

FORMATO EUROPEO
PER IL CURRICULUM
VITAE



PERSONAL DETAILS

First and family name

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Nationality

Italian

WORK EXPERIENCE

- **2023-** *Researcher*, Rheumatology Unit, Dept. Medical Science and Public Health, Cagliari University, Italy
- **2020-2024** *Trainee*, Scuola di Specializzazione in Patologia e Biochimica Clinica, University and AOU of Cagliari, Italy
- **2021-2023** *Freelance*_ professional services in the context of clinical trials, Rheumatology Unit, Azienda Ospedaliero Universitaria (AOU) di Cagliari, ss 554 bivio per Sestu, Monserrato (CA), Italy
- **2019-2020** *Post Doc position*_Project: "Molecular profiling and histologic analysis of well-characterised clinical phenotype subsets to reveal pathogenic mechanisms reflecting PsA heterogeneity and disease severity." Rheumatology Unit, Dept. Medical Science and Public Health, Cagliari University, Italy
- **2015-2019** *Research fellow*: "Consorzio Internazionale PEAC: meccanismi patogenetici nelle spondiloartriti" - Area 06 - Scienze Mediche - 06/D3. Rheumatology Unit, Dept. Medical Science and Public Health, Cagliari University, Italy
- **2012-2015** *Master & Back program*_Prot. n. 19171 del 04/10/2011_ Area 06 – Medical Science
• Nome e indirizzo del datore di lavoro
Project: "Ruolo dell'asse MET-HGF nella proliferazione di cellule progenitrici e nella genesi del carcinoma epatocellulare". Dept. Biomedical Science, Pathology Unit, Cagliari University
- **2009** *Fellowship*: "Presto -- Pipeline for Rapid Evaluation and Scoring of Targets in Oncology", Institute for Cancer Research and Treatment (IRCC), Division of Oncological Sciences, Candiolo, Turin, Italy.
- **2010-2011** *PhD resident*_ project: "Identification and characterization of mechanisms of resistance to MET inhibitors." Institute for Cancer Research and Treatment (IRCC), Division of Oncological Sciences, Candiolo, Turin, Italy. Research fellow by Fondazione Associazione Italiana per la Ricerca sul Cancro (AIRC)
- **2009-2012** *PhD resident*_ Toxicology, Experimental oncology and Molecular Pathology, Cagliari University, Italy
- **2005-2008** *Trainee*_ Laboratory of Neurochemistry, Dept. of Experimental Biology – Division of Neuroscience, Cagliari University, Italy

EDUCATION

- 2024 SPECIALIZATION IN CLINICAL PATHOLOGY AND BIOCHEMISTRY, Cagliari University, Italy
- 2012 PhD IN TOXICOLOGY, Experimental oncology and Molecular Pathology, Cagliari University, Italy
- 2008 STATE BOARD AS BIOLOGIST
- 2008 MASTER OF SCIENCE IN NEUROPSYCHOBIOLOGY, Cagliari university, Italy

MEMBERSHIP

SIR_ SOCIETÀ ITALIANA DI REUMATOLOGIA
EMEUNET_EMERGING EULAR NETWORK
ONB_ ORDINE NAZIONALE DEI BIOLOGI
GRAPPA_ GROUP FOR RESEARCH AND ASSESSMENT OF PSORIASIS AND PSORIATIC ARTHRITIS
SIC_ SOCIETÀ ITALIANA DI CANCEROLOGIA (PAST MEMBER)
EACR_ EUROPEAN ASSOCIATION OF CANCER RESEARCH (PAST MEMBER)

