

Negar Taghavi Pourianazar

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EDUCATIONAL BACKGROUND

01.2017-07.2017	Postdoctoral researcher Yeditepe University Istanbul- Turkey
03.2016- 12.2016	Postdoctoral researcher Middle East Technical University (English-based University) Ankara- Turkey
2010- 2016	Ph.D. Biotechnology Middle East Technical University (English-based University) Ankara- Turkey
2002- 2004	M.Sc. Microbiology Azad university of Lahijan (Iran)
1998- 2002	B.S. Microbiology Azad university of Zanjan (Iran)

EDUCATIONAL INFORMATION

Bachelor graduation GPA	17.75 out of 20
M.Sc. graduation score	18.02 out of 20 1st rank in Azad university of Lahijan (M.Sc.)
M.Sc. Thesis GPA	19.66 out of 20
Ph.D. GPA	3.64 out of 4
Ph.D. Thesis title	Targeted Delivery of CpG-Oligodeoxynucleotide to

Breast Cancer Cells by Poly-Amidoamine Dendrimer-Modified Magnetic Nanoparticles

Postdoc project Determination of the Relationship between the Expression Levels of Genes Involved in Doxorubicin Resistance and WNT Signaling Pathways

PUBLICATIONS

A) JOURNAL PAPERS

Determination of the Relationship between Doxorubicin Resistance and WNT Signaling Pathway in HeLa and K562 Cell Lines, submitted to Cancer Genetics journal.

Changes in Apoptosis-Related Gene Expression and Cytokine Release in Breast Cancer Cells Treated with CpG-Loaded Magnetic PAMAM Nanoparticles, N. Taghavi Pourianazar, U. Gunduz, International Journal of Pharmaceutics, 2016, 515 (1-2): 11–19.

CpG Oligodeoxynucleotide-Loaded PAMAM Dendrimer-Coated Magnetic Nanoparticles Promote Apoptosis in Breast Cancer Cells, N. Taghavi Pourianazar, U. Gunduz, Biomedicine and Pharmacotherapy, 2016, 78: 81-91.

Surface Modifications of Cationic Polyamidoamine (PAMAM) Dendrimers, P. Golshaei, N. Taghavi Pourianazar, Hacettepe J. Biol. & Chem., 2014, 42 (4): 485-497.

Bioapplications of Poly(amidoamine) (PAMAM) Dendrimers in Nanomedicine, N. Taghavi Pourianazar, P. Mutlu, U. Gunduz, J Nanopart Res., 2014, 16: 2342.

Poly(amidoamine) (PAMAM) Nanoparticles: Synthesis and Biomedical Applications, N. Taghavi, P. Mutlu, R. Khodadust, U. Gunduz, Hacettepe J. Biol. & Chem., 2013, 41 (3): 289-299.

Using of Bacteria for Refining Wastewaters Produced in Factories on the basis of Linear Alkyl Benzene Sulfonates, N. Taghavi, MR. Nahaei, Medical Journal of Tabriz University of Medical Sciences and Health services, 2005, 1(27): 21-25.

B) CONFERENCES

Molecular profile of the apoptosis-related genes in breast cancer cells after treatment with CpG-oligodeoxynucleotides delivered by PAMAM-coated magnetic nanoparticles- Poster

The 7th EMBO Meeting, Advancing the Life Sciences. September 10-13 2016 Mannheim, Germany

The *in vitro* effects of CpG oligodeoxynucleotides-loaded dendrimer-coated magnetic nanoparticles on the expression of IL-6 cytokine gene in breast cancer cell lines- Poster

MolBiyoKon 2015- 4th International Congress of the Molecular Biology Association of Turkey. November 27-29 2015 Ankara, Turkey

Co-delivery of doxorubicin and CpG-oligodeoxynucleotide on PAMAM-coated magnetic nanoparticles- Poster

EACR-sponsored 3rd Anticancer Agent Development Congress. May 18th-19th 2015 Izmir, Turkey

The cytotoxic analysis of free doxorubicin and doxorubicin loaded PHB-MNPs on sensitive and doxorubicin resistant MCF-7 cell lines- Poster

The FEBS-EMBO 2014 Conference. 30 August - 4 September 2014 Paris, France

Preparation of fluorescent IgG monoclonal antibody conjugated PHB coated magnetic nanoparticles for imaging and cancer therapy- Poster

The FEBS-EMBO 2014 Conference. 30 August - 4 September 2014 Paris, France

Effect of doxorubicin loaded CS MNPs on cell proliferation in sensitive and doxorubicin resistant MCF-7 cell lines- Poster

The FEBS-EMBO 2014 Conference. 30 August - 4 September 2014 Paris, France

Conjugation of gemcitabine to PAMAM dendrimer-coated magnetic nanoparticles for targeted delivery- Poster

The FEBS-EMBO 2014 Conference. 30 August - 4 September 2014 Paris, France

Chitosan-coated magnetic nanoparticles as vehicles for the delivery of the antitumor drug gemcitabine- Poster

The FEBS-EMBO 2014 Conference. 30 August - 4 September 2014 Paris, France

Cellular internalization of polyhydroxybutyrate coated magnetic nanoparticles in SKBR-3 cell lines- Poster

The FEBS-EMBO 2014 Conference. 30 August - 4 September 2014 Paris, France

Cellular internalization of Bortezomib loaded CS MNPs by cervical cancer cells- Poster

The FEBS-EMBO 2014 Conference. 30 August - 4 September 2014 Paris, France

Loading and release efficiencies of Bortezomib on chitosan coated magnetic nanoparticles- Poster

