

Martina D'Angelo



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Date of birth 25/09/1988 | Nationality Italian

WORK EXPERIENCE

• March 2015 -present

Biomedical Laboratory Technologist,
Laboratory of Pathological Anatomy and Histology, "Ospedale Regina Apostolorum" (Albano Laziale-Rome).

Acquired Skills

- Molecular biology techniques
- DNA Extracion and purification
- PCR and Real time PCR
- Electrophoresis
- Hybridization
- VisionArray Chip Genotyping for HPV detection
- Evaluation of PD-L1 protein expression in lung tumors
- Evaluation of the hyper-expression of the HER-2 / neu proto-oncogene product
- Biology and molecular laboratory techniques:
F.I.S.H. analysis as a therapeutics Strategy for HER-2 / neu amplification located in the chromosomal region 17q12, and gene rearrangement ALK (tyrosine kinase receptor) qualitative detection of the translocations located in the 2p chromosomal region 23.1-p23.2 and ROS1 (ROS proto-oncogene 1, receptor tyrosine-chinasico) for the qualitative detection of the translocations located in the 6q22 chromosomal region, and detection of the human p16 gene as well as alpha-satellites of chromosomes 3, 7, and 17 for early diagnosis or therapeutic monitoring of bladder cancer

• May 2014-March 2015

Biomedical Laboratory Technologist
Laboratory of Pathological Anatomy and Histology "European Hospital" (Rome)

Acquired Skills

- Frozen histological section (examination/procedure) for intra-operative diagnosis in internal or associated clinics surgery.
- Cytological and histological laboratory techniques.
- Histochemistry and immunohistochemistry staining.

• August 2014-January 2015

Biomedical Laboratory Technologist Researcher
Laboratory of Pathological Anatomy and Histology
"Policlinico Campus Biomedico di Roma"

Projects

Aimed at optimizing immunohistochemistry techniques with identification of internal and external quality controls, with particular attention to management aspects of the improvements of these methods.

• April 2014-July 2014

Biomedical Laboratory Technologist Voluntary
Laboratory of Pathological Anatomy and Histology
"Policlinico Campus Biomedico di Roma"

Acquired Skills

- Cytological and histological laboratory techniques.
- Histochemistry and immunohistochemistry staining.
- Direct and indirect immunofluorescence tests
- Characterization of neoplasms evaluation of prognostic and immunohistochemical predictive factors.
- Electron microscopy and ultrastructural examinations.

• October 2010-November 2013

University Internship program "Ospedale San Camillo-Forlanini"
Laboratories of:
Medical Genetics, Cardio-respiratory Physiopathology, Microbiology, Clinical Biochemistry, Pharmacology, Pathological Anatomy and Histology, Transfusion and Collection Center for Stem Cells.

EDUCATION AND TRAINING

August 2020 **Biologist Specialist**
Professional qualification, University of Rome "Tor Vergata"

July 2018 **Medical Biotechnologist**
Master's Degree in Medical Biotechnology, Faculty of Medicine and Surgery of the University of Rome "Tor Vergata"
Thesis: " New technologies for the biomolecular characterization of thyroid carcinoma"

- Knowledge of biochemical, genetic and cellular aspects, of the physiopathology of the human organism and of the main methodologies that characterize molecular and cellular biotechnologies for diagnostic and research purposes.
- Application of bio-informatics methods for the organization, construction and access to databases, in particular genomics and proteomics.
- Skills in the field of biopharmaceuticals and vaccines, also from the point of view of industrial production.

November 2013 **Biomedical Laboratory Technologist**
Bachelor's Degree in Biomedical laboratory technology, Faculty of Medicine and Pharmacy, University of Rome "La Sapienza"
Thesis: "The role of the technician in the collection of umbilical cord blood, from HLA typing to cryopreservation".

- Independent management of analytical processes for different analysis techniques with laboratory safety principles and organization of biomedical laboratory activities.
- Deepening of advanced analytical knowledge and methods, promotion of health and safety at work, as well as management and health law.

