



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE _4658__

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at **Dipartimento di Fisiopatologia Medico- Chirurgica e dei Trapianti**

Scientist- in - charge: _Università degli studi di Milano_____

[Name and surname]

CURRICULUM VITAE

PERSONAL INFORMATION

| | |
|---------------|------------------|
| Surname | Mazaheri Tehrani |
| Name | Elham |
| Date of birth | [22, 09, 1974] |

PRESENT OCCUPATION

| | |
|---|---------------------------------------|
| Appointment | Structure |
| Postdoc researcher (finished contract) | Tehran University of Medical Sciences |

EDUCATION AND TRAINING

| Degree | Course of studies | University | year of achievement of the degree |
|-----------------------------------|------------------------------------|--|-----------------------------------|
| Degree | Cell and Molecular biology | Islamic Azad University | 4 |
| Specialization | Virology | Minister of Health of Iran | 2 |
| PhD | Clinical and Experimental Medicine | University of Modena and Reggio Emilia | 3 |
| Master | Virology | Jondishapour Medical University of Ahwaz | 2 |
| Degree of medical specialization | | | |
| Degree of European specialization | | | |



| | | | |
|-------|-------------------------|--|--|
| Other | Medical Council of Iran | | |
|-------|-------------------------|--|--|

REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Professional Experience

Junior researcher, Diagnostic for the Real World (DRW), Unit of Cambridge University, Chesterford, Research Park, UK, July 2018 – July 2019

Performing laboratory research for setting a platform for diagnostic by Quall whole blood test for Hepatitis C. Internal control and swab testing for amplicon contamination, risk assessment

Postdoctoral Fellow, Tehran University of Medical Sciences AND University of Modena and Reggio Emilia (Collaboration project) , April 2016-May 2018

Leading and doing a complete project entitle: Analyses of Inflammasome Component among HIV positive patients with neurocognitive Disorders. (this project was a collaboration between Iranian Research Center for HIV/AIDS of Tehran University and Department of Pathology and Immunology at University of Modena and Reggio Emilia, Italy.

Other activities beside performing the postdoc project was working for Women with HIV (Minister of Health of Iran).

Professional health Officer: Coordination and performing executive activities in Tehran Medical University in close contact with Minister of Health of Iran, Department of Emerging and Re-Emerging (Jan 2015-Feb 2016).

PhD student, Clinical and Experimental Medicine, University of Modena and Reggio Emilia, Italy, Jan 2011-Feb 2014

Doing a complete project under supervision of Prof. Claudio Cermelli entitle” Interaction between Pathogenic viruses and Candida albicans biofilm”. Being expert in biofilm culture and assay, virus infection and interaction of viruses and candida biofilm.

Research Assistant, Neuroscience Research Center, Shahid Beheshti University of Medical Sciences, Tehran, Iran, May 2005-Dec 2010

Cooperation in many research projects is entitled:

- 1- Protective roles of Telomerase enzyme activity against apoptosis in neural stem cell lines to access suitable cellular model of Multiple Sclerosis disease for Gene Therapy purposes
- 2- Differentiation of Embryonic Stem Cells into Functional Dopaminergic Neurons Resistant to Oxidative Stress.
- 3- Neuroprotection in Parkinson's Disease: a Multi-directional Genetic Strategy for Maximum Protection of Dopaminergic Neurons against Parkinsonian
- 4- Prevalence of Borna Disease Virus Infection among Psychiatric patients



Apart from working in mentioned projects, other responsibilities such as teaching molecular biology and cell culture techniques and maintenance of cell line banking and checking to be free of contamination were among my responsibilities.

Research Assistant, Pediatric Infectious Research Center of Shahid Beheshti University, Tehran, Iran, March 2004-June 2005

Cooperation in two projects are entitled:

- 1- Detection of Latent Infection in Epstein-Barr Virus in Pediatric Hodgkin Lymphoma Using Immunohistochemistry (IHC) and In Situ Hybridization.
- 2- Prevalence Electropherotypes and Subgroups Human Rotavirus among Hospitalized Children under 5-Years old with Acute Gastroenteritis.

