



AL MAGNIFICO RETTORE
DELL'UNIVERSITA' DEGLI STUDI DI MILANO

COD. ID: 7056

Il sottoscritto chiede di essere ammesso a partecipare alla selezione pubblica, per titoli ed esami, per il conferimento di un assegno di ricerca presso il Dipartimento di Scienze Farmacologiche e Biomolecolari Rodolfo Paoletti

Responsabile scientifico: Prof. Norata

ELHAM AFZALPOUR

CURRICULUM VITAE

INFORMAZIONI PERSONALI

Cognome	Afzalpour
Nome	Elham

ISTRUZIONE E FORMAZIONE

Titolo	Corso di studi	Università	anno conseguimento titolo
Master's Degree	Nanobiotechnology	Shahid Beheshti University (SBU), Tehran, Iran.	2021
Certificates	1) Managing Emergencies 2) Workers Specific Training - Low Risk 3) Basic Course on Safety	Politecnico di Milano (POLIMI), Milan, Italy	2021
Bachelor's degree	Cellular and Molecular Biology - Genetics	IAU, Tehran, Iran	2019

LINGUE STRANIERE CONOSCIUTE

lingue	livello di conoscenza
Inglese	Fluente
Italiano	Di base
Persiano	Madrelingua



PREMI, RICONOSCIMENTI E BORSE DI STUDIO

Anno	Descrizione premio
2023-2024	Research Fellow (Assegnista di ricerca) Department of Biomedical and Clinical Sciences, University of Milan (UNIMI) and IRCCS MultiMedica, Milan, Italy.
2023	Scientific Travel Grant 29th AMD-SID Lombardia Inter-Association Congress October 20-21, 2023 Coccaglio, Italy.
2023	Scientific Travel Grant Workshop: Non-coding RNAs as Emerging Biomarkers for Human Diseases July 3, 2023, University of Trento, Italy.
2022-2023	Scholarship for Promising Graduates (Borsa di studio) Department of Biomedical Sciences for Health, University of Milan (UNIMI), Italy.
2021	Master's Graduation Award Awarded best master's graduate for outstanding academic performance and an outstanding thesis.

ATTIVITÀ DI FORMAZIONE O DI RICERCA

Professional development, Remote Research Collaboration, 06/2024- Present

Contributed to data analysis, manuscript preparation, and project discussions.

Acquired foundational skills in Python programming through IBM's training resources.

Research Fellow (Assegnista di ricerca), 04/2023-05/2024

University of Milan (UNIMI) and IRCCS MultiMedica - Milan, Italy

Researched dysglycemia in Type 2 diabetes prevention, focusing on cardiovascular dysfunctions, gene expression analysis in HUVECs, at the Department of Biomedical and Clinical Sciences, UNIMI.

Skill: Cell Culture, Western Blotting, PCR, and qPCR, Protein Isolation, RNA Purification, GraphPad Prism, Peer Review for Academic Papers, Scientific Research and Data Analysis, Supervision of Undergraduate Student, Contribution to Publications and Academic Presentations.



Scholarship for Promising Graduates, 09/2022 - 03/2023

University of Milan (UNIMI), Milan, Italy

Contributed to national surveillance of drug-resistant infections, performed nucleic acid detection and amplification, prepared samples for sequencing, and assisted in research dissemination at Department of Biomedical Sciences for Health, UNIMI.

Skill: PCR, Library Preparation for NGS, Gel electrophoresis, Preparing posters for academic meetings.

Internship in Microfluidic System, 06/2021 - 09/2021

Politecnico di Milano (POLIMI) - Milan, Italy

Investigated cellular uptake and binding of nanoparticles in microfluidic channels, simulating blood circulation conditions to assess nanoparticle internalization in vessel cells at Department of Chemistry, Materials and Chemical Engineering.

Skill: Microfluidic Systems, Cell Culture, Cell Siding, Fluorescence Microscopy, Cell Staining, Laboratory Safety.

Exchange Program in Gene Delivery, 02/2021 - 05/2021

Politecnico di Milano (POLIMI) - Milan, Italy

Development and characterization of nanoparticles for non-viral gene delivery applications at Department of Chemistry, Materials and Chemical Engineering.

Skill: Cell Counting, BCA Protein Assay, Luciferase Assay, Aseptic Cell Culture, AlamarBlue Assay, Polyplexes Complexion, Laboratory Safety.

Master's Thesis & Research Assistant, 06/2020 - 01/2021

Shahid Beheshti University (SBU), Tehran, Iran

Title: Design and Fabrication of Chitosan Hydrogel Nanocomposite for Medical Applications.

