

CV

Anahita Abdali

Feb 2022



Haarlem

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PROFILE

Doctor of pharmaceutical sciences within the therapeutic area of cardio-metabolic disease and pharmacology, with 2 year of pharmaceutical industry experience. I am not shy of a challenge and particularly enjoy working with a focused and creative team to meet goals and deadlines. I am patient, dependable and I am delighted to read and interpret science with the purpose of communicating it to relevant stakeholders. With progressive exposure to national, international, and multidisciplinary collaborations, I design and execute strategies to answer research questions.

” *Ana has taken an active role in...the data she produced has been impeccable... She has a calm and friendly demeanor...* ”

Lund, 2015-05-21
Harry Björkbacka,
Associate Professor

Experienced in:

- Pre-clinical research: cardiovascular disease, immunology, drug development & functional genomics
- Assay and method development
- Multi-disciplinary collaborations

Merits of relevance:

- Highly skilled in various *in vitro* techniques: (primary) cell culture, western blot, qPCR, chemical/fluorescence-based assays, cell-based assays (killing, proliferation, cytokines), immunocytochemistry, IHC, FACS, ELISA
- Certified with FELASA C laboratory animal science (i.e. *art. 9*)
- Flexible to act in a highly dynamic and demanding environment

Interests:

- Drug discovery & development

” *Having experienced Anahita as an open person and would certainly fit within the team* ”
Ann de Smedt, 2019-05-1, Johnson & Johnson, BE, Principal Scientist

WORK EXPERIENCE



CONTRACT MANAGER Preclinical Immunology

2021-current

Janssen Vaccines & Prevention, Viral Vaccines Team

Managing the request and set up CRO contracts for various project related to viral vaccine development. Reviewer of study reports, providing support in the documentation for BLA filings.

PROCUREMENT MANAGER – Freelancer

2021-current

As a freelancer, I occasionally take on projects at the company IBEEAG to deliver procurement services for global trading companies.



R&D SCIENTIST

2019-2020

Discovery Sciences, Functional Genomics team

Using state-of-the-art gene editing tools to support the identification and development of

small and large molecule therapeutics for disease indications including Oncology, Immunology, Infectious Diseases and Neuroscience.

Responsibilities:

- Design and execution of large-scale cellular experiments using CRISPR/Cas9 and other functional genomics tools for target identification
- Mode of action (MOA) characterization
- Mode of mechanisms of resistance and/or sensitivity to small and large molecules
- Assay and method development
- Writing SOPs, ELN documentation
- Presenting scientific results at Global Connect meetings



RESEARCH ASSISTANT

2015-2016

Project topic: Role of Myd88 deletion on macrophage polarization and (atherosclerotic) plaque stability

Responsibilities:

- Management, design and execution of research project
- Experience in gene and protein related techniques, various immunoassays and analytical techniques: fluorescent and confocal microscopy
- SOP development and optimization
- * Receiver of Human Biology scholarship

SECONDMENT



RESEARCHER

2016

Achievements:

- Learned the basics in programming (Python) and project management
- Design of disease map using new knowledge management system (BioXM™)

EDUCATION



UNIVERSITÀ
DEGLI STUDI
DI MILANO

HORIZON 2020 MSCA-ITN JOINT DOCTORATE

2016-2019

Doctorate of Pharmacological Experimental and Clinical Sciences, PhD

Doctorate of Pharmaceutical Sciences, PhD



Universiteit
Antwerpen

Dissertation topic: *Inhibition of Angiogenesis using Glycolysis Inhibitors: an in vitro study*

Focus points: 1. small molecule inhibition of metabolic pathway, 2. functional profiling of selective compounds, 3. mechanism of action, 4. *in-vivo* validation of selective compound



Master of Science (5-year education, includes bachelor's degree) 2010-2015

Biomedical Program, VU University of Amsterdam, the Netherlands

LEADERSHIP

- 2012-2013** Mentor for undergraduate students
- 2011-2013** Chairman, for the student body organization of Biomedical Students VU University Amsterdam, the Netherlands
- 2011-2015** Office manager at Elsure BV

SUPERVISION EXPERIENCE

Supervision (under)graduate students as co-supervisor

- 2016-2017** Supervision of graduate work: Pharmacy student, Silvia Cattaneo, 52 w
- 2017** Supervision of graduate work: Pharmacy student, Yannice Argeerts, 18 w

SPECIAL COMPETENCES AND METHODS

Courses of relevance

- 2020** Project management Masterclass
2019 GMP, Data Integrity, Records and Information Management, Biobank awareness
2018 Laboratory animal science for research workers, FELASA C certificate
2018 Pharma Skills, 5 days, University of Milano
 NB: This course included; Conflict management, Patenting/IP, Pharmacovigilance, Quality Assurance, GMP
2017 PET Imaging and Radiopharmaceutical development, 3 days, University of Aberdeen
2017 Training in Dissemination in Science, 3 days, University of Milano
2016 Training on Communication in Science, 2 days, University of Leiden

Protein/Immunoassays

Protein separation using SDS-PAGE and Western Blot
 Immunohistochemistry/Immunocytochemistry, Flow cytometry (FACS), ELISA

Molecular & Cell Biology

CRISPR-Cas9 screening, DNA/RNA transfection, cloning
 DNA/RNA isolation and purification, (Real-time) RT-PCR, Western Blot
 Mammalian cell culture (Primary & cell lines)
 Biochemical and cell-based assays

Bioimaging Techniques

(Confocal) Fluorescence microscopy

Animal techniques

Mouse study: from design to analysis

Computer

Data analysis and bioinformatic tools (MS Office, GraphPad Prism, FlowJo, Adobe Illustrator)
 Writing SOPs, ELN documentation

Languages

Fluent Dutch and English. Advanced in Persian.

PUBLICATIONS

Anahita Abdali, Goran Marinković, “Assessment of medullary and extramedullary myelopoiesis in cardiovascular disease”, *Pharmacological Research*, doi: [10.1016/j.phrs.2021.105663](https://doi.org/10.1016/j.phrs.2021.105663)

Anahita Abdali, Denisa Baci, Isabella Damiani, Federica Belloni, Carlo De Dominicis, Maria Luisa Gelmi, Alberto Corsini, Stefano Bellosta, “In Vitro Angiogenesis Inhibition with Selective Compounds Targeting the Key Glycolytic Enzyme PFKFB3”, *Pharmacological Research*, doi: [10.1016/j.phrs.2021.105592](https://doi.org/10.1016/j.phrs.2021.105592)

Besa Emini Veseli, Paola Perrotta, Pieter Van Wielendaele, Anne-Marie Lambeir, Anahita Abdali, Stefano Bellosta, Giovanni Monaco, Geert Bultynck, Wim Martinet, Guido De Meyer, “Small molecule 3PO inhibits glycolysis but does not bind to 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase-3 (PFKFB3)”, *FEBS Letters*, doi: [10.1002/1873-3468.13878](https://doi.org/10.1002/1873-3468.13878)

REFERENCES ARE LEFT UPON REQUEST
