

## PERSONAL DATA

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*Name:* Saeid Amel-Jamehdar  
*Date of Birth:* March 1, 1975  
*Contact Info:* Department of Microbiology and Virology,  
 Faculty of Medicine,  
 Mashhad University of Medical Sciences,  
 Mashhad, Iran  
*Office phone:* +98 (511) 8012589  
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*Home page:* <http://www.mums.ac.ir/medical/fa/DrSaeidAmel>

## EDUCATION

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*PhD*  
 2001 – 2006  
 Dept. of Virology, Faculty of Medical Sciences, Tarbiat Modares University (Iran)  
*Supervisor:* Prof. Farzaneh Sabahi  
*Topic of Dissertation:* Using the Real Time RT-PCR and Quantitative Competitive RT-PCR-ELISA Methods for Quantifying the Human Immunodeficiency Virus (Type 1) During the Antiretroviral Treatment  
*Overall GPA:* 19/20

*MSc*  
 1999 – 2001  
 Dept. of Virology, Faculty of Medical Sciences, Tarbiat Modares University (Iran)  
*Supervisor:* Prof. Farzaneh Sabahi  
*Title of Thesis:* Using the Lymphocyte Proliferation Assay and the Virus Neutralization Test for Measuring Measles-Specific Immunity  
*Overall GPA:* 18.45/20

*BSc*  
 1994 - 1999  
 Dept. of Clinical Laboratory Sciences, Mashhad University of Medical Sciences (Iran)  
*Overall GPA:* 18.39/20

## EMPLOYMENT

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2007 – present  
 Mashhad University of Medical Sciences (Iran)  
 Faculty of Medicine  
*Rank:* Assistant Professor

- 2011 – present Avicenna Research Institute – Mashhad University of Medical Sciences (Iran)  
Microbiology and Virology Research Centre  
*Position:* Member of the Directing Board
- 2008 – present Avicenna Research Institute – Mashhad University of Medical Sciences (Iran)  
Microbiology and Virology Research Centre  
*Position:* Senior Researcher
- 2001 – 2006 Tarbiat Modares University (Iran)  
Dept. of Virology – Faculty of Medical Sciences  
*Position:* Research Assistant

## RESEARCH

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- Research Interests*
- Diagnosis of Viral Infectious Diseases by Means of Molecular methods
  - Application of Real-Time PCR/RT-PCR in the detection of Viral and Bacterial Pathogens

- Journal Publications*
- Amel Jamehdar, S., Sabahi, F., Zandi, K., Shafiee, A., Faghihzade, H., Azizi-Jalilian, F. Antigen-Specific Lymphocyte Proliferation Assay and Virus Neutralization Test for Measurement of Measles-Specific Immunity in 15-19 Years Old High School Students in Tehran, Iran. *Pakistan Journal of Biological Sciences*. 10 (22): 4144-4147. 2007.
  - Doozandeh, J., Ravanshad, M., Amel Jamehdar, S., Sabahi, F. Development of a sensitive RT-Nested PCR for detection of HIV-1 infection. *Scientific Journal of Iranian Blood Transfusion Organization*. 3 (4): 309-315. 2007.
  - Amel Jamehdar, S., Sabahi, F., Forouzandeh, M., Haji-Abdolbaghi, M., Kazemnejad, A., Edalat, R., Rasoolinejad, M., Barkhordari, F., Mahboudi, F. Development of SYBR Green Real Time RT-PCR for Quantification of Human Immunodeficiency Type-1 (HIV-1) Viral RNA: Comparison with COBAS AMPLICOR HIV-1 Monitor Test. *Journal of Tarbiat Modares University*. 10 (2): 43-50. 2008.
  - Amel Jamehdar, S., Sabahi, F., Forozandeh, M., Hajiabdolbaghi, M., Kazemnejad, A., Mahboudi, F. Evaluation of a New, Highly Sensitive and Specific Primer Set for Reverse-Transcriptase PCR Detection of HIV-1 Infected Patients: Comparison with Standard Primers. *Journal of Biological Sciences*. 7 (6): 954-958. 2007
  - Goshaiishi Le, Norozi J, Khajeh Karamadini M, Vahid Roudsari F, Ghazvini K, Nomani H, and Amel Jamehdar S\*. Prevalence of Chlamydia Trachomatis by PCR in Infertile Women Referred to Montasarieh Study Center of Infertility in Mashhad.