PERSONAL SKILLS

Mother tongue Italian

Other language(s)

Replace with language

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B1	B1	B1	B1	B1
Way Stage III – Wall Street Institute				

Digital skills

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

- good command of office suite (word processor, spread sheet, presentation software)
- good command of computer systems and tools of laboratory

Driving licence B – A1

ADDITIONAL INFORMATION

- Publications**
- “Morphological and Molecular Assessment in Thyroid Cytology Using Cell- Capturing Scaffolds”
Stefania Scarpino, Silvia Taccogna, Giuseppina Pepe, Enrico Papini, Martina D'Angelo, Federica Cascone, Daniele Nicoletti, Rinaldo Guglielmi, Andrea Palermo, Marcella Trombetta, Alberto Rainer, Chiara Taffon, Anna Crescenzi
<https://pubmed.ncbi.nlm.nih.gov/32392586/>
 - “Desmoplastic Fibroblastoma (Collagenous Fibroma): A Case Report”,
Silvia Taccogna, Sara Ienzi, Iakov Molayem, Martina D'Angelo, Alessia Pagnotta, Basilio Lippi, Margherita Guarino, Herald Scholarly Open Access, 14/04/2020
 - “Nuove Tecnologie per la Caratterizzazione Biomolecolare del Carcinoma Tiroideo”, Italian Journal of Prevention, Diagnostic and Therapeutic Medicine. Copyright © 2018 Simedet. IJPDTM Vol 1. N°1. 2018, Martina D'Angelo, Roberto Virgili.
- Presentations**
- “Gestione del Rischio Clinico in Anatomia Patologica: Automazione e Tracking” Poster presentation, Forum Risk Management in Sanità 2018, Firenze
- Projects**
- Research studies by “CytoMatrix”, a synthetic matrix that above all has the property of capturing and preserving the primitive aspirative cells within a three-dimensional structure, optimizing the management of lacking biological material:
 - Study of mutational markers with IHC, FISH and PCR Real-Time in Thyroid Pathology: mutational expression BRAF (V600E) and NRAS (Q61R) for reducing the percentage of indeterminate cases;
 - Study of Myelodysplastic syndromes (MSD), characterized by cytogenetic abnormalities (as 5 / 5q, -7 / 7q, +8 and -20 / 20q) with diagnostic, prognostic and therapeutic significance. A major roadblock in molecular profiling of bony tissue is the lack of a suitable demineralization process that preserves tissue elements, so we used CytoMatrix for the property of capturing and preserving the cells of the bone marrow aspirate, treating it as a histological material with the associated investigations such as the FISH test.
 - Collaborator teaching secretary of the degree course in Biomedical Laboratory Techniques "B" Az. Osp. S. Camillo-Forlanini (2010-2013)
 - Member of the Technical Commission for educational pedagogical programming a.a. 2011-2012 Osp. S. Camillo-Forlanini

Courses • 2020

- "Health emergency from new SARS CoV-2 coronavirus: preparation and contrast"
- "Hodgkin's lymphoma"
- "The ketogenic diet: definition and clinical applications in the patient with excess weight"
- "Journey into the new Pathological Anatomy: from pre-analysis to the report" (Hotel San Francesco al monte, Napoli)
- "NSCLC: IMMUNOMARKERS & IMMUNOTHERAPY" (Policlinico Campus Biomedico di Roma)