Grade: Outstanding.

**Master's Degree, 2021**

Shahid Beheshti University (SBU), Tehran, Iran

Title: Nanobiotechnology

Grade: 19.13/20 (Top-Ranked Graduating Student).

Bachelor's Degree, 2019

IAU, Tehran, Iran

Title: Cellular and Molecular Biology-Genetics.

CONGRESSI, CONVEGNI E SEMINARI

Data	Titolo	Sede
January 2024	Congress on "Update on Diabetes and CVD in the Diabetes	Milan, Italy
December 2023	Chronic Benign Intestinal Failure in Pediatric Age	Brescia, Italy
October 2023	29th Inter-associative Congress AMD-SID Lombardy 2023	Coccaglio, Italy
July 2023	Non-coding RNAs as emerging biomarkers for human diseases (Workshop)	University of Trento, Italy
May 2023	41 st annual meeting of the european society for paediatric infectious diseases	Lisbon, Portugal
November, 2022	GSA-IDEA WORKSHOP	Milan, Italy
February, 2021	21 st national and 9 th international congress on biology	Semnan, Iran
February, 2021	8 th international e-congress on nanoscience and nanotechnology	Mashhad, Iran
February, 2017	9 th international congress of laboratory and clinic	Tehran, Iran
February, 2017	2 nd national congress of basic medical sciences and the knowledge-based production	Tehran, Iran
October, 2016	4 th Congress on Novel and Innovative Laboratory Technologies	Tehran, Iran



PUBBLICAZIONI

Articoli su riviste

La Sala, Lucia, et al. "Metabolic disorders affecting the liver and heart: Therapeutic efficacy of miRNA-based therapies?" *Pharmacological Research* (2024): 107083.
<https://doi.org/10.1016/j.phrs.2024.107083>.

Ehtesabi, Hamide, and **Elham Afzalpour**. "Smartphone-based coronavirus detection using saliva: a mini-review." *Heliyon* 9.3 (2023). <https://doi.org/10.1016/j.heliyon.2023.e14380>.

Atti di convegni

MiR-21 as novel strategy for screening of hyperglycemia- induced damage; Lucia La Sala, Valentina Carlini, **Elham Afzalpour**, Emilio Trabucchi; Università di Trento 2023

Public health and epidemiology (only non-SARS-CoV2 content) / AS02. a. Population studies and surveillance; Regular abstract; CRISTINA GALLI, LAURA PELLEGRINELLI, ARLINDA SEITI, Lucia Crottogini, GIOVANNI ANSELMi, VALERIA PRIMACHE, EMANUELA MATTEUCCI, Margherita Scurria, **Elham Afzalpour**, SANDRO BINDA, Danilo Cereda, ELENA PARIANI; Lisbon,2023; <https://espidmeeting.org/wp-content/uploads/sites/19/2023/05/ESPID23-Abstracts-Book.pdf>

Afzalpour, Elham and Ehtesabi, Hamide,1399, Synthesis of carbon quantum dots from natural precursors of Vitaseae using bottom-up Methods,21st National and 9th International Congress on Biology, <https://civilica.com/doc/1260701>

Elham Afzalpour, Simple and Selective Detection of Lead Ions using Green Synthesized Carbon Dots, 8th international e-congress on nanoscience and nanotechnology, Mashhad University of Medical Sciences, Iran, 17th-18th February 2021.

ALTRE INFORMAZIONI

Posters:

TXNIP is an early marker gene for evaluating the damage, high glucose-induced on endothelial cells; **Elham Afzalpour**, Valentina Carlini, Lucia La Sala; Coccaglio 2023.

MiR-21 as potential marker and target for hyperglycemia-induced endothelial dysfunction; Valentina Carlini, **Elham Afzalpour**, Lucia La Sala; Coccaglio 2023.

Elham Afzalpour, Virological surveillance of influenza-like illness, GSA-IDEA workshop, Milan, Italy, 18th November 2022.



Le dichiarazioni rese nel presente curriculum sono da ritenersi rilasciate ai sensi degli artt. 46 e 47 del DPR n. 445/2000.

Il presente curriculum non contiene dati sensibili e dati giudiziari di cui all'art. 4, comma 1, lettere d) ed e) del D.Lgs. 30.6.2003 n. 196.

RICORDIAMO che i curricula **SARANNO RESI PUBBLICI** sul sito di Ateneo e pertanto si prega di non inserire dati sensibili e personali. Il presente modello è già precostruito per soddisfare la necessità di pubblicazione senza dati sensibili.

Si prega pertanto di **NON FIRMARE** il presente modello.

Luogo e data: Lecco, 19/02/2025