

Curriculum Vitae

Ramin Sarrami-Forooshani

Address:

Iran:

Home: Unit 1, No 29, Noori St., Farmanieh St., ehran

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The Netherlands:

Home: Rodelaan 251, 2272SE, Voorburg, The Netherlands.

Work: Host Defense Group, Center for Experimental Immunology (EXIM),
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PERSONAL RECORDS:

Married, Born 27 May 1972, Tehran, Iran

EDUCATION

2014-2018 Postdoctoral Fellowship, Host-Defence Group, Center for Experimental Immunology, Academic Medical Center (AMC), University of Amsterdam
Projects: Innate Immunity, HIV-1 Host Restriction Factors, Cancer Cell Therapy

2008-2014 Ph.D. Researcher (OIO), Host-Defence Group, Center for Experimental Immunology, Academic Medical Center (AMC), University of Amsterdam
Thesis Title: Cellular and Molecular Mechanisms of HIV-1 and HCV Transmission Mediated by Dendritic Cells

2006-2008 Ph.D. student, Virology, Medical Microbiology and Immunology, Faculty of Medicine, University of Alberta, Canada
Projects: Molecular Mechanism of Super Infection Exclusion of HIV and HBV & Analysis of differential effects of Langerhans cell And its C-type lectin, Langerin, in sexual transmission of HIV, HBV and HCV

2002 Passed nationwide scholarship exam for overseas postgraduate education (a highly competitive examination). Received Iranian Ministry of Health scholarship for PhD degree in Virology.

2000 Passed the entrance exam for PhD in Virology at Tarbiat Modarres University (TMU), a fully accredited postgraduate studies center in Tehran, Iran.

1998-2002 M.Sc. in Virology, Virology Department, Faculty of Medical Sciences, Tarbiat Modarres University (TMU), Tehran, Iran.
Thesis Title: “Design and Construction of Recombinant Expression Vectors Encoding Three Hepatitis B Surface Antigens as DNA Vaccine Candidates and Evaluation of Their Expression in Mammalian Cells”.

1994-1998 BS Degree in Molecular and Cellular Biology, Faculty of Basic Science, Tehran University, Tehran, Iran.

SPECIAL TRAINING, COURSES, SEMINAR & WORKSHOP

- 1- The intriguing biology of host defense, Annual Dutch Society for Immunology Lunteren Symposium, Lunteren, The Netherlands, March 31-April 1, 2016
- 2- The next 50 years in Immunology, Annual Dutch Society for Immunology Lunteren Symposium, Lunteren, The Netherlands, March 26-27, 2015
- 3- 'Mucosal Immunology: crossing borders, Annual Dutch Society for Immunology Lunteren Symposium, Lunteren, The Netherlands, 3-4 April, 2014
- 4- The intracellular logistics of inflammation, Annual Dutch Society for Immunology Lunteren Symposium, Lunteren, The Netherlands, 4-5 April, 2013
- 5- APCs revisited: The function of antigen presenting cells in health and disease, NVVI Lunteren Course, Lunteren, The Netherlands, 3-4 April, 2012
- 6- Confocal Microscopic Analysis, Molecular Cell Biology and Immunology Department, VU Medical Center, 2008 and Center for Cellular Biology, Academic Medical Center, University of Amsterdam, 2009
- 7- Flow cytometry, BD (Becton, Dickinson and Company) Amsterdam, the Netherlands, 2009
- 8- Special Training for research in MLIII Facility, Molecular Cell Biology and Immunology Department, VU Medical Center, 2008 and Laboratory of Viral Immunopathogenesis (LVIP), Academic Medical Center, University of Amsterdam, 2009
- 9- Flow Cytometry, Application of FACS Scan, FACS Calibur and FACSCanto, Molecular Cell Biology and Immunology Department, VU Medical Center, 2008
- 10- Plasmacytoid Dendritic Cells, Rotterdam Symposium, Erasmus Medical Center, 2009, The Netherlands
- 11- Sensing and signaling by the immune system, Lunteren Symposium, The Netherlands, 2009
- 12- Special training program for Biocontaminant Animal Facility (Level II/III), Health Sciences Laboratory Animal Services (HSLAS), University of Alberta, 2007
- 13- Institutional animal users training program, the Care and Use of the Mouse in Research, University Animal Policy & Welfare Committee (UAPWC), HSLAS, University of Alberta, 2008.

- 14- UAPWC, Institutional animal users training program, the Care and Use of the Duck in Research, UAPWC, HSLAS, University of Alberta, 2007
- 15- Part I course to meet the CCAC mandatory training requirements for animal users, “The Care and Use of Animals in Research, Teaching and Testing, UAPWC, University of Alberta, 2007
- 16- “Biological Safety Level III (BSLIII) Training”, Biosafety Committee, University of Alberta, Canada, 2006.
- 17- “Radiation Safety Course”, Radiation Safety Committee, University of Alberta, Canada, 2006.
- 18- “Microarray Workshop”, a comprehensive course on application and operation of arrayer and scanner, Genetix Company, London, UK, 2005.
- 19- “Real Time Workshop”, basic training courses, introduction, operation and analysis, Applied Biosystems Company, UAE, 2005.
- 20- “Sequencing Workshop”, advanced training courses, Fragment Analysis and Human Identifier Kits, Applied Biosystems Company, Dubai, 2005.
- 21- “RNAi Workshop”, theoretical and practical courses, Pasteur Institute of Iran, 2005.
- 22- “Sequencing Workshop”, basic training courses, introduction, operation and analysis, Applied Biosystems Company, Dubai, 2005.
- 23- “Wave Technology and dHPLC Workshop”, Transgenomic Company, Newcastle, UK, 2005.
- 24- “Microarray Workshop”, theoretical and practical courses, Pasteur Institute of Iran, 2005.
- 25- A short course on theoretical and practical training on “Real-Time PCR”, Bio-Rad Company, Milan, Italy, 2004.
- 26- An advanced training course on “Molecular analysis of HIV”, International Center for Genetic Engineering and Biotechnology (ICGEB), New Delhi, India, 2003.
- 27- “Bioinformatics Workshop and Application of GCG Package”, ICGEB, 2003.
- 28- “Workshop of Strategic Planning”, Biotechnology Research Center, Pasteur Institute of Iran, 2001.

