Federica De Angelis

Intelligence is not making mistakes but immediately discovering ways to profit from them (B.Brecht)

Date of birth | Place of birth

EMPLOYMENT HISTORY

Gen 2023 — Present

Rome

Clinical Research Coordinator, Department of Translational and Precision Medicine - Division of Hematology–Rare Diseases Unit and Transplant Unit - Umberto I Hospital

Onco-hematological Phase II, III, IV Clinical Trials - Sponsored and non-sponsored Studies *in accordance with ICH guidelines for Good Clinical Practice (GCP).*

- **Monitoring and management of Site activities** to ensure study protocols timelines and execution according to Sponsors' standard and deadlines and in compliance with ICH-GCP guidelines; **establishing and keeping effective relations with the Site Team** (Physicians, Pharmacists and Study Nurses) and professionals of internal and external partners;
- **Case Report Forms and e-CRFs completion-**: data collection, handling and reviewing from source documents and medical records; data entry, management and queries resolution;
- Study documentation verification, collection and maintenance according to Sponsors' requirements;**Adverse Events and Serious Adverse Events reporting**;
- **Management** of Site Feasibility Visits; Site Initiation Visits, Monitoring Visits and Close out Visits
- IP receipt/storage, dispensing and accountability;
- Regulatory Activities: Investigator Site File maintenance; IEC contact;
- Writing and Update of standard operating procedures (SOPs).

Mar 2022 — Dec 2022

Research and Scientific Consultant, Plaisant S.r.l **Rome**

Service support to pre-clinical study protocols through the monitoring of the experimental procedures/designs and of the Regulatory Activities referring on the protection of animals used for scientific purposes.

May 2021 — Apr 2022

Neurobiology: Research on Spinal Cord Diseases, Institute of Biochemistry and Cell Biology, National Council of Research (CNR) **Rome**

Study about Xeomin® treatment, a commercial formulation of botulinum neurotoxin type A (BoNT/A) clinically authorized for treating neurological disorders, with particular attention to Spinal Cord Injury (SCI).

- **Application of laboratory methodics**: murine tissues proteins extraction for Antibody Array and ELISA analysis for diagnostics biomarker characterization with subsequent results *analysis and* interpretation.
- **Cell biology methodics**: cell culture maintain and amplification; study of cellular properties, such as growth and differentiation with different neurotoxin treatments provided.

Jul 2020 — Apr 2021

Oncology: Research on Prostate Cancer, Department of Translational Medicine and Surgery, Catholic University of the Sacred Heart **Rome**

Molecular characterization of epidrugs interfering with lncRNA H19 function trough ERb/eNOS/HIF2a circuitry as emerging targeted prostate cancer therapy.

- **Application of laboratory methodics**: cellular and tissues (murine and humans) mRNA and proteins extraction; qPCR and SDS-PAGE Western Blotting techniques for epigenetic analysis. In vivo imaging system acquisition with Luminescence or Fluorescence for growth tumor monitoring and epidrugs treatment.
- **Cell biology methodics**: cell culture and amplification from patients biopsy to the identification of peculiar/subjective biomarkers for the achievement of a precision medicine treatment.

Jan 2015 — Dec 2018

NeuroImmunology: Research on Neuropathic Pain, Department of Experimental Neuroscience Foundation Santa Lucia IRCSS **Rome**

Study of inflammatory biomarkers such as Cytochines and Adipokines to identify new molecular targets for therapeutic purposes in neurodegenerative/neuroimmune diseases and neuropathic pain.

Application of laboratory methodics: murine tissues samples proteins extraction and blood samples process for Antobody Array, ELISA and SDS-PAGE Western Blotting for neuroinflammation and neuroimmunology analysis. Confocal Microscopy techniques for tissue regeneration monitoring and analisys.

Jun 2010 — Jan 2015

Neurobiology: Research on Neurodegenerative/Neurological Diseases, Department of Biology and Biotechnologies "Charles Darwin", Sapienza University **Rome**

Characteritazion of new experimental model about Autism Spectrum Disorders and study of *possible dual role of the cholinergic system in the modulation of the immune system and in the recruitment of oligodendrocytes progenitor.*

- **Application of laboratory methodics**: cells/tissue samples mRNA, proteins extraction and biological fluids samples process for ELISA and SDS-PAGE Western Blotting for neuroinflammation/neurophysiology analysis.
- **Cell biology methodics**: cell culture and amplification; study of cellular properties, such as growth, differentiation with different cholinergic treatments provided.

