

CURRICULUM VITAE

Dina Soroush Aval

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Personal information:

Birth Date: July 21th, 1980

Gender: Female

Nationality: Iranian

Marital status: married

Education and Qualifications:

B. Sc.: (1998-2002) pure Biology, Mashhad University, Khorasan, Iran.

M. Sc.: (2006-2008) Biochemistry, Payamenoor university, mashhad, Iran.

Career obtective

Technical and scientific research activities in biological chemistry, pharmaceuticals , Nanobiotechnology

Language skills

Persian: native; English: fluently

Technical/Professional Skills & Competences

Mother tongue: Persian

Other language (languages): English, good at both general & technical (biochemistry)

Social skills & competences: Good communication skills

Organizational skills & competences: leadership, teamwork

Technical skills & competences: UV-Visible Spectroscopy, PCR, Extrusion, microfluidic, HPLC, ELISA, Cell culture, chromatography, Dialysis, SDS-PAGE, Liposome preparation.

Computer skills: windows, office (excel, access, powerpoint, word), internet and searching.

Research to Date

Research activities in Biochemistry and nanobiotechnology.

International Publications:

- 1) Jaafari M.R., Badiee A., Khamesipour A., Samiei A., Soroush D., Tavassoti Kheiri M.T., Barkhordari F., McMaster W.R., Mahboudi F. (2007) The role of CpG ODN in enhancement of immune response and protection in BALB/c mice immunized with recombinant major surface glycoprotein of *Leishmania* (rgp63) encapsulated in cationic liposome, *Vaccine* 25: 6107-6117 (2007).
- 2) Badiee A, Jaafari MR, Samiei A, Soroush D, Khamesipour A. Coencapsulation of CpG oligodeoxynucleotides with recombinant *Leishmania* major stress-inducible protein 1 in liposome enhances immune response and protection against leishmaniasis in immunized BALB/c mice. *Clin Vaccine Immunol.* 2008 Apr;15(4):668-74 .
- 3) Badiee A., Jaafari M.R., Khamesipour A., Samiei A., Soroush D., Tavassoti Kheiri M., Barkhordari F., McMaster W.R., Mahboudi F.

- (April 2009) The role of liposome charge on immune response generated in BALB/c mice immunized with recombinant major surface glycoprotein of Leishmania (rgp63), *Exp. Parasitol.* 121 (4): 362-9.
- 4) Jaafari M.R., Bavarsad N, Fazly Bazzaz B.S., Samiei A., Dina Soroush, Ghorbani S., Lotfi Heravi M.M., Khamesipour A. (June 2009) The Effect of Topical Liposomes Containing Paromomycin Sulfate (PM) in the Course of Leishmania major Infection in Susceptible BALB/c Mice. *Antimicrob. Agents Chemother.* 53 (6): 2259-2265.
 - 5) Abrishami M, Ganavati SZ, Soroush D, Rouhbakhsh M, Jaafari MR, Malaekheh-Nikouei B. Preparation, characterization, and in vivo evaluation of nanoliposomes-encapsulated bevacizumab (avastin) for intravitreal administration. *Retina.* 2009 May;29(5):699-703
 - 6) Badiee A, Jaafari MR, Khamesipour A, Samiei A, Soroush D, Kheiri MT, Barkhordari F, McMaster WR, Mahboudi F. (2009) Enhancement of immune response and protection in BALB/c mice immunized with liposomal recombinant major surface glycoprotein of Leishmania (rgp63): The role of bilayer composition. *Colloids Surf B Biointerfaces.* 74: 37-44 .

National Publications:

- 1) Badiee A., Jaafari M.R., Samiei A., D. Soroush D., Khamesipour A. (2006) Immune response evaluation against leishmaniasis using liposomes containing rLmSTI1 in murine model. *Iranian J. Basic Med. Sc.* 8 (4): 215-225 (Persian)

International Conference Presentations

- 1) Jaafari, M.R. Badiee A. Samiei A., Soroush D., Khamesipour A., Amani M., Mahboudi F., Vaccination of BALB/c Mice against cutaneous leishmaniasis (CL) using liposomes containing recombinant major surface glycoprotein of leishmania (rGP63) and CPG ODNs, WORLDleish 3, April 10-15, 2005, Terrasini, Palermo, Italy Abstract book: page: 257.
- 2) Badiee A., Jaafari M.R., Samiei A., Soroush D., Webb J., Khamesipour A., Immunization of BALB/c mice against cutaneous leishmaniasis (CL) using liposomes containing rLmSTI1 and CPG ODNs, WORLDleish 3, April 10-15, 2005, Terrasini, Palermo, Italy Abstract book: page: 238.
- 3) M. R. Jaafari, A. Khamesipour, A. Samiei, D. Soroush, M. Tavassoti Kheiri, F. Barkhordari, and F. Mohboudi, Vaccination of BALB/c mice against cutaneous leishmaniasis using LPD nanoparticles containing rLmaCIN prepared with CpG Oligodeoxynucleotides. 11th Liposome Research Days Conferences, Innovation from Liposome, July 19-22, 2008, Yokohama, Japan, Abstract Book: page 211.
- 4) M. R. Jaafari, A. Badiee, A. Khamesipour, A. Samiei, D. Soroush, M. Tavassoti Kheiri, F. Barkhordari, and F. Mohboudi, The role of liposome charge on immune response generated in BALB/c mice immunized with recombinant major surface glycoprotein of leishmania (rGP63). 11th Liposome Research Days Conferences, Innovation from Liposome, July 19-22, 2008, Yokohama, Japan, Abstract Book: page 216.

- 5) N. Bavarsad, M. R. Jaafari, S. Fazly Bazaz, M. M. Lotfi Heravi, S. Ghorbani, A. Samiei, D. Soroush, A. Khamesipour, Activity of topical liposomes containing paromomycin sulfate against experimental cutaneous leishmaniasis. 11th Liposome Research Days Conferences, Innovation from Liposome, July 19-22, 2008, Yokohama, Japan, Abstract Book: page 122.

national Conference Presentations

- 1) Jaafari MR*, Badiee A, Khamesipour A, Samiei A, Soroush D, Abbasi A, Tavassoti Kheiri M, Barkhordari F, Mahboudi F: Immunization of BALB/c Mice against Leishmaniasis using LPD Nanoparticles Containing rgp63 and rLmaCIN Prepared with CpG Oligodeoxynucleotides: Nanomedicine, Nanobiotechnology, Nanobiosensors And Nanomaterials In Medical Science 14-16 July 2009- Mashhad-Iran.
- 2) Moosavian S.A*, Abbasi A, Soroush D, Jaafari M.R, Activity of topical liposomes containing Glucantime against experimental cutaneous leishmaniasis: Nanomedicine, Nanobiotechnology, Nanobiosensors And Nanomaterials In Medical Science 14-16 July 2009- Mashhad-Iran.