- 29- Workshop on "Current New Manufacturing Practice in Biological Products", held by UNDP/World Bank/WHO special program for research and training in tropical diseases (TDR), Tehran, 2000.
- 30- A comprehensive course on "Genetic Engineering", Biotechnology Department, Pasteur Institute of Iran, 2000.
- 31- "Biostatistics Courses" (basic through Advanced), Student Scientific Research Center (SSRC), Tehran University of Medical Science (TUMS), 1997-99.
- 32- "SPSS Software Course" (three levels: Basic to Advanced), SSRC, TUMS, 1997-98.
- 33- A comprehensive course on "Epidemiology", SSRC, TUMS, 1997-98.
- 34- "Epi-Info software" course, TUMS, 1997.
- 35- The special training course for "Medline and Informatics for Instructors", SSRC, TUMS, 1997.
- 36- "Methodology Workshops/Courses" (Advanced Research), SSRC, TUMS, 1995.
- 37- "Methodology Workshop/Courses", SSRC, TUMS, 1994.

PROFESSIONAL SKILLS

Virology/Immunology Techniques:

- Virus engineering; production, development, propagation and titration of Lentiviral vectors (second and third generations)
- Cell therapy and immunotherapy; GMP production of human primary dendritic cell (DCs), immune cell therapy by DCs
- C-type Lectin receptors, DCs signaling, application in cell therapy
- Working with high risk & and highly pathogenic viruses in biosafety level III (BSL3)
- Primary HIV-1 isolation, HIV culture, propagation
- Detection HIV-1 drug resistance mutations
- HIV titration, p32 incorporation reverse transcriptase assay, TCID50 determination
- Cell culture, preparation of primary cells from a variety of tissues (i.e. blood, brain, liver, skin) & species (suckling mouse, duck, etc.)

- Immunological assays, T cell Isolation, T cell proliferation assay (LTT)
- *In vitro* study of HBV; virus culture and propagation
- Antiviral drug susceptibility assay, Licor-based viral quantification
- Immunostaining, ELISA, cell ELISA, bead adhesion assay, western blotting
- Flow cytometry, application of different platforms (FACScan, FACSCalibur, FACSCanto)
- Confocal microscopic analysis, immunofluorescence microscopy
- Working with animal models (mice, duck, rabbit)

Genetic Engineering Related Techniques:

- Nucleic acids (DNA/RNA) extraction and purification by different methods from various sources (Bacteria and Mammalian cells), Plasmid propagation and Extraction, Plasmid Purification by Ultra-centrifuge
- Nucleic acids amplification: primer designing, PCR/RT-PCR setup and optimization
- Real-Time PCR: Quantitative PCR, study of gene expression
- Sequencing: manual and automated
- Molecular analysis and genotyping by using different methods: Multiplex-PCR, ARMS-PCR, ACRS-PCR, PCR-RFLP, SSCP, HMA, etc.
- Cloning: transformation, digestion analysis, ligation, sub cloning, engineering of Cloning and expression vectors, site directed mutagenesis
- Protein expression: applying various prokaryotic expression systems (e.g. Pet, PQE) and Expression analysis: SDS-PAGE, blotting
- *In vitro* assay: mammalian cell culture, transient and stable transfection by different protocols (e.g. Electroporation, Calcium Phosphate, DEAE Dextran)
- Engineering and amplification of Adeno based viral vectors for gene transfer.
- Modification and application of Lentiviral vectors for gene transfer (second and third generations)

Bioinformatics:

- Sequence analysis, multiple alignment, access to/ searching in databases, phylogenetic analysis, applying different softwares Iranian Congress of Biotechnology. 2005.
- BioEdit, ClustalX, ClustalW, Phylodraw, MegAlign, Mega2, SimPlot, GeneRunner, Oligo, etc.

Biostatistics:

- Proficiency in data analysis of research projects with the statistical softwares

Consultations:

- Senior Advisor of research: Study design, writing proposals, Data analysis, and being consulted on more than 60 Thesis for the Students of Medicine, Students of Residency Programs and Students of the MS and Ph.D. of Basic Science.
- Advisor and designer of research projects on molecular biotechnology fields by applying advanced bioinformatics methods.

RESEARCH EXPERIENCE**Student Research Projects:**

- 1- In charge of “Design and Executive of the Comprehensive Microbiology Data Bank Project”, TUMS, 1999-2000 (*Stood first in the Ranking by the Research Department of TUMS*).
- 2- In charge of design and executive of "A Survey of the Frequency of Bacterial Contamination of the Personnel of Operating Theatres and ICU of TUMS Hospitals", TUMS, 1999.
- 3- A review article on "Genetic Engineering and Vectors, a theoretical and practical approach", SSRC, TUMS, 1999.
- 4- A research paper on “Epidemiology of AIDS in Iran”, SSRC, TUMS, 1999.
- 5- A review article on” Stability of RNA in Prokaryotic and Eukaryotic Systems, Mechanisms and Affecting Factors", TMU, 1999.
- 6- Involved in "Evaluation of the Diagnosis and Treatment of the Patient at the Infectious Diseases Ward of Imam Hospital” as a research colleague, (as a thesis for the specialty of Infectious Diseases), TUMS, 1999.
- 7- Involved in a survey of the “Prescriptions and Drug Interactions by Cardiologists, and Nephrologists in Tehran”, (as a Medical Degree thesis), TUMS, 1999.

- 8- Involved in a survey of the "Causes of Indirect hyperbilirubinemia in the Newborns at the Children's Medical Center" (as a thesis for MD training), TUMS, 1999.
- 9- Leading member of "Study of Safety Indices in the Laboratories of TUMS", 1998.
- 10- Leading member of "KAP Study of the Laboratory Personnel of the Safety and Health indices", TUMS, 1998.
- 11- Designing of "Differential Chart of the Pathogenic Enteric Micro-Organisms in Accordance with the Routine Exams of the Iran Medical Laboratory", SSRC, TUMS, 1998.
- 12- In charge of design and executive of a survey of "Frequency of Bacterial Contamination of the Kitchens of the Hospitals of TUMS with Staphylococcus Aureus, Klebsiella and pseudomonas", 1998, TUMS.
- 13- Designing of a proposal on "Contamination of Proteinous Food with Salmonella in the City of Tehran", TUMS, 1998.
- 14- Project designer of "The Role of Spermatozoid Ag in Immunologic Infertility in Women", SSRC, TUMS, 1997.
- 15- Programming of the "Bina Pardaz" a multi potential software compatible with data banks, TUMS, 1997 (*Being approved at Iran Farda and Razi Research Festivals*).
- 16- "CIR Data Bank" a data base containing papers on immunologic infertility, SSRC, TUMS, 1997.
- 17- Involved in the survey of "New Academic Approach to Researcher Training Programs in Medicine" (as a research colleague), SSRC, TUMS, 1997.
- 18- Design and production of a detailed miniature spectrophotometer with an accuracy of 0.1 of absorbance, SSRC, TUMS, 1996-97.
- 19- A review article on contraceptive vaccines, SSRC, TUMS, 1996.