EDUCATION

Feb 2010	**Ph.D. In Cell Biology and Development, XXII cycle (Doctoral School in Biology and Molecular Medicine), Sapienza University** ***Thesis:*** *Acetylcholine modulates the proliferation and differentiation of myelinating glial cells: a comparative study in Oligodendrocytes and Schwann cells.* ***Final judgement:*** *Excellent*	**Rome**
May 2006	**Master degree in Biological Sciences, Sapienza University** ***Thesis:*** *Cholinergic modulation of nociceptive stimuli via M2 muscarinic receptor activation in rat sensory neurons* ***Final vote:*** *108/110*	**Rome**

TRAININGS

Sep 2023	**Mayo Clinic Laboratories Certificate Handling/offering fo transportation of dangerous goods** *Tested as per 49CFR 172.700/IATA 1.*
Feb 2023	**Medidata Classic Rave Certified Clinical Research Coordinator, Issued by Medidata, a Dassault Systèmes company** *Validation of Clinical Research Coordinator proficiency in performed Medidata Classic Rave tasks: navigation, data entry, and responding to queries.*
Nov 22	**ROCHE/Genetech Certificate: Investigator Site Personnel ICH E6 (R2) GCP Training***, **identified by TransCelerate BioPharma as necessary to enable mutual recognition of GCP training among trial sponsors (v. 2.1 Dated 23 March 2021).* FormazioneNelFarmaeutico.com Certificate **IATA Training** *Serial N. cert_gwzrmzc3.*

LANGUAGES	English	B2	Italian	MT

PERSONAL AND COMPETENCES SKILLS

- **Communication skills** – Strong interpersonal and communicative skills, and strong ability to relate and integrate new reality in a very short time; Cross-functional team work: strong ability to establish and maintain effective relations with various professionals in order to coordinate and to guarantee a proper Study/Project conduction.
- **Organisational/managerial skills** – Strong organizational skills: coordination and supervision of multi-professionals teams; Strong problem-solving skills; Strong ability to make decisions independently and to manage multiple project simultaneously; Very strong ability to manage daily activities and long-term work to achieve established goals within deadlines efficientlyandwithhigh accuracy; Capacity to work precisely,according to procedures, rules and regulations.
- **Computer skills** – Strong knowledge of the main Study related portals: various EDC CRF platforms, IWRS, imaging acquisition and upload portals. Strong IT knowledge; Proficient in Microsoft Office package knowledge (Word, Excel; Outlook, Power Point). Proficient in statistical software as GraphPad Prism and StatView.
- **Personal skills** – Detail-oriented, Determined, inquiring, dynamic, proactive, sociable, hardworking andhighly motivated.