*Journal Publications  
(Contd.)*

To be submitted to the Journal of Obstetrics, Gynecology and Infertility..

- Khajeh Karamadini M, Hashemi SA, NaderiNasab M, Meshkat Z\*, Amel Jamehdar S. Prevalence of Chlamydia Infection in the Urinary Tract and Cervical Samples Sent to the Ghaem Hospital in Mashhad. Journal of Obstetrics, Gynaecology and Infertility. 6: 17-22,1389.
- Amel Jamehdar, S. Enrichment and Separation of Lytic Bacteriophage against Pseudomonas Aeroginoza Isolates resistant to Antibiotics. Journal of Medical Microbiology of Iran. 2: 72-76. 2007.

*Refereed Conference  
Publications*

- Amel Jamehdar, S., Goshayeshi, L., Nowroozi, J., Khajeh-Karamadini, M., Ghazvini, K., Vahid, F. Clinical Evaluation of PCR Coupled with Soluble Hybridization for Detection of Chlamydia Trachomatis in Infertile Women. International Congress of Malaysian Society for Microbiology, Malaysia, 2009.
- Khaje-Karamadini, M., Amel-Jamehdar, S., Meshkat, Z., Mozafari, N., Saed, N. Protective Effect of Rosa Damascenas against Helicobacter Pylori. EACID, Baku, Azerbaijan, 2009.
- Darban-Hosseini, M., Amel-Jamehdar, S., Khaje-Karamadini, M., Derakhshan, M., Meshkat, Z., Noemani, H. Development of a Taq Man Real-Time PCR for Sensitive Detection of Mycobacterium Tuberculosis. 3<sup>th</sup> Iranian Clinical Microbiology Congress, Shiraz, Iran, 2009.
- Noemani, H., Amel-Jamehdar, S., Aelami, M., Amirian, M., Ghazvini, K. Frequency of Respiratory Syncytial Virus in the Lower Respiratory Tract of Hospitalized Infants. 3<sup>th</sup> Iranian Clinical Microbiology Congress, Shiraz, Iran, 2009.
- Darban-Hosseini, M., Khaje-Karamadini, M., Derakhshan, M., Amel-Jamehdar, S., Meshkat, Z., Noemani, H. Rapid Diagnosis of Mycobacterium Tuberculosis by Real Time PCR using SYBR Green I. 3<sup>th</sup> Iranian Clinical Microbiology Congress, Shiraz, Iran, 2009.
- Goshayeshi, L., Amel-Jamehdar, S., Nowroozi, J., Khajeh-Karamadini, M., Ghazvini, K., Vahid, F., Noemani, H., Fakhar, H. Detection of Chlamydia Trachomatis by PCR – ELISA in Infertile Women. 3<sup>th</sup> Iranian Clinical Microbiology Congress, Shiraz, Iran, 2009.
- Amel-Jamehdar, S., Aelami, M., Noemani, H., Ghazvini, K., Daneshamuz, H., Amirian, M. Rapid Detection of Respiratory Syncytial Virus by Real-time PCR Using SYBR-Green I. 3<sup>th</sup> Iranian Clinical Microbiology Congress, Shiraz, Iran, 2009.
- Khaje-Karamadini, M., Mozafari, N., Saed, N., Amel-Jamehdar, S., Meshkat, Z. Bactericidal Activity of Rosa Damascenas against Helicobacter Pylori. 3<sup>th</sup> Iranian

Clinical Microbiology Congress, Shiraz, Iran, 2009.