Presentation in Congress

- 1- **Ramin Sarrami-Forooshani**, Gaby S. Sebta, Bernadit M. Nijmeijer, Carla MS. Ribeiro and Teunis B. H. Geijtenbeek. Activation of immature Langerhans cells facilitate Hepatitis C virus transmission. 9th Netherlands Conference on HIV Pathogenesis (NCHIV), Royal Tropical Institute, 18 Nov 2015, The Netherlands.
- 2- **Ramin Sarrami-Forooshani**, Annelies W Mesman, Nienke H van Teijlingen, Joris K Sprokholt, Michiel van der Vlist, Carla MS Ribeiro1 and Teunis B.H. Geijtenbeek. Human immature Langerhans cells restrict CXCR4-using HIV-1 transmission. Dutch

Annual Virology Symposium (DAVS), 6 March 2015, Dutch Royal Academy of Sciences, Amsterdam, The Netherlands.

- 3- **Ramin Sarrami-Forooshani**, Annelies W Mesman, Nienke H van Teijlingen, Joris K Sprokholt, Michiel van der Vlist, Carla MS Ribeiro¹ and Teunis B.H. Geijtenbeek. Human immature Langerhans cells restrict CXCR4-using HIV-1 transmission. Retroviruses, 18-23 May 2015, Cold Spring Harbor Laboratory, New York, USA.
- 4- **Ramin Sarrami-Forooshani**, Annelies W. Mesman, Nienke H van Teijlingen, Carla M.S. Ribeiro, Michiel van der Vlist and Teunis B. H. Geijtenbeek. Human immature Langerhans cells restrict transmission of CXCR4-using HIV-1. Dutch Society for Immunology, NVVI Winter School 2014, The Netherlands.
- 5- **Ramin Sarrami-Forooshani**, Annelies W. Mesman, Nienke H van Teijlingen, Carla M.S. Ribeiro, Michiel van der Vlist and Teunis B. H. Geijtenbeek. Human immature Langerhans cells restrict transmission of CXCR4-using HIV-1. 8th Netherlands Conference on HIV Pathogenesis (NCHIV), Royal Tropical Institute, 18 Nov 2014, The Netherlands.
- 6- **Ramin Sarrami-Forooshani**, Annelies W. Mesman, Nienke H van Teijlingen, Carla M.S. Ribeiro, Michiel van der Vlist and Teunis B. H. Geijtenbeek. Human immature Langerhans cells restrict transmission of CXCR4-using HIV-1. 13th International Symposium on Dendritic Cells, September, 14-18. Tours, France.
- 7- **Sarrami Forooshani, R**, Pinggen, M, Wensing, A.M.J, van Ham, P.M, Boucher, C.A.B, Geijtenbeek, T.B.H, Nijhuis, M. Dendritic cells show diminished transmission of drug resistant HIV-1 variants with reduced replication capacity. Dutch Society for Immunology, NVVI Winter School 2013, The Netherlands
- 8- Pinggen, M, **Sarrami Forooshani, R**, Wensing, A.M.J, van Ham, P.M, Boucher, C.A.B, Geijtenbeek, T.B.H, Nijhuis, M. Diminished Transmission of Drug Resistant HIV-1 Variants with Reduced Replicative Capacity in a Human Transmission Model. 20th International HIV, Dynamics & Evolution, 2013, Utrecht.
- 9- **Sarrami Forooshani, R**, Pinggen, M, Wensing, A.M.J, van Ham, P.M, Boucher, C.A.B, Geijtenbeek, T.B.H, Nijhuis, M. Diminished Transmission of Drug Resistant HIV-1 Variants with Reduced Replicative Capacity in a Human Transmission Model. 7th Netherlands Conference on HIV Pathogenesis (NCHIV 2013), The Netherlands.
- 10- **Ramin Sarrami-Forooshani**, Annelies W. Mesman, Carla M.S. Ribeiro, Michiel van der Vlist and Teunis B. H. Geijtenbeek. Human Langerhans cells play a crucial role in CCR5 tropic selection of HIV-1 variants during sexual transmission. Dutch Society for Immunology, NVVI Winter School 2012, The Netherlands.
- 11- **Ramin Sarrami-Forooshani**, Michiel van der Vlist and Teunis B. H. Geijtenbeek. Human Langerhans cells play a crucial role in CCR5 tropic selection of HIV-1

variants during sexual transmission. Dutch Society for Immunology, NVVI Winter School 2011, The Netherlands.

- 12- **Ramin Sarrami-Forooshani**, Marein A.W.P. de Jong, Michiel van der Vlist, D. Lorne Tyrrell and Teunis B. H. Geijtenbeek. Langerhans Cells Capture and Internalize Hepatitis C Virus through Langerin; A protective role against virus transmission, Dutch Society for Immunology, NVVI Winter School 2010, The Netherlands.
- 13- **Ramin Sarrami-Forooshani**, Marein A.W.P. de Jong, Michiel van der Vlist, D. Lorne Tyrrell and Teunis B. H. Geijtenbeek. Langerhans Cells Capture and Internalize Hepatitis C Virus through Langerin; A protective role against virus transmission, Dutch Society for Immunology, NVVI Winter School 2009, The Netherlands.
- 14- **Ramin Sarrami-Forooshani**, Marein A.W.P. de Jong, Michiel van der Vlist, D. Lorne Tyrrell and Teunis B. H. Geijtenbeek. Langerhans cells via C type Lectin Langerin bind to HCV, capture and internalize virus; a protection role against virus transmission, 11th International Workshop on Langerhans Cells, September 3-6, 2009, Funchal, Madeira, Portugal, September 2009.
- 15- Mirza Khalil Bahmani, Ayyoob Khosravi, Fereidoun Mahboudi, **Ramin Sarrami Forooshani**. Genotypic correlates of a virologic response to Lamivudine, Stavudine and Nevirapine in patients whom combination therapy had failed. Iranian journal of Infecous Disease, 2008; 3(4):215-9.
- 16- Mirza Khalil Bahmani, Ayyoob Khosravi, Rahele Sheikhi, Fereidoun Mahboudi, **Ramin Sarrami-Forooshani**. Molecular investigation of anti-retroviral drug resistance in HIV-positive patients from Fars province, Iran. American society for virology, 26th annual meeng Oregon state university, July 14-18, 2007.
- 17- **Sarrami Forooshani R**, Esmalee R, Sabahi F, Adeli A, Gomary H, Saboory E, B, Amini Babil Olyae S, Mahboudi F. The Development of Real Time PCR-Based Assay for Determination of HBV Viral Load. The Fourth National Congress of Biotechnology, 2005, Keramn, Iran.
- 18- F Behzadian, F Sabahi, M Karimi, N Maghsoudi, **Sarami Foroushani R**. A novel vector for study of hepatitis delta virus replication. Iranian Congress of Biotechnology. 2005.
- 19- Detection of polymerase chain Reaction-Amplified Immunodeficiency virus proviral DNA with a digoxigenin-labeled nucleotide and Enzyme-Linked oligosorbent assay. Rezvan Bagheri, **Sarami Foroushani R**, Hossein Khanahmad, Farzaneh Sabahi, Mansour Abachi, Rezvan Esmaeili, Ahmad Adeli, Babil Ouliaei S Amini, Fereydoun Mahboudi. Iranian Congress of Biotechnology. 2005.

