

# Alberta Piccolo

Nationality: Italian

Date of birth: 27/03/1992

## WORK EXPERIENCE

### Clinical Research Scientist

*Istituto Nazionale dei Tumori* [ 01/02/2022 – 31/01/2023 ]

City: Milan Country: Italy

- Coordination and design of several research projects active in Pathology department, regarding different cancer types and to improve innovative diagnostic technologies applications (e.g liquid biopsy)
- Analyst of pathological variants analysis, management of the results related to istitutional Molecular Tumor Board (MTB)
- Coordinating the figures taking part to the istitutional MTB
- Application of knowledge on documentation required in the Clinical Research field, in compliance with the Good Clinical Pratices (GCP) standard.
- Member of the Research team in the Translational Medicine field
- Structuring and organizing the project databases of the Pathology department at Istituto Nazionale Tumori
- Support and collaboration for writing projects and clinical studies protocol, to reach ambitious research purposes.
- Support on writing scientific papers.

### Medical device & IVD Product Specialist - R&D Department

*Callegari srl* [ 10/05/2019 – 31/01/2022 ]

City: Parma Country: Italy

- **Supervisor IVD medical device's project:** maintenance of its DHF, validation plans of software, reference instruments, chemical products and process.
- Supervisor for the writing, distribution, collection, storage, and maintenance of the device documentation (like all about technical file) compliance with reference regulations.
- Working on **R&D projects** and chemical - physical design of new devices, especially about blood analysis devices.
- Support the **Chemical Research Department** for the development of new test for the determination of different blood parameters, stability studies, calibrations and normalisation of methods used, test reports,
- Close cooperation with **Quality Department** for the compliance with reference regulation.
- Close Cooperation with the Sales/Marketing Department for the organization of events regarding customers.
- Support of the Customer Care office.

### Sales Technician and Installer of medical devices for in vitro diagnostics

*Callegari s.r.l* [ 05/06/2017 – 09/05/2019 ] Address: Parma (Italy)

**Training customers** to use **medical device** for the following blood test:

- lipid, oxidative, hepatic and hematic profiles.

Training to use cosmetic devices and urine tests.

**Customer care** and solving the main technical problems occurs.

Work together with R&D for the new devices and cooperate with others departments that be in contact with customers.

Management business trips

Planning business trips for other collagues

### Analyst at Bioscience Laboratory, Environment Biotechnology

*Prof. Nelson Marmioli* [ 10/01/2016 – 20/01/2017 ]

Address: Parco Area delle Scienze 11/A, Parma (Italy)

**Business or sector:** Professional, scientific and technical activities

Characterization of the **toxicology** profile of **nanomaterials**. Studies of the effects of CdS QDs and other

nanomaterials and nanoparticles on human cellular models; in particular, examining changes in the cellular **miRNA**. Participation to several toxicology studies concerning other models like as yeast and bacterial cultures, so refining methods yet used and learning news. Knowledge of database for the analysis in silica. Additional knowledge in **immunohistology/immunofluorescence and confocal microscopy** and **cytofluorimetric** analysis

### **Analyst at Molecular Biology Laboratory at University of Messina**

**Prof. Salvatore Campo** [ 10/01/2014 – 23/10/2014 ]

**Address:** Policlinico Universitario, Messina (Italy)

**Business or sector:** Professional, scientific and technical activities

Knowledge of **molecular biology techniques**, following and participating in research project about polymerase

IV, neurodegenerative disease as AD and sequencing animal mRNA.

### **EDUCATION AND TRAINING**

#### **Clinical Research Educational training (CRES) - Clinical trials of medicinal products**

**Clinical Research Educational Service** [ 06/03/2021 – 18/04/2021 ]

**Field(s) of study:** Clinical Research | Drug experimentation

**Link:** [https://www.icloud.com/iclouddrive/0u3utigbG2GzIqzC9Yc8TzjA#40\\_ORE\\_ATTESTATO\\_DI\\_PARTECIPAZIONE\\_ALBERTA\\_PICCOLO\\_signed](https://www.icloud.com/iclouddrive/0u3utigbG2GzIqzC9Yc8TzjA#40_ORE_ATTESTATO_DI_PARTECIPAZIONE_ALBERTA_PICCOLO_signed)

40 hours theoretical/practical course according to Italian ministry of health decree 15.11.2011

- Methodology and regulations of clinical trials
- Monitor responsibilities according to 5.18 paragraph Annex I of 01.07.1997 Italian Decree
- GCP and GMP with reference to the experimental drug
- Informed patient consent
- Pharmacovigilance
- Root Cause Analysis (RCA)
- Monitoring tasks
- Quality system and Quality Assurance
- Regulation (EU) N° 536/2014

#### **Master's degree medical, veterinary and pharmaceutical Biotechnology**

**University of Parma** [ 24/10/2014 – 12/12/2016 ]

**Address:** Parma (Italy)

**Final grade:** 110 cum laude – **Level in EQF:** EQF level 7

**Thesis:** “Role of microRNA in regulating response to CdS QDs in HepG2 cells “

General:

Additional knowledge of Prevention and Therapy Biotechnologies like Design of Biotechnological vaccines and Viral Vector, Biomolecular Structure and Dynamics, Interaction Drugs-Biomolecules, Diagnostics Infectious Diseases, Molecular Therapy, Prevention and Therapy of Neurological and Neurodegenerative Disease, Pharmacology and Cardiovascular Prevention.