SCIENTIFIC PUBLICATION

1. Vacca V, Rossi C, Pieroni L, **De Angelis F**, Giacovazzo G, Cicalini I, Ciavardelli D, Pavone F, Coccurello R, Marinelli S. Sex-specific adipose tissue's dynamic role in metabolic and inflammatory response following peripheral nerve injury. iScience. 2023 Sep 15;26(10):107914. doi: 10.1016/j.isci.2023.107914. eCollection 2023 Oct 20. ***(free access)***
2. Mastrorilli V, **De Angelis F**, Vacca V, Pavone F, Luvisetto S, Marinelli S. Xeomin®, a Commercial Formulation of Botulinum Neurotoxin Type A, Promotes Regeneration in a Preclinical Model of Spinal Cord Injury. Toxins (Basel). 2023 Mar 28;15(4):248. doi: 10.3390/toxins15040248. ***(free access)***
3. **De Angelis F**, Vacca V, Tofanicchio J, Strimpakos G, Giacovazzo G, Pavone F, Coccurello R, Marinelli S. Sex Differences in Neuropathy: The Paradigmatic Case of MetFormin. Int J Mol Sci. 2022 Nov 22;23(23):14503. doi: 10.3390/ijms232314503. ***(free access)***
4. Vacca V, Marinelli S, **De Angelis F**, Angelini DF, Piras E, Battistini L, Pavone F, Coccurello R. Sexually Dimorphic Immune and Neuroimmune Changes Following Peripheral Nerve Injury in Mice: Novel Insights for Gender Medicine. Int J Mol Sci. 2021 Apr 22;22(9):4397. doi: 10.3390/ijms22094397.
5. Daniela Francesca Angelini[‡], **Federica De Angelis**[‡] (co-first), Valentina Vacca, Eleonora Piras, Chiara Parisi, Michele Nutini, Alida Spalloni, Francesca Pagano, Patrizia Longone[§], Luca Battistini[§], Flaminia Pavone[§] and Sara Marinelli. Very early involvement of innate immunity in peripheral nerve degeneration in SOD1-G93A mice. Front. Immunol 2020 Oct 19, doi: 10.3389/fimmu.2020.575792. ***(free access)***
6. Vacca V, Madaro L, **De Angelis F**, Proietti D, Cobianchi S, Orsini T, Puri PL, Luvisetto S, Pavone F, Marinelli S. Revealing the Therapeutic Potential of Botulinum Neurotoxin Type A in Counteracting Paralysis and Neuropathic Pain in Spinally Injured Mice. Toxins (Basel) 2020 Jul 31;12(8):491. doi: 10.3390/toxins12080491. ***(free access)***
7. **Federica De Angelis**, Valentina Vacca, Flaminia Pavone, Sara Marinelli. Impact of caloric restriction during aging on peripheral nerve injury-induced neuropathic pain in mice. European Journal of Pain October 2019, doi: 10.1002/ejp.1493.
8. Sara Marinelli, Valentina Vacca, **Federica De Angelis**, Luisa Pieroni, Tiziana Orsini, Marzia Soligo, Virginia Protto, Luigi Manni, Roberto Guerrieri, Flaminia Pavone. Innovative Mouse Model Mimicking Human-Like Features of Spinal Cord Injury: Efficacy of Docosahexaenoic Acid on Acute and Chronic Phases. Scientfic Reports, June 2019 doi: 10.1038/s41598-019-53787-x. ***(free access)***
9. Coccurello R*, Nazio F*, Rossi C*, **De Angelis F**, Vacca V, Giacovazzo G, Procacci P, Magnaghi V, Ciavardelli D, and Marinelli S. Effects of caloric restriction on neuropathic pain, peripheral nerve degeneration and inflammation in normometabolic and autophagy defective prediabetic Ambra1 mice. PlosOne, December 2018 doi:10.1371/journal.pone.0208596. ***(free access)***
10. Finocchiaro A, Marinelli S, **De Angelis F**, Vacca V, Luvisetto S, Pavone F. Botulinum Toxin B Affects Neuropathic Pain but Not Functional Recovery after Peripheral Nerve Injury in a Mouse Model. Toxins (Basel). 2018 Mar 18;10(3). pii: E128. doi:10.3390/toxins10030128. ***(free access)***
11. De Jaco A, Mango D, **De Angelis F**, Favaloro F.L, Andolina D, Nisticò R, Fiori E, Colamartino M, and Pascucci T. Unbalance between Excitation and Inhibition in Phenylketonuria, a Genetic Metabolic Disease Associated with Autism. Int.J.Mol.Sci. 2017, 18, 941; doi:10.3390/ijms18050941. ***(free access)***
12. **De Angelis F**. and Tata AM. Analgesic Effects Mediated by Muscarinic Receptors: Mechanisms and Pharmacological Approaches. Cent. Nerv. Syst. Agents Med. Chem. 2016, 16:218-226.
13. Toni M, **De Angelis F**, di Patti MC, Cioni C. Nitric Oxide Synthase in the Central Nervous System and Peripheral Organs of *Stramonita haemastoma*: Protein Distribution and Gene Expression in Response to Thermal Stress. Mar. Drugs. 2015, 13:6636-64. ***(free access)***
14. Reale M, Di Bari M, Di Nicola M, D'Angelo C, **De Angelis F**, Velluto L, Tata AM. Nicotinic receptor activation negatively modulates pro-inflammatory cytokine production in multiple sclerosis patients. Int. Immunopharmacol. 2015, 29:152-7.
15. Romano E, **De Angelis F**, Ulbrich L, De Jaco A, Fuso A, Laviola G. Nicotine self-consumption during adolescence restores WT-like cognition and brain genes expression in adult heterozygous reeler mice. Psychopharmacology (Berl). 2014 Apr;231(8):1775-87. doi: 10.1007/s00213-013- 3388-y.
16. **De Angelis F**., Marinelli S., Fioretti B., Catacuzzeno L.,Franciolini F., Pavone F. and Tata A.M. M2 Receptors exert analgesic action on DRG sensory neurons by negatively modulating VR1 activity. J Cell. Physiol. 2014 Jun;229(6):783-90. doi: 10.1002/jcp.24499.
17. Reale M, **De Angelis F**., Di Nicola M, Capello E., Di Ioia M., Luca Gd, Lugaresi A., Tata A.M. Relation between Pro-inflammatory Cytokines and Acetylcholine Levels in Relapsing-Remitting Multiple Sclerosis Patients. Int.J.Mol.Sci. 2012 Oct3;13(10):12656-64.doi:10.3390/ijms131012656. ***(free access)***
18. **De Angelis F**., Bernardo A., Magnaghi V., Minghetti L.and Tata A.M. Muscarinic receptor subtypes as potential targets to modulate oligodendrocyte progenitor survival, proliferation, and differentiation. Dev. Neurobiol. 2012 May, 72(5):713-28. Doi:10.1002/dneu.20976.

DRIVING LICENCE B