

## **In The Name of God**

### **Curriculum Vitae**

**Behrang Shiri Varnamkhasti, Pharm.D., Ph.D**

#### **Personal Information:**

**Name:** Behrang

**Surname:** Shiri Varnamkhasti

**Date of Birth:** September 23, 1979

**Sex:** Male

#### **Address:**

- 1) Faculty of Pharmacy, Kermanshah University of Medical Sciences, Kermanshah, Iran.
- 2) Nano Drug Delivery Research center, Faculty of Pharmacy, Kermanshah University of Medical Sciences, Kermanshah, Iran.

#### **Residency:**

Residence in Iran Kermanshah Golrizan avenue, chale chale street, Block 31, flat 4.

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#### **EDUCATION:**

**Ph.D.:**

Nanotechnology Research Center, Faculty of Pharmacy, Tehran University of Medical Sciences, Tehran, Iran (2011, 2016)

Supervisor: Dr. Dinarvand R, Professor

**Pharm.D.:**

Faculty of Pharmacy, Jondishapour University of Medical Sciences, Ahwaz, Iran (1998, 2004)

Supervisor: Dr.A.Ashnagar professor

GPA: 17.02/20

**Experience:**

- GMP inspector at Ministry of Health and Education of Iran . 2016-2017
- Expert at Drug and Narcotic Affairs Control Office at Ministry of Health and Education of Iran . 2015-2017
- 2015: As a member of executive committee in 14th Iranian Pharmaceutical sciences Congress (IPSC 2015). 21-24 December 2015 Tehran, Iran.
- 2015: As a referee and evaluating papers in the field of Pharmaceutical technology and Pharmaceutical Nanotechnology in 14th Iranian Pharmaceutical sciences Congress (IPSC 2015). 21-24 December 2015 Tehran, Iran.
- Pharmacy Inspector at Jondishapour University of Medical Sciences, Ahwaz, Iran (2004, 2006)
- Contributed in the 1st conference of pharmacy in clinic and industry, as an executive member. October 2000, Ahvaz-Iran.

**Researches:**

- “Study of Synthesis of Barbiturates”. Faculty of Pharmacy, Jondishapour University of Medical Sciences, Ahwaz, Iran.

- “Conjugated aptamer-hyaluronic acid-SN38 nanostructures against colorectal cancer cells  
”Faculty of Pharmacy, Tehran University of Medical sciences, Tehran, Iran.
- “ Conjugated structures of SN38-hyaluronic acid gold nanostructures for targeted drug delivery against metastatic colon cancer”. Tehran University of Medical sciences, Tehran, Iran.
- “ Specific targeting paclitacel by HSA coated chitosan nanoparticle conjugated to muc1 aptamer”. Tehran University of Medical sciences, Tehran, Iran.

### **Honors, Distinctions, and Scientific Societies Membership:**

#### **Awards:**

- 1<sup>st</sup> rank of Pharmaceutical Nanotechnology, Tehran University of Medical Sciences (2012, 2013, 2104).
- 1<sup>st</sup> rank of Pharmaceutical Nanotechnology, National Entrance Exam (PhD) 2011.
- 1<sup>st</sup> rank of Pharmacy Doctorate, Jondishapour University of Medical Sciences, Ahwaz (2001).
- 1<sup>st</sup> rank of 16th Basic Sciences comprehensive Exam of Students of Pharmacy September 2001.

#### **Memberships:**

- Nanotechnology research center, Kermanshah university of Medical sciences.
- Students' Scientific Research Center (SSRC) & Exceptional Talent Development Center (ETDC) of Tehran university of Medical sciences.

#### **Publications:**

- **Thesis:**

**Shiri B.** "Conjugated aptamer-hyaluronic acid-SN38 nanostructures against colorectal cancer cells

". Ph.D. Thesis. Faculty of Pharmacy, Tehran University of Medical sciences, Tehran, Iran.

**Shiri B.** "Synthesis of Barbiturates". Pharm.D. Thesis. Faculty of Pharmacy, Jondishapour University of Medical Sciences, Ahwaz, Iran.

- **Articles:**

1. **Behrang Shiri Varnamkhasti**, Hosniyeh Hosseinzadeh, Morteza Azhdarzadeh, Seyed Yaser Vafaei, Mehdi Esfandyari-Manesh, Zahra H. Mirzaie, Mohsen Amini, Seyed Nasser Ostad, Fatemeh Atyabi, and Rassoul Dinarvand. "Protein corona hampers targeting potential of MUC1 aptamer functionalized SN-38 core-shell nanoparticles." *International journal of pharmaceutics* 494, no. 1 (2015): 430-444.
2. Shanehsazzadeh S, Grüttner C, Yousefnia H, Lahooti A, Gholami A, Nosrati S, Zolghadri S, Anijdan SH, Lotfabadi A, **Shiri Varnamkhasti Behrang**, Daha FJ. Development of <sup>177</sup>Lu-DTPA-SPIO conjugates for potential use as a dual contrast SPECT/MRI imaging agent. *Radiochimica Acta* (2015).
3. Panahi, Yunes, Behrad Darvishi, Mostafa Ghanei, Narges Jowzi, Fatemeh Beiraghdar, and **Behrang Shiri Varnamkhasti**. "Molecular mechanisms of curcumins suppressing effects on tumorigenesis, angiogenesis and metastasis, focusing on NF-κB pathway." *Cytokine & Growth Factor Reviews* (2016).
4. Behrouz, Hossein, Mehdi Esfandyari-Manesh, Mohammad Kazem Khoeeniha, Mohsen Amini, **Behrang Shiri Varnamkhasti**, Fatemeh Atyabi, and Rassoul Dinarvand. "Enhanced cytotoxicity to cancer cells by co-delivery and controlled release of paclitaxel-loaded sirolimus conjugated albumin nanoparticles." *Chemical Biology & Drug Design* (2016).

