
MARIANA CLAR

Master degree in Experimental Biomedical Research. University of Fribourg. Switzerland (2018)

University graduated in Biochemistry. Universidad Nacional del Sur. Argentina (2005)-University of Granada. Spain (2009)

Nationalities:
Italian/Spanish/Argentinian

Address:
Rue Jacques-Gachoud 8
(1700) Fribourg, Switzerland.
B permit since 2015

@ mclarbioq@gmail.com

[linkedin.com/in/mariana-clar-ch](https://www.linkedin.com/in/mariana-clar-ch)

 +41 079 931 1501

Professional experience

Biosample Laboratory Associate (BLA), Hoffmann La Roche – January 2020. Currently working on this role. Full-time (100%).

Sample Handling Laboratory

Management of clinical and non-clinical samples:

- Organizing shipments from Biological samples to internal and external analytical Labs.
- Handling with frozen biological samples (reception, storage, shipments, disposal).
- Samples tracking using SaLoMe and LIMS5 tracking Systems.

Sample processing Laboratory

-Aliquoting of clinical samples

-Molecular techniques : DNA/RNA extraction (Automated Isolation & Purification, MagNA Pure 96 Instrument), DNA/RNA quantification (PicoGreen, RiboGreen), DNA/RNA Normalization, PCR, RT-PCR.

Collection, processing and storage according to requirements for different samples types.

Utilization of variety of analytical platforms and instrumentation. Handling of LIMS (SAMI, SaLoME, LW5). Preparation of reports using Electronic Lab Notebooks (ELN).

Assistant research, University of Málaga –December 2012-December 2013

One-year research project in the Platform of Genomics, Proteomics and Genotyping under the supervision of Prof. D. Enrique Viguera Mínguez, regarding the detection of mutations genes BRCA1 and BRCA2 associated with hereditary breast and ovarian cancer.

The main techniques performed were DNA extraction, PCR, primer design and High resolution melting analysis (LightCycler® 480).

Sample processed: blood and tumour tissue.

Laboratory Technician, Clinical Laboratory BIOCLON, Málaga – June 2009- December 2009

I worked in the areas and techniques associated with, Biochemistry: Metabolic panel – comprehensive: chem-20, SMA-20, or SMAC-20 blood test; Haematology: CBC, ESR, Blood coagulation tests (Prothrombin time (PT or PT-INR), activated Partial Thromboplastin Time (aPTT) and Microbiology: microbiological diagnosis of human pathogens, antimicrobial susceptibility testing.

Sample preparing, submission, receipt, labelling, storing sample preparation and destruction.

Equipment maintenance, calibrations and general lab maintenance procedures. Internal and External quality control protocols. SOP's.

Samples processed: blood, plasm, serum, urine, feces, sputum, samples of nasal, pharyngeal, urethral and vaginal swabs. 80-150 samples/day.

LIMS. GLP.ISO 9001, ISO/IEC 17025.

Clinical Analyst, Hospital Regional Universitario Materno-Infantil Dr. Carlos Haya, Málaga – January 2005-September 2007

Long internship under the tutorship of Dr. Vidal Perez Valero. I carried out and improved my performance in the areas of immunohistochemistry analysis for tumoral markers, hormones, Hepatitis C and HIV, prenatal risk markers and allergies. I also performed biochemistry tests by Biochemist automated and Nephelometer assays.

Samples processed: blood, plasm, serum and urine. 600-800 samples/day.

Equipment maintenance, calibrations and general lab maintenance procedures. Internal and External quality control protocols. SOP's.

LIMS (Servolab Laboratory Information System by Siemens). GCP and GLP. ISO 15189 and ISO/IEC 17025.

Education

2016-2018 — Specialized Master in Experimental Biomedical Research: Infection, Inflammation and Cancer option. 90 ECTS. University of Fribourg, Faculty of Science and Medicine.(1700) Fribourg, Switzerland.

Master thesis was carried out under the supervision of PhD. Albert Santamaria-Martínez, Tumor Ecology Lab, and Prof. Curzio Rüegg, Chair of Pathology, Department of Oncology, Microbiology and Immunology (OMI) in Breast Cancer Stem Cells. Score: 5.5 /6.0

- Laboratory research techniques: DNA/ RNA treatment, isolation, quantification and amplification by PCR, qPCR, ddPCR, molecular cloning, primer design, *in Situ* Hybridization (ISH) and Fluorescence *in Situ* Hybridization (FISH), electrophoresis, chromatography, immunoassays (ELISA, RIA, ECLIA), flow cytometry (FACS analysis), IHC staining, cell culture, animal work.

2013 — Recognition of a foreign University degree in Biochemistry for work purposes by the Rectors' Conference of the Swiss Universities (CRUS.CH)- Bern, Switzerland.

2009 — Accredited as a University graduate in Biochemistry by the Spanish Ministry of Education and Science (Madrid, Spain) and University of Granada (Granada, Spain). Credential of Homologation 2008/H14715.

2006 — Accredited as a University graduate by the Spanish Ministry of Education and Science (Madrid, Spain). Credential of Homologation 2006/H03032.

2005 — Biochemistry. Universidad Nacional del Sur- Bahía Blanca- Buenos Aires- Argentina. 5 years duration. 340 ECTS. Score: 7.00/10.00.

Skills

- Spanish: native
- English: Fluent (B2)
- French: Fluent (B2)
- Computer skills: Microsoft Office (Word, Excel, Power Point), Mac OS X, RStudio, Prism 7, FlowJo, SnapGene, handling of database for scientific research (OMIM, GenBank, NCBI, Pubmed). LIMS: LW5, SaLoME, SAMI, JIRA management.
- I am a well-organized, rigorous, with a strong analytical mindset and excellent problem-solving skills, open minded/flexible, curious, tolerant, team player, good interpersonal skills to facilitate communication and assertive, with versatility and high adaptability capacity, autonomous, committed, dynamic, emphatic and pro-active person.