LANGUAGES

NATIVE ITALIAN

OTHERS ENGLISH, FRENCH

RELEVANT SKILLS

- ANTI DS-DNA AUTOANTIBODIES DETECTION BY RADIOIMMUNOASSAY (RIA).
- SYNOVIAL FLUID ANALYSIS AND CRYSTAL DETECTION
- STEROIDS HORMONES QUANTIFICATION BY CHROMATOGRAPHIC (HPLC, SILICA) AND RADIOIMMUNOLOGICAL (RIA) TECHNIQUES.
- WESTERN BLOT, IMMUNOPRECIPITATION, ELISA
- CLONING, DNA-RNA EXTRACTION, DNA SEQUENCING, COPY DNA, PCR, REAL TIME PCR (SNP GENOTYPING, CDNA AND MICRORNA).
- MICRORNAS FROM TISSUES, SERUM AND PLASMA.
- TISSUE AND CYTO-ANALYSIS BY IMMUNOHISTO/CYTO-CHEMISTRY AND IMMUNOFLUORESCENCE.
- BASIC PRACTICAL NOTIONS IN FLOW CYTOMETRY
- BIOCHEMICAL AND BIOLOGICAL ASSAYS IN VITRO.
- CELL CULTURES, TRANSFECTION AND TRANSDUCTION (LIPOFECTAMINE AND LENTIVIRUSES).
- IN VITRO SITE-DIRECTED MUTAGENESIS.
- TISSUES-DERIVED CELL CULTURES.
- IN VITRO TUMORIGENICITY ASSAYS (CELLS GROWTH, VIABILITY, MIGRATION ASSAYS)
- IN VIVO SURGICAL TECHNIQUES (RATTUS NORVEGICUS, MUS MUSCULUS): XENO – ORTHO - AND ETHEROTOPIC TRANSPLANTATIONS, TUMORS-LIVER-LUNGS AND BRAIN TISSUE-BASED ANALYSIS, LUNG METASTASIS EVALUATION WITH IN VIVO CHINA INK INJECTION.
- IN VIVO TUMORIGENICITY ASSAYS
- BEHAVIORAL AND PHARMACOLOGICAL ANIMAL MODELS (RATTUS NORVEGICUS, MUS MUSCULUS), DRUG ADMINISTRATION BY SUBCUTANEOUS, INTRAPERITONEAL, ORAL OR INTRAGASTIC (GAVAGE).
- IN SILICO PROTEIN STRUCTURE ANALYSIS BY PYMOL AND CHIMERA SOFTWARE
- IN SILICO PROTEOME ANALYSIS BY STRING SOFTWARE, IPA SOFTWARE

COURSES

- Training on radioactive-protection (competence acquired and certified after specific course attendance at the department of Physic, University of Cagliari).
- Training on use viruses for gene therapy (competence acquired and certified after specific course attendance at the department of Oncological Sciences, University of Turin).
- Training on human molecular genetics (Il Sao Paulo School of Advanced Science, Advanced Topics in Human Molecular Genetics. Campinas, Brasil)

- Training on use cytofluorimeter BD FACS Canto (BDB Training Center Becton Dickinson Italia SpA, Milan)
- Training on "Acquisizione e analisi di immagini con microscopio confocale spinning disk" (University of Cagliari, CESAR, Crisel Instruments srl)

AWARDS

GRAPPA PILOT RESEARCH GRANT 2019 for the best project about psoriatic arthritis "Pharmacogenetics of treatment response in Psoriatic arthritis towards Personalized medicine (3PMedicine)".

CELGENE RESEARCH AWARD 2017 for the best project about psoriatic arthritis: "Molecular profiling and histologic analysis of well-characterised clinical phenotype subsets to reveal pathogenic mechanisms reflecting PsA heterogeneity and disease severity.";

EULAR society, Travel bursary for the EULAR congress 2017 for the presented abstract "MM Angioni, A Denotti, S Pinna, et al. SAT0528 Molecular modifications induced by mud-bath therapy in patients with osteoarthritis. Annals of the Rheumatic Diseases 76 (Suppl 2), 975-976";

SIR society, "Verso EULAR" for the best scientific presentation "Angioni M M, et al. The Unexplored Potential Of Circulating Neuroactive Steroids In Young Female With Neuropsychiatric Systemic Lupus Erythematosus", 59° Congresso Nazionale Società Italiana di Reumatologia (SIR), Rimini, 23 - 26 novembre 2022

SIR society, "Verso EULAR" for the best scientific presentation "Angioni M M, et al. "Gene expression profiling of clinical remission in PsA reveals c-FOS and YMER dysregulation", 58° congresso nazionale della Società Italiana di Reumatologia (SIR), Rimini, 24/27 novembre 2021

University of Campinas (UNICAMP, Brazil) "travel bursary" "Advanced Topics of Human Molecular Genetics" (Il Sao Paulo School of Advanced Science, Advanced Topics in Human Molecular Genetics. Campinas, Brasil) –2011

PUBLICATIONS



<https://orcid.org/0000-0002-4923-9907>

Autorizzo il trattamento dei miei dati personali ai sensi del Dlgs 196 del 30 giugno 2003 e dell'art. 13 GDPR.

March 2025

M. Maddalena Angioni, PhD