Technician researcher, Department of Arboviruses and Hemorrhagic Fevers, Institute Pasteur of Iran, Tehran, Iran , March 2002-Feb 2004

FOREIGN LANGUAGES

| Languages | level of knowledge |
|---------------------------|--|
| English, Italian, persian | English (C1), Italian (B1), persian (native) |

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

| Year | Description of award |
|------|--|
| 2008 | Awarding fund from minister of Health of Iran for performing a project about prevalence of Borna Disease Virus in a collaboration between Neuroscience Research center and Free University of Berlin (15000 euro) |
| 2011 | PhD scholarship , University of Modena and Reggio Emilia |
| 2016 | Postdoc award from National Elite Foundation (Analyses of Inflammasome components among HIV patients with Neurocognitive disorders) |

TRAINING OR RESEARCH ACTIVITY

description of activity

- Cell culture techniques: Cell culture, stem cell culture and grow, virus detection in infected cells, cell infection, stem cell culture, medium preparation for cell culture, cell counting.
- Molecular biology techniques: DNA and RNA extraction, PCR and RT-PCR, protein extraction, Gene electrophoresis.
- In vivo techniques: mice and rat injection and handling
- Immunology techniques: PBMC isolation from whole blood, Monocyte isolation, working with different myltenyi kits, Flow cytometry, ELISA for diagnostic Ag and Abs against infectious diseases and cytokine detections.
- Microbiology techniques: traditional culturing bacteria, mycology techniques such as fungi culture in plate, Biofilm research such as biofilm culture and biofilm detection.



PROJECT ACTIVITY

| Year | Project |
|------|---|
| 2017 | Analyses of Inflammasome component among HIV patients |
| 2014 | Interaction between Candida albicans biofilm and Pathogenic Viruses |
| 2009 | Prevalence of Borna Disease Viruses among Psychiatric patients in Iran |
| 2008 | Genetic Strategy for Maximum Protection of Dopaminergic Neurons against Parkinsonian Toxicity |

PATENTS

| Patent |
|--------|
| |
| |

CONGRESSES AND SEMINARS

| Date | Title | Place |
|------------------|--|-----------------|
| Oct 25-27, 2017 | Prediction and Classification Neurocognitive Impairment among HIV positive Individuals in Tehran, Iran. The 16th European AIDS Clinical Society (EACS2017) | Milano, Italy |
| 22-24 Sep 2014 | Herpes simplex virus type 1 entrapped in candida albicans biofilm displays decreased sensitivity to antivirals. The 12th National Italian society for virology (Oral presentation) | Orvieto, Italy |
| Sep 11-14, 2013 | Candida albicans biofilm can retain and release human Herpes virus type-1 in vitro. (Investigator Award) ,5th European conference on virology | Lyon, France |
| Sep 17-19. 2012, | In vitro interactions between viruses and Candida biofilm. The Italian Society of Virology | Orvieto, Italy |
| Oct 12-16 , 2010 | Detection of Borna Disease Virus among Iranian Schizophrenia patients: Molecular and Cellular Approach. The 10th International symposium on Neuro Virology | Milano, Italy |
| June 25-27, 2009 | Prevalence of Borna Disease Virus markers among Iranian Bipolar Disorder patients and healthy subjects. The 8th International Conference on Bipolar Disorder | Pittsburgh, USA |
| June 26-28, 2007 | Lentiviruses: Vectors for gene therapy of infectious diseases and inflammation. The Second International Symposium on Molecular Technology, Cell Cycle and Cell Death | Tehran, Iran |



| | | |
|------------------|---|--------------|
| Dec 15-19 , 2006 | Diversity of human rotavirus VP6, VP7 and VP4 in Tehran, Iran. The 3rd Annual Meeting of the Iranian Society for Virology | Tehran, Iran |
| Sep 7-10, 2005 | The Purification of Ag60 from BCG in TB diagnosis and cancer therapy. The 8th International Conference Emerging Technologies in Drug and Gene-based Therapeutics | Greece |
| Dec 9-11, 2003 | Determination of Rotaviruses Groups which is Agents of Acute Diarrhea in Infants under Two-Years Old from Ahwaz, Iran. The 6th Annual Meeting of the International Epidemiology Association | Ahwaz, Iran |

