

In the name of God

Name: Poopak

Surname: Farnia

Field: Medical biotechnology

Academic rank: Assistant Professor

Education:

Degree	Institution
Doctor of veterinary medicine	Tehran university
PhD of Medical biotechnology	Shahid Beheshti University of Medical sciences

Work Address: Mycobacteriology Research Centre, National Research Institute of Tuberculosis and Lung Disease (NRITLD), Shahid Beheshti University (Medical Campus), Darabad, Tehran, Iran

E-mail: p.farnia@sbmu.ac.ir
pk_farnia@yahoo.com

Articles:

- 1- Improvement of curcumin solubility by polyethylene glycol/chitosan-gelatin nanoparticles (CUR-PEG/CS-G-nps). Poopak Farnia, Saeed Mollaei, Afshin Bahrami, Alireza Ghassempour, Ali Akbar Velayati, Jalaleddin Ghanavi. Biomedical Research 2016; 27 (3): 659-665
- 2- Increased production of soluble vascular endothelial growth factors receptor-1 in CHO-cell line by using new combination of chitosan-protein lipid nanoparticles. Poopak Farnia, Jalaleddin Ghanavi, Afshin Bahrami, Mojgan Bandehpour, Bahram Kazemi, Ali Akbar Velayati. Int J Clin Exp Med 2015;8(1):1526-1533

- 3- Cloning and expression of soluble vascular endothelial growth factors receptor-1 (sFlt-1) fragments in CHO-K1. Poopak Farnia, Mojgan Bandehpour, Jalaleddin Ghanavi, Bahram Kazemi. *Int J Clin Exp Med* 2013;6(9):773-778
- 4- Sequential adaptation in latent tuberculosis bacilli: observation by atomic force microscopy (AFM). Ali Akbar Velayati, Parissa Farnia, Mohammad Reza Masjedi, Gennady onstantinovich Zhavnerko, Muayad Aghali Merza, Jalladein Ghanavi, Payam Tabarsi, Poopak Farnia, Nikolai Nikolaevich Poleschuyk, George Ignatyev. *Int J Clin Exp Med* 2011;4(3):193-199
- 5- New insight into extremely drug-resistant tuberculosis: using atomic force microscopy. Velayati AA, Farnia P, Merza MA, Zhavnerko GK, Tabarsi P, Titov LP, Ghanavei J, Farnia P, Setare M, Poleschuyk NN, Owlia P, Sheikolslami M, Ranjbar R, Masjedi MR. *Eur Respir J*. 2010; 36(6):1490-3.
- 6- Growth and cell-division in extensive (XDR) and extremely drug resistant (XXDR) tuberculosis strains: transmission and atomic force observation. Farnia P, Mohammad RM, Merza MA, Tabarsi P, Zhavnerko GK, Ibrahim TA, Kuan HO, Ghanavei J, Farnia P, Ranjbar R, Poleschuyk NN, Titov LP, Owlia P, Kazampour M, Setareh M, Sheikolslami M, Migliori GB, Velayati AA. *Int J Clin Exp Med*. 2010 Sep 30;3(4):308-14.
- 7- Differences in Cell Wall Thickness between Resistant and Nonresistant Strains of Mycobacterium tuberculosis :Using Transmission Electron Microscopy. Ali Akbar Velayati Parissa Farnia, Tengku Azmi, Ibrahim Rafiuz Zaman, Jalaleddin Ghanavi ,Poopak Farnia, Ali Naghee Kabarei, Payam Tabarsi, Abdul Rahman Omar, Mohammad Varahram, Mohammad Reza Masjedi. *Chemotherapy* 2009;55:303–307
- 8- Totally drug-resistant tuberculosis strains: evidence of adaptation at the cellular level. Velayati AA, Farnia P, Masjedi MR, Ibrahim TA, Tabarsi P, Haroun RZ, Kuan HO, Ghanavi J, Farnia P, Varahram M. *Eur Respir J*. 2009 Nov;34(5):1202-3.
- 9- Colorimetric Detection of Multidrug-Resistant or Extensively Drug-Resistant Tuberculosis by Use of Malachite Green Indicator Dye. Parissa Farnia, Mohammad Reza Masjedi, Foroozan Mohammadi, Payam Tabarsei, Poopak Farnia, Ali Reza Mohammadzadeh, Parvaneh Baghei, Mohammad Varahram, Sven Hoffner, and Ali Akbar Velayati. *JOURNAL OF CLINICAL MICROBIOLOGY*, Feb. 2008, p.796–799
- 10- Histological Assessment of Pulp Condition after Apical Vital Root Transection in One Root of Multirrooted Teeth in Dogs: A Preliminary Study. Massoud Yaghmaiee, DDS, MS, Amir Saeed Yavari, DDS, Fatemeh Mashhadiabbas, DDS, MS, Afshin Bahrami,