*Refereed Conference  
Publications  
(Contd.)*

- Amel-Jamehdar, S., Khaje-Karamadini, M., Derakhshan, M., Meshkat, Z., Darban-Hosseini, M., Naderi-Nasab, M., Noemani, H. Development of Two Real-Time PCR Methods for Detection of Mycobacterium Tuberculosis Complex. EACID, Baku, Azerbaijan, 2009.
- Khjeh-Kkaramadini, M., Emami, A., Alizadeh-Sani, E., Amel-Jamehdar, S., Meshkat, Z. Antiviral Effects of Artemisia Methanol Extraction on Herpes Simplex Virus Type 1. International Microbial Biotechnology Conference, Jakarta, 2008.
- Amel-Jamehdar, S., Sabahi, F., Forouzandeh, M., Haji-Abdolbaghi, M., Rasoolinejad, M. Competitive RT-PCR Coupled with Enzyme-Linked Immunosorbent Assay for Quantification of Human Immunodeficiency Virus Type 1 RNA: Comparison with Commercial Quantitative Assay. 2<sup>th</sup> AIDS Congress, Tehran, Iran, 2008.
- Amel-Jamehdar, S., Sabahi, F., Forouzandeh, M., Haji-Abdolbaghi, M., Edalat, R., Khaje-Karamadini, M. Clinical Evaluation of an In-house Competitive Quantitative RT-PCR-ELISA for Quantification of HIV-1 RNA. 2<sup>th</sup> Iranian Clinical Microbiology Congress, Shiraz, Iran, 2008.
- Doozandeh, J., Ravanshad, M., Rasouli, M., Sabahi, F., Amel-Jamehdar, S., Alborzi, A. Development of Visual DNA Chip for Detection HIV-1 Infection. 14<sup>th</sup> National & 2<sup>nd</sup> International Congress of Biology, Tehran, Iran, 2006.
- Doozandeh, J., Ravanshad, M., Sabahi, F., Amel-Jamehdar, S. Development of a Sensitive RT-Nested PCR for Detection HIV-1 Infection. 9<sup>th</sup> Iranian Genetic Congress, Tehran, Iran, 2006.
- Doozandeh, J., Ravanshad, M., Sabahi, F., Rasooli, M., Amel-Jamehdar, S. Design and development of a Visual DNA Microarray Chip for detection HIV Infection. AIDS, Toronto, Canada, 2006.
- Mohebi, R., Ravanshad, M., Sabahi, F., Amel-Jamehdar, S. Development of a Sensitive Forth Generation P24 Antigenemia Assay for Detection HIV Infection. AIDS, Toronto, Canada, 2006.
- Ravanshad, M., Mahboudi, F., Sabahi, F., Bayanolhagh, S., Amel-Jamehdar, S. Indeterminate Human Immunodeficiency Virus Western Blot Results in Iranians with Discordant Screening Assay Results. 12<sup>th</sup> International Congress of Infectious Disease, Lisbon, Portugal, 2006
- Amel-Jamehdar, S., Sabahi, F., Forouzandeh, M., Haji-Abdolbaghi, M., Kazemnejad, A., Mahboudi, F., Edalat, R., Ravanshad, M. Evaluation of a Competitive Quantitative RT-PCR-ELISA System for Quantification of HIV-1 RNA in Plasma: Comparison with COBAS Amplicor HIV-1 Monitor Test. 17<sup>th</sup> European Congress of

Clinical Microbiology and Infectious Diseases (ECCMID), 2006.

*Refereed Conference  
Publications  
(Contd.)*

- Ravanshad, M., Doozandeh, J., Sabahi, F., Amel-Jamehdar, S., A Sensitive RT-Nested PCR for Detection Human Immunodeficiency Virus (HIV) Infection. 12<sup>th</sup> International Congress of Infectious Disease, Lisbon, Portugal, 2006.
- Amel-Jamehdar, S., Sabahi, F., Forouzandeh-Moghadam, M., Kazemnejad, A., Mahboudi, F., Ravanshad, M. Quantification of Proviral Genome in Infected Patients with HIV by Real-Time PCR. 3<sup>rd</sup> Iranian Congress of Virology, 2006.
- Amel-Jamehdar, S., Sabahi, F., Forouzandeh-Moghadam, M., Kazemnejad, A., Mahboudi, F., Ravanshad, M. Quantification of Human Immunodeficiency Virus Type 1 RNA by SYBR Green Real Time RT-PCR. 3<sup>rd</sup> Iranian Congress of Virology, 2006.