- 20- Zali MR, Azizi M, Amini-Bavil-Olyae S, **Sarrami Forooshani R**, Adeli A and Noori Nayer B. Molecular epidemiology and phylogenetic analysis of hepatitis B virus (HBV) isolated from subjects in Iran. (Poster session, publishing ID: S1658, abstract ID: 104266), Digestive Disease Week (DDW) [The world's largest and most prestigious GI meeting], May 15 to 20, 2004, Morial Convention Center, New Orleans, LA, USA.
- 21- Amini-Bavil-Olyae S, **Sarrami Forooshani R**, Sabahi F, Noori Nayer B, Mahboudi F, Adeli A, Zali MR and Azizi M. The first report of HBV genotyping from Iran: Molecular epidemiology and phylogenetic analysis of HBV isolates among Iranian chronic subjects. The Second Iranian Congress on Virology, 13-15 Feb 2004, Tehran, Iran.
- 22- **Sarrami Forooshani R**, Sabahi F, Taghikhani M, Adeli A, Mohraz M, Abdolbaghi M, Farzamfar B, Amini Bavil Olyae S, Khalili A and Mahboudi F. Molecular epidemiology of HIV-1 and study of its heterogeneity by analysis of gag gene subtype of variants isolated in Iran. The Third National Biotechnology Congress, Sep 9-11, 2003, Mashhad, Iran.
- 23- **Sarrami Forooshani R**, Sabahi F, Taghikhani M, Adeli A, Mohraz M, Abdolbaghi M, Farzamfar B, Amini Bavil Olyae S, Khalili A and Mahboudi F. Genetic diversity and phylogenetic analysis of Human Immunodeficiency Virus type 1 (HIV-1) subtypes circulating in Iran by heteroduplex mobility shift assay. The Third National Biotechnology Congress, Sep 9-11, 2003, Mashhad, Iran.
- 24- Adeli A, **Sarrami Forooshani R**, Sabahi F, Taghikhani M, Mohraz M, Abdolbaghi M, Farzamfar B, Amini Bavil Olyae S, Khalili A and Mahboudi F. New approach of PCR and RT-PCR based assay for molecular diagnosis of human immunodeficiency Virus type1 (HIV-1), The Third National Biotechnology Congress, Sep 9-11, 2003, Mashhad, Iran.
- 25- **Sarrami Forooshani R**, Azizi M, Sabahi F, Karimi M, Adeli A, Mahboudi F. Design and construction of recombinant expression vectors encoding three Hepatitis B surface antigens as DNA vaccine candidates and evaluation of their expression in mammalian cells, The First Iranian Congress on Virology, 19-21 Feb, 2002, Tehran, Iran.
- 26- **Sarrami Forooshani R**, Sabahi F, Azizi M, Karimi M, Adeli A, Mahboudi F. Construction of an Electroporation Apparatus and Comparison of it's Efficiency with those of Standard Methods of Gene Transfer and Cell Transfection, The First Iranian Congress on Virology, 19-21 Feb, 2002, Tehran, Iran.
- 27- **Sarrami Forooshani R.**, Azizi M., Sabahi F., Mahboudi F. Reconstruction Edition of a conventional plasmid included whole Genome of Hepatitis B Virus and designing of it's new map via multiple digestion analysis, The First Iranian Congress on Virology, 19-21 Feb, 2002, Tehran, Iran.

- 28-** Edalat R., Sabahi F., Roustai M. H., Zandi K., **Sarrami Forooshani R.** Development of an Enzyme Linked Immunosorbent Assay for Detection of Mump Virus IgG, The First Iranian Congress on Virology, 19-21 Feb, 2002, Tehran, Iran.
- 29-** Mohammad Hossein Zadeh H, Roustai M. H, Soleimanjahi H., **Sarrami Forooshani R.** Study of Effect of Eucalyptus Extract in Comparison with Acyclovir on Herpes Simplex virus type 1, The First Iranian Congress on Virology, 19-21 Feb, 2002, Tehran, Iran.
- 30-** Amini-Bavil-Olyae S, Firoozan A, Roustai MH, Karimi M, **Sarrami Forooshani R**, Mahboudi F and Sabahi F. Early detection of human cytomegalovirus (HCMV) in renal transplant recipients by DNA amplification, The First Iranian Congress on Virology, 19-21 Feb, 2002, Tehran, Iran.
- 31-Sarrami Forooshani R**, Azizi M, Sabahi F, Karimi M, Adeli A, Mahboudi F. Construction of Recombinant Expression Vector Coding Middle Hepatitis B surface antigen and evaluation of it's expression in mammalian cells. The Second National Biotechnology Congress, Oct 9-11, 2001, Karaj, Iran.
- 32-R. Sarrami-Forooshani**, Z. Pakbaz, G. E. Djavid, M. Rafee, A. Footoohi, R. Mehrdad. The assessment of the efficacy of slender-making belts in fatty ladies, 16th International Medical Sciences Student Congress (Clinical Trial and experimental studies), Istanbul, Turkey, May 2000.

PUBLICATIONS

- 1-** Kefayat A, Sartipzadeh O, Molaabasi F, Amiri M, Gholami R, Mirzadeh M, Shokati F, Khandaei M, Ghahremani F, Poursamar SA, **Sarrami-Forooshani R.** Microfluidic System Consisting of a Magnetic 3D-Printed Microchannel Filter for Isolation and Enrichment of Circulating Tumor Cells Targeted by Anti-HER2/MOF@Ferrite Core-Shell Nanostructures: A Theranostic CTC Dialysis System. *Analytical Chemistry*. 2024.96(11):4377–84.
- 2-** NH van Teijlingen, MY van Smoorenburg, **R Sarrami-Forooshani**, ... *Prevotella timonensis* bacteria associated with vaginal dysbiosis enhance HIV-1 susceptibility of vaginal CD4+ T cells. *The Journal of Infectious Diseases*, jiae166-jiae166.
- 3-** Ahmadvand M, Barough MS, Barkhordar M, Faridfar A, Ghaderi A, Jalaeikhoo H, Rajaienejad M, Majidzadeh K, Ghavamzadeh A, **Sarrami-Forooshani R.** Phase I non-randomized clinical trial of allogeneic natural killer cells infusion in acute myeloid leukemia patients. *BMC Cancer*. 2023;23(1):1090.

