CITY Rome

DATES 23/07/2024

NAME AND SURNAME

.....Beatrice Bettistini.....

Autorizzo l'ISS e l'Associazione NanoInnovation al trattamento dei miei dati personali e la loro conservazione ai fini organizzativi e amministrativi, secondo quanto previsto dal Regolamento UE 2016/679

Beatrice Bettistini