





PERSONAL INFORMATION



Caratelli Veronica

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Sex Female | Date of birth 07/04/1993 | Nationality Italian

EDUCATION AND TRAINING

01/11/2018–Present

PhD in Chemistry

University of Rome "Tor Vergata"
Via della Ricerca Scientifica 1, 00133 Rome (Italy)

Development of screen-printed (bio)sensors for clinical, environmental and defence applications.

2015–2018

Master's Degree in Industrial Biotechnology

University of Rome "Tor Vergata"
Via della Ricerca Scientifica 1, 00133 Rome (Italy)

Final vote: 110/110

- Internship at the Chemistry Department ("Nanobiosensing lab" group)
- Title of thesis: *"Integrated multiple paper-based electrochemical biosensors for pesticide detection"*.

2012–2015

Bachelor's Degree in Biology

University of Rome "Tor Vergata"
Via della Ricerca Scientifica 1, 00133 Rome (Italy)

Final vote: 107/110

Intership at the molecular biology department focused on Western Blot analysis.

PERSONAL SKILLS

Mother tongue(s)

Italian

Foreign language(s)

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	C1	B2	B2	B2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills

Good communication skills gained from teaching assistant activities carried out during the PhD.

Job-related skills

- From 04/09/2017 to 17/07/2019 **Internship at ARPA Lazio agency**. Analytical methods for pesticides detection: Microextractions, AutoTrace SPE, Spe-Dex, HPLC-MS/MS, GC-MS/MS

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Independent user	Independent user	Independent user	Independent user	Proficient user

Digital skills - Self-assessment grid

- Advance skills (Office suite, Adobe Illustrator, Sigma Plot)

Driving licence

B

ADDITIONAL INFORMATION

Publications

- Bagheri, N., Cinti, S., **Caratelli, V.**, Massoud, R., Saraji, M., Moscone, D., Arduini, F. A 96-well wax printed Prussian Blue paper for the visual determination of cholinesterase activity in human serum. *Biosens. Bioelectron.* (2019) 134, pp. 97-102. (DOI: 10.1016/j.bios.2018.10.014).
- Arduini, F., Cinti, S., **Caratelli, V.**, Amendola, L., Palleschi, G., Moscone, D. Origami multiple paper-based electrochemical biosensors for pesticide detection. *Biosens. Bioelectron.* (2019) 126, pp. 346-354. (DOI: 10.1016/j.bios.2019.03.037).
- **The Ninth International Workshop on Biosensors 2019** - Erfoud, Marocco, 9-11 October 2019.
 - *Flower-like origami paper-based electrochemical device for the detection of pesticides (Oral Communication).*
- **XXVIII Congress of the Analytical Chemistry Division of the Italian Chemical Society (SCI 2019)** - Bari, Italy, 22-26 September 2019.
 - *An origami paper-based lab-on-a-chip for precision medicine in Alzheimer disease (Poster Session).*
 - *Paper-based electrochemical (bio)sensors for sustainable surface water monitoring (Poster Session).*
- **Smarter Catchment Monitoring, Cleaner Waters conference (INTCATCH 2019)** - LONDON, United Kingdom, 4-6 September 2019.
 - *Paper-based electrochemical (bio)sensors for sustainable surface water monitoring (Experimental demonstration).*
- **Chemistry meets Industry & Society (Chemistry for Secure Society Workshop, CIS 2019)** - Salerno, Italy, 28-30 August 2019.
 - *Antibody-free sensors for on site botulinum neurotoxin detection (Poster Session).*
- **3rd International Congress of CBRNE (Research and Innovation Conference, CBRNE 2019)**
 - Nantes, France, 20-23 May 2019.
 - *Paper-based aptasensor for on site botulinum neurotoxin detection (Poster Session).*
 - *Fully integrated paper based amperometric and potentiometric electrochemical sensing tool for nerve agent detection (Poster Session).*
- **2nd European Biosensor Symposium (EBS 2019)** - Firenze, Italy, 18-21 February 2019.
 - *An origami paper-based lab-on-a-chip for precision medicine in Alzheimer disease (Poster Session).*

Conferences and Congresses participations

Session).

- *Origami multiple paper-based electrochemical biosensors for pesticide detection in Brassicaceae plant waste (Poster Session).*

■ **Merck Young Chemists' Symposium (MYCS 2018)** - Rimini, Italy, 19-21 October 2018.

- *Origami multiple paper-based electrochemical biosensors for pesticide detection (Poster Session).*


Trattamento dei dati personali

Autorizzo il trattamento dei dati personali contenuti nel mio curriculum vitae in base all'art. 13 del D. Lgs. 196/2003 e all'art. 13 del Regolamento UE 2016/679 relativo alla protezione delle persone fisiche con riguardo al trattamento dei dati personali.

ATTACHMENTS

- attestato ARPA_Veronica_Caratelli.pdf

attestato ARPA_Veronica_Caratelli.pdf



ARPALAZIO
AGENZIA REGIONALE PROTEZIONE AMBIENTALE DEL LAZIO

Attestato n. 24 del 07 settembre 2018

Vista la convenzione stipulata in data 21/09/2016 e l'Università "Tor Vergata" di Roma in base alla quale Veronica Caratelli, nata a Roma il 07/04/1993, è stata ammessa presso le strutture dell'ARPA Lazio per un tirocinio formativo,

SI ATTESTA
che
Veronica Caratelli

nel periodo dal 04/09/2017 al 17/07/2018 ha svolto presso l'Unità chimica organica e inorganica di Roma un tirocinio formativo di 576 ore, ai sensi della legge 24 giugno 1997, n. 196, nel rispetto delle norme vigenti. Il tirocinio non costituisce rapporto di lavoro

Il dirigente dell'Area sistemi operativi
e gestione della conoscenza
Dott.ssa **LEDA BULTRINI**

