



**AL MAGNIFICO RETTORE  
DELL'UNIVERSITA' DEGLI STUDI DI MILANO**

**COD. ID: 7045**

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 Dip. di Scienze Farmacologiche e Biomolecolari

Responsabile scientifico: Prof.ssa Cattaneo

**ELHAM AFZALPOUR**

**CURRICULUM VITAE**

## INFORMAZIONI PERSONALI

<b>Cognome</b>	Afzalpour
<b>Nome</b>	Elham

## ISTRUZIONE E FORMAZIONE

<b>Titolo</b>	<b>Corso di studi</b>	<b>Università</b>	<b>anno conseguitamento titolo</b>
Master	Nanobiotechnology	Shahid Beheshti University (SBU), Tehran, Iran.	2021
Certificato	1) Managing Emergencies 2) Workers Specific Training - Low Risk 3) Basic Course on Safety	Politecnico di Milano (POLIMI), Milan, Italy	2021

## LINGUE STRANIERE CONOSCIUTE

<b>lingue</b>	<b>livello di conoscenza</b>
Inglese	Fluente
Italiano	Di base
Persiano	Madrelingua



## PREMI, RICONOSCIMENTI E BORSE DI STUDIO

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

## ATTIVITÀ DI FORMAZIONE O DI RICERCA

### **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 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, 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 <sup>st</sup> annual meeting of the european society for paediatric	Lisbon, Portugal



	infectious diseases	
November, 2022	GSA-IDEA WORKSHOP	Milan, Italy
February, 2021	21 <sup>st</sup> national and 9 <sup>th</sup> international congress on biology	Semnan, Iran
February, 2021	8 <sup>th</sup> international e-congress on nanoscience and nanotechnology	Mashhad, Iran
February, 2017	9 <sup>th</sup> international congress of laboratory and clinic	Tehran, Iran
February, 2017	2 <sup>nd</sup> national congress of basic medical sciences and the knowledge-based production	Tehran, Iran
October, 2016	4 <sup>th</sup> Congress on Novel and Innovative Laboratory Technologies	Tehran, Iran

## PUBBLICAZIONI

<b>Articoli su riviste</b>
La Sala, Lucia, et al. "Metabolic disorders affecting the liver and heart: Therapeutic efficacy of miRNA-based therapies?" <i>Pharmacological Research</i> (2024): 107083. <a href="https://doi.org/10.1016/j.phrs.2024.107083">https://doi.org/10.1016/j.phrs.2024.107083</a> .
Ehtesabi, Hamide, and <b>Elham Afzalpour</b> . "Smartphone-based coronavirus detection using saliva: a mini-review." <i>Heliyon</i> 9.3 (2023). <a href="https://doi.org/10.1016/j.heliyon.2023.e14380">https://doi.org/10.1016/j.heliyon.2023.e14380</a> .

<b>Atti di convegni</b>
MiR-21 as novel strategy for screening of hyperglycemia- induced damage; Lucia La Sala, Valentina Carlini, <b>Elham Afzalpour</b> , 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 ANSELMINI, VALERIA PRIMACHE, EMANUELA MATTEUCCI, Margherita Scurria, <b>Elham Afzalpour</b> , SANDRO BINDA, Danilo Cereda, ELENA PARIANI; Lisbon,2023; <a href="https://espidmeeting.org/wp-content/uploads/sites/19/2023/05/ESPID23-Abstracts-Book.pdf">https://espidmeeting.org/wp-content/uploads/sites/19/2023/05/ESPID23-Abstracts-Book.pdf</a>
<b>Afzalpour, Elham</b> and Ehtesabi, Hamide,1399, Synthesis of carbon quantum dots from natural precursors of Vitaseae using bottom-up Methods,21 <sup>st</sup> National and 9 <sup>th</sup> International Congress on Biology, <a href="https://civilica.com/doc/1260701">https://civilica.com/doc/1260701</a>
<b>Elham Afzalpour</b> , Simple and Selective Detection of Lead Ions using Green Synthesized Carbon Dots, 8 <sup>th</sup> international e-congress on nanoscience and nanotechnology, Mashhad University of Medical Sciences, Iran, 17 <sup>th</sup> -18 <sup>th</sup> 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, 27/12/2024