- 4- van Teijlingen NH, Eder J, **Sarrami-Forooshani R**, Zijlstra-Willems E, Roovers JPW R, van Leeuwen E, Ribeiro CMS, Geijtenbeek TBH. Immune activation of vaginal human Langerhans cells increases susceptibility to HIV-1 infection. *Scientific Reports*. 2023;13(1):3283.
- 5- Askari E, Shokrollahi Barough M, Rahmanian M, ... **Sarrami Forooshani R**, Seyfoori A, Akbari M. Cancer Immunotherapy Using Bioengineered Micro/Nano Structured Hydrogels. *Advanced Healthcare Materials*. 2023;12(27):2301174.
- 6- Khayamian MA, Abadijoo H, Shalileh S, ...**Sarrami-Forooshani, R**, Abdolahad M. Irreversible electroporation for post-operative margin therapy to prevent cancer recurrence based on triboelectric nanogenerator driven balloon catheter. *Nano Energy*. 2023;112:108510.
- 7- Khorami Sarvestani S, Shojaeian S, **Sarrami-Forooshani R**, ...Jeddi-Tehrani M, Zarnani AH. Cancer Is Associated with the Emergence of Placenta-Reactive Autoantibodies. *Biomedicines*. 2023;11(2):316.
- 8- Fateh ST, Behgozin A, Yekani F, ... **Sarrami-Forooshani R**, Salehi-Najafabadi A, Shekari F. Healthy Male Individuals Possess Higher Plasma HER-2 Level than Females. *Cell Journal*. 2023;25(1):73–5.
- 9- Jafari A, Niknejad H, Rezaei-Tavirani M, ... **Sarrami-Forooshani R**, Gilanchi S, Jafari Z. Antiproliferative and apoptotic effects of conditioned medium released from human amniotic epithelial stem cells on breast and cervical cancer cells. *International Journal of Immunopathology and Pharmacology*. 2023;37.
- 10- NH van Teijlingen, LC Helgers, **R Sarrami-Forooshani**, ...Vaginal bacterium *Prevotella timonensis* turns protective Langerhans cells into HIV-1 reservoirs for virus dissemination. *The EMBO Journal*. 2023; 41(19):e110629.
- 11- Aghayan HR, Salimian F, Abedini A, ...Ghavamzadeh A, **Sarrami-Forooshani R**. Human placenta-derived mesenchymal stem cells transplantation in patients with acute respiratory distress syndrome (ARDS) caused by COVID-19 (phase I clinical trial): safety profile assessment. *Stem Cell Research and Therapy*. 2022;13(1):365.
- 12- Molaabasi F, Kefayat A, Ghasemzadeh A, ...Hosseinkhani S, **Sarrami-Forooshani R**. Role of the Probe Sequence/Structure in Developing an Ultra-Efficient Label-Free COVID-19 Detection Method Based on Competitive Dual-Emission Ratiometric DNA-Templated Silver Nanoclusters as Single Fluorescent Probes. *Analytical Chemistry*. 2022;94(51):17757–69.
- 13- H Abadijoo, MA Khayamian, M Faramarzpour, M Ghaderinia, H Simaee, ... **Ramin Sarrami-Forooshani**, Mohammad Abdolahad. Healing field: using alternating electric fields to prevent cytokine storm by suppressing clonal expansion of the

activated lymphocytes in the blood sample of the COVID-19 patients. *Frontiers in Bioengineering and Biotechnology*. 2022;10:850571.

- 14- A Jafari, A Babajani, **R Sarrami Forooshani**, M Yazdani, ... Clinical applications and anticancer effects of antimicrobial peptides: from bench to bedside. *Frontiers in oncology*. 2022;12: 819563.
- 15- Zahra Mohammadpour,* Zahra Sadat Hashemi, Fatemeh Malekian Jebeli, Sahel Ghasemzadeh, Esfandyar Askari, Mandana Akbary-Yekta, **Ramin Sarrami-Forooshani**. Iron Oxochloride/Bovine Serum Albumin Nanosheets as Chemodynamic Therapy Agents. *art. Part. Syst. Charact.* 2021;38:2100162.
- 16- Miripour ZS, **Sarrami-Forooshani R**, Sanati H, Makarem J, Taheri MS, Shojaeian F, Eskafi AH, Abbasvandi F, Namdar N, Ghafari H, Aghaee P, Zandi A, Faramarzpour M, Hoseinyazdi M, Tayebi M, Abdolahad M. Real-time diagnosis of reactive oxygen species (ROS) in fresh sputum by electrochemical tracing; correlation between COVID-19 and viral-induced ROS in lung/respiratory epithelium during this pandemic. *Biosens Bioelectron.* 2020 1;165:112435.
- 17- Nijmeijer BM, **Sarrami-Forooshani R**, Steba GS, Schreurs RR, Koekkoek SM, Molenkamp R, Schinkel J, Reiss P, Siegenbeek van Heukelom ML, van der Valk M, Ribeiro CM, Geijtenbeek TB. HIV-1 exposure and immune activation enhance sexual transmission of Hepatitis C virus by primary Langerhans cells. *J Int AIDS Soc.* 2019 Mar;22(3):e25268.
- 18- BM Nijmeijer, **R Sarrami-Forooshani**, GS Steba, RRCE Schreurs, ... HIV-1 exposure and immune activation enhance sexual transmission of Hepatitis C virus by primary Langerhans cells. *African Journal of Reproduction and Gynaecological Endoscopy.* 2019;22(3).
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GenBank/EMBL/DDJB accession numbers:

Submitted more than 440 sequences to Gene Bank as listed below:

- HIV-1 isolates from Iran, envelope glycoprotein (env) gene: FJ793450-FJ793503
- HIV-1 isolates from Iran, envelope glycoprotein (env) gene: EU022422- EU022379