DVM, Poopak Farnia, DVM, Davoud Sharifi, DVM, Jalaleddin Ghanavi, MD and Behnan Eslami, DDS, MS. JOE, Volume 33, Number 9, September 2007

- 11- Modified Sleeve Anastomosis in Large Muscular Arteries of Sheep.H. Peirovi, P. Farnia, A. Bahrami, Z. Mohsenifar, B.S. Kashani and J.-E. Ghanavi. Eur J Vasc Endovasc Surg 30,381–385 (2005)
- 12- Cartilage Tissue Engineering.Jalal-edin Ghanavi, Zhaleh Mohsenifar, Poopak Farnia, Habibollah Peyravi. *Tanaffos* (2005) 4(14), 9-18
- 13- Evaluation of Vascular Access Using Cryopreserved Jugular Vein (Experimental Study). Seyed Hamed Ghodsi Khorsand, Hossein Banazadeh, Jalaleddin Ghanavi, Poopak Farnia, Afshin Bahrami, Mohammad Rakhshan, Jaleh Mohsenifar, Naser Valaei, Habibollah Peyravi. *Tanaffos* (2004) 3(10), 13-17
- 14- Improving Sensitivity of Direct Microscopy for Detection of Acid-Fast Bacilli in Sputum: Use of Chitin in Mucus Digestion.P. Farnia, F. Mohammadi, Z. Zarifi, D. J. Tabatabaee, J. Ganavi, K. Ghazisaeedi, P. K. Farnia, M. Gheydi, M. Bahadori, M. R. Masjedi, and A. A. Velayati. JOURNAL OF CLINICAL MICROBIOLOGY, Feb. 2002, p. 508–511

۱۵- مایکوباکتریوم بویس ، پوپک فرنیا، مجله علمی ترویجی میکروب شناسی سل، شماره سوم ، پاییز ۸۹

۱۶- نانوتکنولوژی و پیامدهای اخلاقی آن، پوپک فرنیا ، جلال الدین غنوی ، محمود عباسی ، علی اکبر ولایتی، فصلنامه اخلاق زیستی ، سال اول ، شماره دوم ، زمستان ۹۰

US patent:

- 1- Nonviral targeted nanoparticle system for gene transfer and drug delivery; Jalaleddin Ghanavi, Poopak Farnia; Pub. No.: US 2014/0370500 A1

Congresses:

- 1- Poopak Farnia, Jalaleddin Ghanavi , Saeed Mollaei, Afshin Bahrami, Ali Akbar Velayati.Modification of ChPL (chitosan protein lipid) nanoparticles for *in vitro* release of rifampicin (RIF); The 1st Asian-African Congress of International Journal of Mycobacteriology, Iran. March 2015

- 2- Baniasadi S, Pourabdollah M, Farnia P, Mohammadi F, Ghanavi J. Time course of bleomycin induced pulmonary fibrosis and the antifibrotic effect of losartan. ERS Annual Congress, Stockholm, 2007

Research Projects:

- ۱- مجری طرح فرمولاسیون داروی ریفامپین به شکل آهسته رهش
- ۲- مجری طرح فرمولاسیون نانوذره کورکومین و تاثیر آن در ممانعت از تکثیر سلول سرطان کبد HepG2 و سلول سرطان ریه
- ۳- همکار طرح فرمولاسیون نانوذره توبرامایسین با استفاده از حامل طبیعی
- ۴- همکار طرح کلونینگ و بیان sFlt-1 در سلول CHO توسط نانوذره ساخته شده در آزمایشگاه
- ۵- همکار طرح ساخت تراشه زیست مصنوعی
- ۶- همکار طرح تلسکوپیک آناستوموز در شریان کاروتید گوسفند
- ۷- همکار طرح کرایوپرزرویشن عروق و پیوند آن به روش access عروقی
- ۸- همکار طرح نانو پارسیکل‌های اختصاصی ضد مایکوباکتریوم توبوکلوزیس
- ۹- همکار طرح کلونینگ و بیان فاکتور رشد اپیدرمال انسانی
- ۱۰- همکار طرح بررسی اثر حذف سلول های آندوتلیال دریچه قلب گوسفند بر رد پیوند گز نوگرافت
- ۱۱- همکار طرح ساخت کبد زیست مصنوعی