• 2019

- "ASH IMAGES - SELF ASSESSMENT PROGRAM 2019, with the general educational / training objective: specific technical-professional contents of each profession, each specialization and each ultraspecialistic activity, including rare diseases and kind."
- "BLOOD ONLINE 2019 with the general educational / training objective: 1. Application in daily practice of the principles and procedures of evidence based practice (ebm - ebn - ebp)"
- "Protect from the flu with vaccination - II edition"
- "THE GELLI-WHITE LAW FROM THEORY TO PRACTICE. WORKING METHODOLOGIES "
- "Non luminal breast cancer, tissue markers and therapeutic strategies"(Policlinico Campus Biomedico di Roma)
- "The state of the art two years after the approval of the Gelli law", (Ospedale San Giovanni Battista, Roma)
- "3D technologies in medicine, present and future" (Ospedale pediatrico Bambino Gesù di Roma)
- "Risk management" (Ospedale Regina Apostolorum, Albano Laziale)
- "Protection and promotion of health in the first 1000 days of life"
- "Knowing and treating pain in children", (Ospedale pediatrico Bambino Gesù di Roma)
- "Evaluation of the technical-interpretative aspects of PD-L1 expression in patients with NSCLC lung cancer"
- "Luminal breast cancer: tissue markers and therapeutic strategies", (Policlinico Campus Biomedico di Roma)
- "Breast cancer, morphological and molecular classification", (Policlinico Campus Biomedico di Roma)
- "HPV which reality? Prevention, diagnosis and therapy ", Sora.
- Science & Life: "Genetic Editing, will we really all be perfect?", (Centro Congressi Auditorium Aurelia, Roma)
- "Responsibility for Privacy in Healthcare" (Ospedale Regina Apostolorum, Albano Laziale)
- "Cytomatrix the new frontier of the aspirate", (Policlinico Campus Biomedico di Roma)
- "The Biomedical Laboratory Technician: role of the professional, from training to core competence in the process and professional future departments" (Ospedale Tor Vergata di Roma)
- "EGFR in NSCLC and liquid biopsy - Clinical utility in molecular diagnostics"(Policlinico Universitario Campus Biomedico di Roma).

• 2018

- Basic Training on R.EU. 697/2016, Privacy Lab, (Ospedale Regina Apostolorum, Albano Laziale)
- "Technological Innovations and Health Care: New Challenges and New Opportunities in Medical Laboratory Diagnostics" (Ospedale pediatrico Bambino Gesù di Roma)
- "Evaluation of PD-L1 protein expression in lung tumors" (S.Andrea Hospital, Roma)
- "The technical management of renal biopsy: from sampling to diagnosis" (Policlinico Universitario Campus Biomedico di Roma).
- "Nodular thyroid pathology: focus on diagnostic approaches", Exposanità2018 Bologna.

• 2017

- "V Molecular Cytopathology: Focus in Next Generation Sequencing in Cytopathology" (Università degli Studi di Napoli Federico II).
- "Epithelial stem cells and Regenerative Medicine" dr. Michele de Luca (March 3, 2017).
- "National Conference on Professional Responsibility of Health Professions, Law n.24 of 2017" Ministry of Health (12 May 2017).

- Conference "Privacy, Cybersecurity and Digital Health, Policlinico Gemelli (21 June 2017)

• 2016

- "Training for Health Professions: evolution of the legal and economic role" Policlinico Universitario Campus Biomedico di Roma).
- "Theoretical and practical course of Molecular Pathology: technical and application aspects (Hotel San Francesco al Monte, Naples).

• 2014-2015

- "XXI National Course in Biomedical Laboratory Techniques" of Riccione with acquisition of in-depth theoretical-practical knowledge of immunohistochemistry both for the production and for the critical reading of the preparation. (Riccione)
- Training program and company certification on the general concepts of occupational health and safety following the risks and consequent preventive protection measures (Policlinico Universitario Campus Biomedico di Roma).
- Theoretical-Practical course in "Cytological and microhistological techniques for integrative investigations in thyroid pathology" Policlinico Campus Biomedico di Roma

• 2010-2013

- Member of the Quality Commission for the preparation of the RAV 2009-2011 model for the degree course in Biomedical Laboratory Techniques "B" Az. Osp. S. Camillo-Forlanini
- Collaborator teaching secretary of the degree course in Biomedical laboratory techniques "B" Az. Osp. S. Camillo-Forlanini
- Member of the Pedagogical Teaching Programming Technical Commission a.a. 2011-2012
- "Methodologies in the cytogenetics and molecular genetics laboratory", A.N.Te.L, March 2011
- "Anti-aging and aging hormones", ASTROCONGRESS, March 2012
- "Rare Diseases", Az. Osp. S.Camillo-Forlanini, April 2013

Il sottoscritto autorizza il trattamento dei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali".

Date 05/08/2020

Signature



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