- HIV-1 isolates from Iran, p17, gag gene: DQ149128 to DQ 149133 and DQ077824 to DQ077872
- HIV-1 isolates from Iran, envelope glycoprotein (env) gene: AY693842 to AY693971
- Hepatitis B virus isolate IR-IPI-P4, complete genome, AY741794 to AY741798
- Hepatitis B virus, surface antigen protein (S) gene, partial cds surface antigen protein (S) gene, partial cds: AY391875 to AY391896
- Hepatitis B virus, precore and core proteins (C) gene, complete cds : AY371901, AY371902, AY371905, AY371907 AY371912, AY371914, AY371915, AY371920 to AY371922, AY370937, AY3709378, AY350614
- Hepatitis B virus, precore protein pseudogene, complete sequence; and core protein (C) gene, complete cds: AY371903, AY371904, AY371906, AY371908, AY371909, AY371910, AY371911, AY371913, AY371916 to AY371919
- UTR of Hepatitic C Virus: AY523466, AY523465, AY523464, AY523463
- Camelus bactrianus clone RR-B7 immunoglobulin heavy chain VHDJ region mRNA, partial cds: AY544575
- Camelus bactrianus clone RR-B2 immunoglobulin heavy chain VHDJ region mRNA, partial cds: AY544574
- Helicobacter pylori Iran-Hel155 vacuolating cytotoxin gene, partial cds :AF521127
- Helicobacter pylori strain Iran-Hel155 vacuolating cytotoxin (vacA) gene, partial cds: AF513380
- Afghanian Hepatitis B virus isolates precore/core complete genes sequences DQ178009 to DQ178020
- Afghanian Hepatitis B virus isolates partial-HBsAg genes sequences: DQ177997 to DQ178008

Recent Research Projects that I have proposed and supervised or been involved in:

- Investigate the safety of injection of genetically engineered natural killer (NK) cells with specific chimeric receptor of CD19 antigen for the treatment of B-cell acute lymphoid leukemia (Phase I Clinical Trial).
- Phase I/II Clinical Trial using Ex-vivo Expanded Allogeneic Donor-derived NK Cells against
- Phase I/II Clinical Trial (Safety and feasibility) using Ex-vivo Expanded Haploidentical Donor-derived NK Cells relapsed AML, ALL, non-hodgkin lymphoma and multiple myeloma
- Metastatic or resistant to minimally one line therapy like Breast, Ovary and Gastrointestinal cancer patients
- Design, synthesis and production of oncolytic viruses with the ability of specific and targeted replication in cancer cells for the purpose of virus therapy and gene therapy of incurable cancers.
- Optimizing plasma jet parameters to improve cancer cells by transplanting mesenchymal stem cells derived from human placenta in acute respiratory distress syndrome caused by COVID-19 disease (Phase I clinical trial)
- Safety evaluation of human placenta-derived mesenchymal stem cell transplantation in systemic sclerosis (Phase I clinical trial)
- Development of genetically engineered natural killer cells with a specific chimeric receptor for mesothelin antigen and investigation of its properties and function in the preclinical phase
- Using electrical stimulation (electroporation) to treat hypothyroidism
- Investigating the effectiveness of doxorubicin encapsulated in mouse natural killer cell exosomes (exo-dox) in breast cancer tumor mouse model
- Safety evaluation of Oncorine oncolytic adenovirus (H101) in phase 0 and 1 clinical trials in patients with solid cancers, with preference for head and neck cancer
- Design, synthesis and investigation of the antitumor power of recombinant adenovirus expressing the secreted form of CSF-GM-1/PD protein in an animal model of solid cancer.
- Design and synthesis of oncolytic adenovirus encoding Heat shock protein 70 (HSP70) antigenic sequence integrated with E6 and E7 antigenic sequences of

human papilloma virus type 16 and its safety and therapeutic effect in cervical cancer tumor mouse model

- Designing, manufacturing and evaluating the efficacy of HER2-FR α multi-epitope recombinant vaccine against breast cancer in the preclinical phase.
- Optimization and production of exosome isolation kit
- Investigating the performance of adeno-associated virus expressing IL-15 and Arsenic Trioxide against cancer
- Investigating the effect of exosomes derived from natural killer cells on dendritic cells stimulated with tumor antigen
- The use of tumoroid culture plate integrated with microfluidic technology to create a three-dimensional model of tumor organoid and drug evaluations on it.
- Design and production of genetically engineered oncolytic adenovirus containing GMCSF and anti-PD1
- Gene therapy of blastoma cancer through AAV virus carrying interleukin 21 gene
- Breast cancer gene therapy through AAV virus carrying IL-15 gene
- Investigating the synergism effect of Lasota strain Newcastle virus with doxorubicin in a laboratory mouse model of breast cancer
- Apoptosis induction by exo-dox drug in leukemia cells on bone scaffold covered with MSCs
- Phase I/II clinical trial to investigate the effect of umbilical cord mesenchymal cells injection by endovascular method to the knee joint in patients with osteoarthritis
- In vitro study of anticancer activity and synergism of Newcastle disease Lasota virus (NDV) strain and hydroxyurea drug on HepG2 liver cancer cell line
- Investigating the effect of Salmonella typhi on liver tumor dimensions of New Zealand rabbits for the purpose of bacteriotherapy
- Investigating the effect of exosomes containing the drug sorafenib derived from natural killer cells on breast cancer spheroids

- Increasing the cytotoxic power of exosomes of natural killer cells (NK-Exo) containing the drug doxorubicin on the three-dimensional culture of MDA-MB231 cells.
- Phase I clinical trial using ex vivo-expanded allogeneic donor-derived NK cells in patients with lower respiratory disease (Moderate) caused by COVID-19
- Human Placenta Derived Mesenchymal Stem Cells Transplantation in Acute Respiratory Distress Syndrome (ARDS) caused by COVID-19 (Phase 1 clinical trial)
- Phase I/II Clinical Trial using Ex-vivo Expanded Haploidentical Donor-derived NK Cells against metastatic and refractory Breast cancer patients
- Phase I/II Clinical Trial (Safety and feasibility) using Ex-vivo Expanded Haploidentical Donor-derived NK Cells against advanced refractory/relapsed AML
- Genetic Characterization of SARS-CoV-2 variation in Iran, Basis for epidemic evaluation, development of diagnostic means and vaccine.
- Cellular and molecular mechanisms of HIV-1 & HCV transmission mediated by Dendritic Cells
- Superinfection exclusion of Hepatitis B Virus and its mechanism
- Innovation of a novel system for Isolation, culture, propagation and study of Hepatitis C Virus

Collaborations:

- Molecular epidemiology and genetic Characterization of SARS-CoV-2 variation in Iran, Basis for epidemic evaluation, development of diagnostic means and vaccine. Collaborative centres: ATMP Department, Motamed Cancer Institute, ACECR, Iran and Erasmus MC Department of Viroscience, Rotterdam, The Netherlands
- Dendritic cell-based Cancer Immunotherapy, comprehensive project for implementation and development of dendritic cell Immunotherapy as novel and promising method for treatment of cancer patients in Iran. Collaborative centres: Breast Cancer Research Centre, Iran and Host Defence Group, Department of Experimental Immunology, Academic Medical Centre, University of Amsterdam, Amsterdam, The Netherlands
- Comprehensive study to evaluate the effect of herbal medicine IMOD on the host-pathogen interaction of Human Immunodeficiency Virus type 1 (HIV-1) and immune system components.