The FEBS-EMBO 2014 Conference. 30 August - 4 September 2014 Paris, France

PAMAM coated magnetic nanoparticles as CpG-ODN carriers for activation of toll-like receptor 9- Poster

The FEBS-EMBO 2014 Conference. 30 August - 4 September 2014 Paris, France

Comparison of two polymeric nanocarriers for targeted CpG-ODN delivery: chitosan- and poly(amidoamine) dendrimer-coated magnetic nanoparticles-Poster

The FEBS-EMBO 2014 Conference. 30 August - 4 September 2014 Paris, France

Synthesis, surface modification, and characterisation of CpG-ODN loaded magnetic nanoparticles for biomedical applications-Oral presentation

EACR-sponsored 2nd Anticancer Agents Congress and 5th Multidisciplinary Cancer Research Congress. April 23th-27th 2014 Bodrum, Turkey

Doxorubicin loading, release and stability in dendrimer coated magnetic nanoparticles for targeted drug delivery-Oral presentation

International Porous and Powder Materials: PPM 2013. September 3rd -6th 2013 Cesme, Izmir, Turkey

The Cytotoxicity Analysis of PHB Coated Magnetic Nanoparticles on Sensitive and Doxorubicin Resistant MCF-7 Cell Lines - Poster

4th International Conference: NANOCON. October 23rd - 25th 2012 Brno, Czech Republic

In Situ Synthesis and Characterization of Chitosan Coated Iron Oxide Nanoparticles – Poster

4th International Conference: NANOCON. October 23rd - 25th 2012 Brno, Czech Republic

Loading Efficiency Optimization of Doxorubicin on Dendrimer Coated Magnetic Nanoparticles using Different Buffers-Poster

4th International Conference: NANOCON. October 23rd - 25th 2012 Brno, Czech Republic

Comparison of Pseudomonas and Aeromonas Abilities for Degrading Linear Alkyl Benzene Sulfonates in Sewages of Detergent Producing Factories- Oral presentation

The 8th National Congress of Environmental Health. 2005 Tehran-Iran

Abilities of Bacteria for Degrading Linear Alkyl Benzene Sulfonates in Sewages of Detergent Producing Factories-Oral presentation

The 7th Iranian Congress of Microbiology. 2005 Semnan-Iran

REVIEWER IN

1. Chemical Communications - Royal Society of Chemistry
2. Current Eye Research
3. Biochemistry and Biotechnology Research
4. Artificial Cells, Blood Substitutes, and Biotechnology: An International Journal
5. IGI Global- Handbook of Research on Novel Approaches for Drug Delivery- Multifunctional Drug Nanocarriers of Dendrimers (Chapter)
6. Archives of Hematology Case Reports and Reviews

7. Process Biochemistry

PROJECT COLLABORATIONS

1. Research fund project (BAP1) Funding agency: BAP1. Project code: BAP-07-02-2012-101-70.

Project name: **Preparation of Anti-HER2 bound PHB polymer coated magnetic nanoparticles and application of them to MCF-7 Breast Cancer Cell Line.**

Institution: METU. Start: 01/01/2012, Finish: 31/12/2012

2. Research fund project (BAP1) Funding agency: BAP1. Project code: BAP-07-02-2012-101-71.

Project name: **Preparation of Anti-HER2 bound PHB polymer coated magnetic nanoparticles and application of them to MCF-7 Breast Cancer Cell Line.**

Institution: METU. Start: 01/01/2013, Finish: 31/12/2013

3. 1002 - Short Term R&D Funding Program (TUBITAK)

Project name: **Poly-amidoamine (PAMAM) Dendrimer Modified Magnetic Nanoparticle Synthesis for CpG Oligodeoxynucleotide Delivery in Breast Cancer Cell Lines**

4. 3001 - R&D Funding Program (TUBITAK)

Project name: **Determination of the Relationship between the Expression Levels of Genes Involved in Doxorubicin Resistance and WNT Signaling Pathways**

5. 1001 - R&D Funding Program (TUBITAK)

Project name: **Investigation of the Roles of THY1 (CD90) Protein in Resistance against Chemotherapeutic Agents in Cancer Cells via Glycocalyx and Glycosylation**

FELLOWSHIPS AND AWARDS

September 2016

The EMBO Meeting 2016 travel grant

May 2015

Young Investigator scholarship of MOKAD
(Molecular Cancer Research Association)

October 2014- 2015	Success Scholarship Program (Turkey)
September 2014	Travel award of FEBS congress (The Federation of European Biochemical Societies)
September 2014	Registration award of FEBS congress (The Federation of European Biochemical Societies)
April 2014	Travel award of MOKAD (Molecular Cancer Research Association)
April 2014	Young Investigator scholarship of MOKAD (Molecular Cancer Research Association)
October 2010-2014	PhD Fellowship for Foreign Citizens (TUBITAK)

TRANSLATIONS

Solomon Biology. 3rd volume. (Eldra Solomon) 2010, English to Farsi

EMPLOYMENT HISTORY

2008-2009	Nobel Food Quality Determination Laboratory, Microbiology, Laboratory, Tabriz, Iran
2000-2001	Iran Medical and Pathology Laboratory

LANGUAGE SKILLS

English (TOEFL/ Fluent)
Azeri (Mother tongue)
Farsi (Fluent)
Turkish (Fluent)
German (Beginner)
French (Beginner)

MEMBERSHIPS

European Association for Cancer Research (EACR)
Molecular cancer research center (MOKAD)-Turkey