5. Azhdarzadeh, Morteza, Fatemeh Atyabi, Amir Ata Saei, **Behrang Shiri Varnamkhasti**, Yadollah Omidi, Mohsen Fateh, Mahdi Ghavami, Saeed Shanehsazzadeh, and Rassoul Dinarvand. "Theranostic MUC-1 aptamer targeted gold coated superparamagnetic iron oxide nanoparticles for magnetic resonance imaging and photothermal therapy of colon cancer." *Colloids and Surfaces B: Biointerfaces* (2016).
6. Esfandyari-Manesh, Mehdi, Ali Mohammadi, Fatemeh Atyabi, Seyedeh Maryam Nabavi, Seyedeh Masoumeh Ebrahimi, Elnaz Shahmoradi, Behrang Shiri Varnamkhasti, Mohammad Hossein Ghahremani, and Rassoul Dinarvand. "Specific targeting delivery to MUC1 overexpressing tumors by albumin-chitosan nanoparticles conjugated to DNA aptamer." *International journal of pharmaceutics* 515, no. 1 (2016): 607-615.
7. Khoeeniha M. K, M. Esfandyari-Manesh, H. Behrouz, M. Amini, Behrang Shiri Varnamkhasti, F. Atyabi, and R. Dinarvand. "Targeted delivery of cabazitaxel by conjugation to albumin-PEG-folate nanoparticles using a cysteine-acrylate linker and simple synthesis conditions." *Current drug delivery* (2016).
8. Hosseinzadeh Hosniyeh, Fatemeh Atyabi, Behrang Shiri Varnamkhasti, Reza Hosseinzadeh, Seyed Nasser Ostad, Mohammad Hossein Ghahremani, and Rassoul Dinarvand. "SN38 conjugated hyaluronic acid gold nanoparticles as a novel system against metastatic colon cancer cells." *International Journal of Pharmaceutics* 526, no. 1 (2017): 339-352.

- **Submitted Articles:**

1. Hyaluronic acid-naproxen conjugate Synthesis, characterization and implications for active sub-cellular targeting to macrophages

- **Conference proceeding and abstracts:**

- Poster presentation in 14th Iranian Pharmaceutical sciences Congress (IPSC2015). 21-24 December 2015, Tehran, Iran.
- Poster presentation in The 1st Middle East Controlled Release Conference (MECRC 2014) and The 6th Iranian Controlled Release Conference (ICRC 2014). 25-27, February 2014, Tehran, Iran.

- Poster presentation in 14<sup>th</sup> Iranian Chemistry & Chemical Engineering Congress. “Novel Synthesis of Barbiturates”. 17-19 February 2004, Tehran, Iran.
- **Certificates (Attended Workshops):**
- 2014: patent Workshop, by Controlled Release Society (ICRC 2014). In collaboration with Tehran University of Medical Sciences, Tehran, Iran.
- 2014: Business planning Workshop, by Controlled Release Society (ICRC 2014). In collaboration with Tehran University of Medical Sciences, Tehran, Iran.
- 2014: Tissue engineering Workshop, by Controlled Release Society (ICRC 2014). In collaboration with Tehran University of Medical Sciences, Tehran, Iran.
- 2014: Drug Registration Workshop, by Controlled Release Society (ICRC 2014). In collaboration with Tehran University of Medical Sciences, Tehran, Iran.
- 2014: Pharmaceutical Quality control Workshop, by Controlled Release Society (ICRC 2014). In collaboration with Tehran University of Medical Sciences, Tehran, Iran.
- 2014: Pharmacometrics Workshop, by Controlled Release Society (ICRC 2014). In collaboration with Tehran University of Medical Sciences, Tehran, Iran.

**Skills:**

Language skills:

- English
- Persian

Computer knowledge:

- Familiar with SPSS
- Familiar with Experimental design

- Microsoft office (word, excel, power point)
- ChemBio Office Ultra
- FlowJo
- End note
- Sigma Plot
- Graph Pad Prism
- Usual computer skills

Laboratory skills:

- Polymeric nanoparticles preparation and characterization
- Usual laboratory techniques
- Operation and driving DLS
- High performance liquid chromatography (HPLC)
- Operation and driving MTT assay
- Gas Chromatography/MS
- Familiar with confocal microscopy
- Operation and driving apoptosis assay
- Familiar with Flow cytometer

**References:**

1. **Dinarvand R**, Professor, Nanotechnology Research Center, Faculty of Pharmacy, Tehran University of Medical Sciences.
2. **Ashnagar A**, Professor, Faculty of Pharmacy, Jondishapour University of Medical Sciences, Ahwaz, Iran.