Collaborative centres: ParsRoos (RosePharmed) Pharma Company, Tehran, Iran and Host Defence Group, Department of Experimental Immunology, Academic Medical Centre, University of Amsterdam, Amsterdam, The Netherlands

- Genetic characterization of HIV variation in Iran.
Collaborative centres: Pasteur Institute of Iran, University of Alberta, University of Amsterdam
- Development of a novel model for isolation and propagation of Hepatitis C Virus.
Collaborative centres: Pasteur Institute of Iran and Host Defence Group, Centre for Experimental and Molecular Medicine, Academic Medical Centre, University of Amsterdam

TEACHING EXPERIENCES, LECTURES, AND PRESENTATIONS

- 1- In charge of training of PhD students in HIV Lab –Biosafety Level III, Department of Experimental Immunology (EXIM), Academic Medical Centre, University of Amsterdam, Since 2012
- 2- Supervision of Master students. Center for Experimental and Molecular Medicine (CEMM), Academic Medical Centre, University of Amsterdam, 2011.
- 3- Mechanism of sexual transmission of HIV and the role of viral factors. Infection meeting, Centre for Experimental and Molecular Medicine, Academic Medical Centre, University of Amsterdam, 14th Dec 2009.
- 4- Langerhans Cells act as a natural barrier against HCV Infection, CEMM meeting, Centre for Experimental and Molecular Medicine, Academic Medical Centre, University of Amsterdam, Oct 2009
- 5- Instructor of “Bioinformatics Workshop”. National Network of Molecular Medicine, Ministry of Health and Pasteur Institute of Iran, 2006.
- 6- Instructor of “dHPLC Workshop and its Application in Molecular Analysis”, Mashhad University of Medical Science, Iran, 2005.
- 7- Two lectures on “Application of Automated Sequencing and Fragment analysis in Molecular Medicine”, Tehran University of Medical Science, Iran, 2005.
- 8- Administration and instruction of “The First Electronic Workshop of Real-Time PCR”, Ministry of Industry & CinnaGen Company, Iran, 2005.
- 9- Administration and instruction of “The First Workshop of Automated Sequencing, Research Center for Gastroenterology and Liver Disease”, Tehran, Iran, 2005.

- 10-** Instructor of the theoretical and practical courses on “Real Time PCR, National Network of Medical Biotechnology”, Ministry of Health, 2005.
- 11-** Administration and instruction of “The First Workshop of Real Time PCR”, National Network of Medical Biotechnology, Ministry of Health, 2005.
- 12-** Instructor of “Bioinformatics Workshop”. National Network of Molecular Medicine, Ministry of Health and Pasteur Institute of Iran, 2005.
- 13-** Instructor of “Virology Courses for M.Sc. Students”, Azad University, 2005.
- 14-** Instructor of “Bioinformatics Workshop”, Deputy of Research, Ministry of Health, 2004.
- 15-** Instructor of “Bioinformatics Workshop”. National Network of Molecular Medicine, Ministry of Health and Pasteur Institute of Iran, 2004.
- 16-** A lecture on “Bioinformatics”, Congress of Molecular Medicine, Qazvin University of Medical Science, 2004.
- 17-** A lecture on “The Role and Application of Genetic Engineering and Molecular Biotechnology in Medical Sciences”, the same congress.
- 18-** Instructor of “Bioinformatics workshop”, National Network of Molecular Medicine and Pasteur Institute of Iran, 2003.
- 19-** Instructor of “Virology Courses for M.Sc. Student”, Pasteur Institute of Iran, since 2002.
- 20-** Held a seminar on "The Critical Role of Viruses and Viral Vectors in Genetic Engineering, Gene Therapy and Molecular Medicine”, Tarbiat Modarres University (TMU), 2001.
- 21-** Instructor of “Advance Research Workshops for the Academic Staff”, Medical School of Lorestan University and Medical School of Azad University, 1999-2000.
- 22-** Tutor, “Molecular Genetics and Genetics Engineering”, Medical School of the Azad University, 1999-2000.
- 23-** Instructor, “Special Research Workshops for Residents and Postgraduates”, Medical School of the Azad University and SSRC, TUMS, 1999.
- 24-** Instructor, “Methodology Teacher Training Courses”, SSRC, TUMS, 1999.
- 25-** A lecture on “Modern Vaccines and DNA Vaccines”, SSRC, TUMS, 1999.

- 26- A lecture on “Molecular& Immunopathologic Mechanisms of HIV in CNS”, TMU,1999.
- 27- A lecture on “Role of the Protein E1a in the Neoplastic Properties of the Adenoviruses”, TMU, 1999.
- 28- A lecture on the “Reverse Genetic Techniques and Application of Negative RNA Viruses in Genetic Engineering”, SSRC, TUMS, 1999.
- 29- Instructor of “Biostatistics Courses”, SSRC, TUMS, 1998-2002.
- 30- Instructor, “Research Methodology Workshops”, SSRC, TUMS and Medical School of the Azad University, 1998-2002.
- 31- A lecture on “Molecular Structure of Viruses and the Mechanisms of Reproduction”, SSRC, TUMS, 1998.
- 32- A lecture on “Immunologic Aspects of Infertility”, SSRC, TUMS, 1996.
- 33- Periodic lectures on “Current Techniques and Tests in Immunology”, SSRC, TUMS, 1996.

Executive Experiences */ Professional Experiences:

- Since 2024 Medical Sciences Organizations and Programs Review Council
- Since 2024 Responsible for drafting the national document on new treatments and advanced medical products
- Since 2024 Permanent member of the monitoring committee for cell, tissue and gene therapy products of the Food and Drug Organization
- Since 2021 Director General, Motamed Cancer Institute (MCI), ACECR, Tehran, Iran
- Since 2021 Chair of Ethics Committee in Medical and Clinical Research, Motamed Cancer Institute (MCI), ACECR, Tehran, Iran
- Since 2020 Member of Emerging Infectious Disease and Covid-19 Control Committee
- Since 2018 Member of Specialized Council for Reviewing and approving the Research Projects, Specialized office of Medical Science, ACECR, Tehran, Iran
- 2018-2021 Director of Research, Technology and Health, Motamed Cancer Institute (MCI), ACECR, Tehran, Iran
- 2018- 2021 Secretary of Ethics Committee in Medical and Clinical Research, Motamed Cancer Institute (MCI), ACECR, Tehran, Iran
- 2018 Head of Office of Technology and International Collaborations,