*Research Funding*

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|-------|--|
| 2008: | Faculty Member Research Grant<br>Faculty of Medicine, Mashhad University of Medical Sciences |
| 2009: | Faculty Member Research Grant<br>Faculty of Medicine, Mashhad University of Medical Sciences |
| 2010: | Faculty Member Research Grant<br>Faculty of Medicine, Mashhad University of Medical Sciences |
| 2011: | Faculty Member Research Grant<br>Faculty of Medicine, Mashhad University of Medical Sciences |

## TEACHING

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*Taught Graduate  
Courses*

- *Course:* Virology (Theory and Laboratory)  
*Program:* Clinical Pathology  
*Academic Year:* 2008
- *Course:* Virology (Theory and Laboratory)  
*Program:* Microbiology  
*Academic Years:* 2008, 2009
- *Course:* Molecular Microbiology (Theory and Laboratory)  
*Program:* Microbiology  
*Academic Years:* 2008, 2009, 2010
- *Course:* Molecular Detection of Bacteria (Laboratory)  
*Program:* Microbiology  
*Academic Year:* 2009

*Taught  
Undergraduate  
Courses*

- *Course: Virology (Theory and Laboratory)*  
*Program: Nursing*  
*Academic Years: 2008, 2010, 2011*
- *Course: Laboratory Sciences (Theory and Laboratory)*  
*Program: Nursing*  
*Academic Years: 2008, 2009, 2011*

*Taught  
Undergraduate  
Courses  
(Contd.)*

- *Course: Virology (Theory and Laboratory)*  
*Program: Obstetrics*  
*Academic Year: 2008*
- *Course: Virology (Theory and Laboratory)*  
*Program: Anesthetist*  
*Academic Years: 2008, 2010*
- *Course: Virology (Theory and Laboratory)*  
*Program: Anesthetist*  
*Academic Years: 2008, 2010*
- *Course: Virology (Theory and Laboratory)*  
*Program: Operation Room*  
*Academic Years: 2008, 2010*
- *Course: Virology (Theory)*  
*Program: Emergency Medicine*  
*Academic Year: 2010*

*Graduate  
Supervision*

- Anis Emami, *Masters in Microbiology*, 2007 – 2011
- Seied-Danial Kamal-Alavi, *Medicine*, 2007 – 2011
- Seiedeh-Samaneh Hosseini, *Medicine*, 2007 – present
- Samaneh Akbarzadeh, *Medicine*, 2007 – present
- Maryam Lashgar Blouk, *Medicine*, 20010 – present
- Fahimeh Yarpour, *Medicine*, 20010 – present

*Participation in  
Graduate Defence  
Committee*

- Mohammad-Ali Mohammadi, *Masters of Microbiology*, 2006 – 2009
- Lena Goshaeishi, *Masters in Microbiology*, 2006 – 2009
- Mahboubeh Darban Hosseini, *Masters in Microbiology*, 2006 – 2009
- Maryam Mohammadnia Aval, *Residency in Pathology*, 2008 – 2010
- Mohammadreza Sharifi, *Residency in Pediatrics*, 2009 – 2011
- Maryam Jafariani, *Residency in Pediatrics*, 2009 – present

## SERVICE

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- Academic Service*
- Collaboration with the *Division of Vice-President Academic*, Mashhad University of Medical Sciences, 2007 – present
  - Collaboration with the *Division of Vice-President Research*, Mashhad University of Medical Sciences, 2007 – present
  - Collaboration with the *Division of Graduate Studies*, Mashhad University of Medical Sciences, 2007 – present
- Research Service*
- Establishing the *Isolated Laboratory of Blood Borne Viruses*, Tarbiat Modares University, Tehran, Iran, 2005
  - Curriculum development of the *Biosafety Instructions for Isolated Laboratories*, Tarbiat Modares University, Tehran, Iran, 2005
  - Peer reviewer of the *African Journal of Biotechnology*, 2008 – present
  - Peer reviewer of the *Iranian Journal of Biotechnology Sciences*, 2008 – present
  - Peer reviewer of the *Iranian Journal of Medical Science*, 2008 – present
  - Peer reviewer of the *Iranian South Medical Journal*, 2008 – present
  - Peer reviewer of the *Zahedan Journal of Research in Medical Sciences*, 2008 – present
  - Peer reviewer of the *Journal of Babol University of Medical Sciences*, 2008 – present

## AWARDS & HONOURS

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- 2001: *Ranked 3<sup>rd</sup>* in the nationwide PhD entrance exam in Virology (among approximately 200 applicants)
- 1999: *Ranked 1<sup>st</sup>* in the nationwide Masters entrance exam in Virology (among approximately 500 applicants) - as the reward, I got exempted from doing the military service which is compulsory for all Iranian males above 18.