#### **Bachelor's degree - Biotechnology**

**Policlinico Universitario G. Martino, facoltà di Biotecnologie** [ 20/09/2011 – 24/10/2014 ]

**Address:** Messina (Italy)

**Final grade:** 110 – **Level in EQF:** EQF level 6

**Thesis:** “Role of metalloproteinases 3 and 9 in vitro models of neuroinflammation”

General:

English, Knowledge of Biochemistry and Clinical Biochemistry, Analytical Organic and Inorganic Chemistry, Physical Chemistry, Pharmaceutical Biochemistry, Molecular Biology, Pharmacology, General and Molecular Pathology, Physiology, Histology and Histopathology, Genetics.

Occupational:

Laboratory techniques like **extration and purification of nucleic acids, PCR, gel electrophoresis**, Denaturing gradient gel electrophoresis (DGGE), Real Time PCR, Western Blotting, Cloning, cell culture system (eucaryotic and procaryotic), Gas cromatografy , HPLC, COMET assay, spectrophotometric acid nucleic quantification, mutation studies, restriction enzymes.

## **Graduated High School**

**Liceo Classico F. Maurolico** [ 14/09/2006 – 01/07/2011 ]

**Address:** Messina (Italy)

**Level in EQF:** EQF level 4

General knowledge, Italian Literature , English Literature, Math, Ancient History, Modern History, Geografy, Art, Chemistry, Biology, Latin, Greek.

## **LANGUAGE SKILLS**

Mother tongue(s): **Italian**

**Other language(s):**

**English**

**LISTENING B2 READING C1 WRITING C1**

**SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2**

## **DIGITAL SKILLS**

Microsoft Office / Social Media / Outlook / QMS quality system / System Management / REDCAP / Clinical Consultant / Familiar with databases and clinical research

## **RECOMMENDATIONS**

References: References available on request.

## **COMMUNICATION AND INTERPERSONAL SKILLS**

My working experience was also so significative for my personal formation and education. I acquired good communication skills and collaborative capacities. Therefore, I found out I am very approachable and positive person. I consider myself having a strong character for relationships.

Good team-leading, Project managment and planning skills.

o Individual and team work: initiative and great enthusiasm for work, self-motivation and positive attitude, organization, communication skills, empathy and emotional intelligence, innovation and creativity, critical thinking, analytical skills and problem-solving, adaptability, willingness to learn, leadership and mentoring, work well with colleagues, technicians, managers.

## **JOB-RELATED SKILLS**

During the time I have been spending at work I learnt a lot of the organizing company system, the **quality system management**, how the **IVD s & DMs** world works and how collect and manage the **technical documentation** concernig them. During the time that I spent into a laboratory I learnt a lot of techniques, expecially especially related to molecular biology, biochemistry and toxicology.It was very important for me, making a strong scientific background.

## **Experimental**

- General laboratory: use of common laboratory instruments (e.g. automatic pipettes, precision scale, pHmeter, centrifuge, ultracentrifuge, volumetric glassware, incubators, dark room, microtome, spectrofluorometer), media and buffer preparation, practice sterile techniques, use and wash/clean glassware, surgical instruments, multiple technique of sterilization (e.g. EtOH, UV light, ETO, filtration), database skills, organizational skills (e.g. experimental planning, laboratory layout).
- In vitro: primary and immortalized cell culture manipulation, cell seeding and growing on plate, cell counting (e.g. Burker chamber, cell counter), toxicity testing, vitality testing.
- Molecular biology techniques: western blot, enzyme-linked immunosorbent assays (ELISA), Polymerase chain reaction (PCR), Real Time PCR, gel electrophoresis, nucleic acid and protein quantification (e.g. DNA, RNA, collagen, glycosaminoglycan, elastin), immunohistochemistry and immunofluorescence.
- Microscopy: brightfield microscopy, fluorescence microscopy.

## **HONOURS AND AWARDS**

### **Senior Biologist Licence**

University of Bari [ 27/09/2022 ]

## **PUBLICATIONS**

### **Targeted RNA-sequencing analysis for fusion transcripts detection in tumor diagnostics: assessment of bioinformatic tools reliability in FFPE samples**

[2022]

Capone et al., Exploration of targeted anti-tumor therapy vol. 3,5 (2022): 582-597.

*I give consent to process my data with the purpose of the recruitment process, in accordance to the Regulation of the European Parliament 679/2016, regarding the protection of natural persons and free movement of such data*