- 2017 Motamed Cancer Institute (MCI), ACECR, Tehran, Iran
Secretary of Scientific Affairs, Union of Islamic Student of Association in Europa
- Since 2016 President of Iranian European Scholars Foundation (IESFO),
2016 Establishment of Iranian European Scholars Foundation (IESFO), The Netherlands
- Since 2016 Head of ATMP (Cell Therapy) Department, Motamed Cancer Institute (MCI), Tehran, Iran
- 2013-2017 Secretary of The Hague branch, Union of Islamic Student of Association in Europa
- 2010-2016 Secretary of Iranian Scholars Council in the Netherland (ISCN)
- 2010 Establishment of Iranian Scholars Council in the Netherland (ISCN)
- 2009-2016 In charge of HIV-1 data bases and virus bank in biosafety level 3 facility, Host Defence Group, Department of Experimental Immunology, University of Amsterdam
- 2009 Secretary of Scientific Affairs, Amsterdam branch, Union of Islamic Student of Association in Europa
- 2002- 2006 Supervisor of HIV unit, Biotechnology Department, Pasteur Institute of Iran.
- 2002 Establishment of HIV Unit, specific biosafety facility and HIV extraction Domain, Biotechnology Department, Pasteur Institute of Iran.
- 2002-2004 In Charge of Bio-Safety Committee, Biotechnology Department, Pasteur Institute of Iran.
- Since 2001 Senior Researcher, Biotechnology Research Center, Pasteur Institute of Iran.
- 2000-2006 Full Authorized Representative of Ministry of health for Holding Various Exams Concerning Medical Education.
- 1999-2000 Compilation of the articles of associations, as well as establishment of the Genetic Engineering and Biotechnology Committee and foundation of the Genetic Engineering and Medical Biotechnology Lab. Medical School of the Azad University.
- 1999-2000 Secretary of the Research Council, Students Scientific Research Center (SSRC) of the Medical School, Tehran University of Medical Sciences (TUMS).
- 1999-2000 Head of the Biotechnology Committee. SSRC & Cardiovascular Research Center of TUMS.
- 1999 A Member of the Board in Charge of the Articles of Association of SSRC, TUMS.
- 1998-1999 Assistant Manager of the Statistics and Methodology Committee and Executive Manager of the Methodology Teacher Training Courses, SSRC, TUMS
- 1998-2000 Senior Research Advisor and Manager of Research workshops, SSRC, Cardiovascular Research Center, TUMS and Medical School of the Azad University.

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| 1997 | A Member of the Project "Iran 1400(2021)", Medical Commission of the National Research Council, IRAN |
| 1996-98 | Assistant Director of Paramedical Branch of SSRC, TUMS. |
| 1996 | Established The Research Center for Paramedical Students, SSRC, TUMS |
| 1995-96 | Senior Advisor for the Paramedical Students at SSRC, TUMS |
| 1994-95 | Manager of Contraceptive Immunological Research (CIR) Project, SSRC |

*Official letters issued for the aforementioned positions are available upon request.

It should also be mentioned that SSRC is a student research center that according to its constitution and its organisation, the students could be honoured to have an executive position and be in charge of a group, subdivision, or division.

MISCELLANEOUS:

- Stood second in the "Nationwide Entrance Exam for Masters Degree", Tarbiat Modarres University.
- Stood first in the "Nationwide Entrance Exam for Masters Degree of Microbiology" Azad University.
- Ex-member of "Iranian Association of Immunology".
- Active member of "Iranian Association of Virology".
- Active member of the "Iranian Association of Biotechnology".
- Active member of Union of Islamic Student Association in Europa, since 2009

AWARDS and HONORS:

- 1- "Best Medical Researcher in Iran at 2021", 21th festival of celebrating top selected researchers and technologist, 2021, Ministry of Health and Medical Education & Ministry of Science, Technology and Research, Iran
- 2- Producer of the first Iranian Covid-19 molecular diagnostic kits and nation-wide provider of Covid-19 kit to whole country laboratories by production of more than 3 million kits in 2020.
- 3- First "BAVAR" prize for standing first (medical sciences branch) in scientific competition of Iranian Scholars in Europe, 2015, scientific and technology representative of I.R. Iran in Europe.
- 4- First prize for outstanding poster contribution (of 450 abstracts) at annual meeting for Dutch Society for Immunology (NVVI), 2014, Netherlands.
- 5- Best Young HIV-1 Researcher in the Netherlands at 2014, Stichting NCHIV board and Stichting HIV Monitoring (SHM). 2014, The Netherlands

- 6-** First Joep Lange and Jacqueline van Tongeren Young Investigator's Award for outstanding work in the study of HIV, Stichting NCHIV board and Stichting HIV Monitoring (SHM). 2014, The Netherlands
- 7-** Full Scholarship for attendance in 11th International Workshop on Langerhans Cells, Funchal, Madeira, Portugal - September 3 - 6, 2009
- 8-** WHO Bioaward (4,500\$) for standing first in performance of research projects, Tropical Disease Research Section, 2007.
- 9-** WHO Bioaward (3,000\$) for standing second in performance of research projects, Tropical Disease Research Section, 2007.
- 10-** AHFMR studentship; a competitive scholarship awarded by Alberta Heritage Foundation for Medical Research, Canada, 2007.
- 11-** A commendation for good performance and attempt for promotion of research activities, Student Scientific Research Center (SSRC).
- 12-** A commendation for the establishment of the Students Research Center, Faculty of Paramedical Science. Tehran University of Medical Science (TUMS).
- 13-** A commendation for successful performance of research activities, TUMS.
- 14-** A commendation for holding the advanced research workshop at Lorestan University of Medical Sciences.
- 15-** A commendation for the successful presentation in the 16th Congress of Medical Students for Experimental Studies & Clinical Trials, by the special envoy of the leader of the I.R. Iran.
- 16-** A commendation for good performance as the secretary of the Research Council of SSRC, SSRC, TUMS.
- 17-** A commendation for standing 2nd in annual election of the best researcher/ colleague, Biotechnology Department, Pasteur Institute of Iran, 2003.
- 18-** A commendation for standing first in annual election of the best researcher/ colleague, Biotechnology Department, Pasteur Institute of Iran, 2004.

REFEREES:

| | |
|-----------------|---|
| Name | Dr. Teunis B.H. Geijtenbeek |
| Position | Professor of Molecular and Cellular Immunology, Chair of Department Experimental Immunology, AMC Director of the Amsterdam Infection & Immunity Institute, Academic Medical Center (AMC), University of Amsterdam, Amsterdam, the Netherlands |
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|-----------------|---|
| Name | Dr. Shahid Jameel |
| Position | Professor of Virology, International Senior Research Fellow of the Wellcome Trust and Group Leader of Virology Lab, International Center for Genetic Engineering and Biotechnology. |
| Address | International Center for Genetic Engineering and Biotechnology (ICGB), Aruna Asaf Ali Marg, New Delhi 110067, India |
| Tel | +911126176680 |
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