PUBLICATIONS

1. Elham Mazaheri-Tehrani and et al. NLRP3 and NAIP gene expression is elevated in monocytes from HIV treated patients with neurocognitive. JAIDS. Submitted in July 9th 2020.
2. Seyed Alinaghi. SA , Mazaheri-Tehrani. E and et al. Comparison of Tuberculosis Indicators after Implementation of the Clinical Protocol for Tuberculosis and HIV Management in Iranian Prisons. Journal of Health Research. Jan 2020. DOI 10.1108/JHR-04-2019-0074.
3. Mazaheri-Tehrani, E and et al. Prevalence of HIV-associated Neurocognitive Disorder (HAND) and HAND-subgroups among people living with HIV in Tehran, Iran, Psihologija. 2020, Vol. 53(2), 115–127.
4. Mehran Izadi, Banafsheh Dadsetan, Zeinab Najafi, Sirous Jafari, Elham Mazaheri Tehrani, Omid Dadras, Hajar Heidari, SeyedAhmad SeyedAlinaghi, Fabricio Voltarelli. Levofloxacin versus Ceftriaxone and Azithromycin Combination in the Treatment of Community Acquired Pneumonia in Hospitalized Patients .Recent Pat Antiinfect Drug Discov. 2018;13(3):228-239
5. ,Farokhi R, and Mazaheri Tehrani, E. HIV prevalence and correlations in prisons in different regions of the world: a narrative review article. Open AIDS journal. Aug 2018; 12: 81–92.
6. Cristian Ascione, Arianna Sala, Elham Mazaheri-Tehrani, Simona Paulone, Beniamino Palmieri, Elisabetta Blasi and Claudio Cermelli. Herpes simplex virus 1 entrapped in Candida albicans biofilm displays decreased sensitivity to antivirals and UVA1 laser treatment. Annals of Clinical Microbiology and Antimicrobials. 2017, 16:72.
7. Mazaheri-Tehrani E, Maghsoudi. N, Shams. J, Soor. H, Motamedi. F, Atashi. H, Bode. L, Ludwig. H. Borna disease virus (BDV) infection in psychiatric patients and healthy controls in Iran. Virology Journal ,2014 Sep 3;11:161
8. Mazaheri-Tehrani E, Sala Ariana, Orsi CF, Blasi E, Cermelli C. Candida albicans biofilm can retain and release human pathogenic viruses in vitro. Virus Research 179 ,2014, 153– 160



9. Mossa Gardaneh, Yasin Panahi, Sahar Shojaei, Elham Mazaheri-Tehrani and Nader Maghsudi. Neuroprotection in Parkinson's Disease: a Multi-directional Genetic Strategy for Maximum Protection of Dopaminergic Neurons against Parkinsonian Toxicity. In: J Med Hypotheses Ideas, Oct 2010, 4(1)
10. Farzaneh Jadali, Abdollah Karimi, Fatemeh Fallah, et al and Elham Mazaheri-Tehrani. Detection of Epstein Barr Virus in pediatric Hodgkin Lymphoma in Iran by Immunohistochemistry (IHC) and In Situ Hybridization, Cancer Therapy, 2008, v.6, pp. 665-672.
11. Fatemeh Fallah, Gita Eslami, Mehdi Bootorabi, Bahram Kazemi, Hossein Goudarzi, Elham Mazaheri. Isolation of Chlamydia Pneumonia in Atherosclerosis Patients in Iran by PCR Method, Gene Therapy and Molecular Biology, 2006, v.10, pp.109-112.
12. Taremi M, Farahtaj F, Mazaheri Tehrani E, and Zali MR. Determination of Rotaviruses Groups and Electrophoretotypes which is Agents of Acute Diarrhea in Infants under five-Years Old Tehran, Iran (Article in Persian). Pajhoohandeh, 2006, 11(5):285-290.
13. Taremi M, Farahtaj F, Gachkar L, Mazaheri Tehrani E, Edalatkah H, and Zali MR. Molecular Epidemiology and clinical features of Rotavirus Infection in Iranian Children, Abstract published in the American Journal of Gastroenterology, 2005 v.100, no. 1029, p. S-371.
14. Alireza Samarbafzadeh, Elham Mazaheri Tehrani, Manouchehr Makvandi, and Mahnaz Taremi. Epidemiological Aspects of Rotavirus Infection in Ahwaz, Iran. Journal of Health Population and Nutrition, 2005, v. 23(3), pp. 245-249.

OTHER INFORMATION

- Writing scientific paper and proposals (for instance, applying two projects for European Respiratory Society in 2013-2015).
- Knowledge of general biology and specific biology such as Virology, Immunology, Neuroscience, cancer disease, Infectious diseases and etc (by passing more than 230 credits in all 10 years education in Universities).
- Experience in working in Middle East context (2 years) working for Tehran Medical University and Minister of Health of Iran, close contact with department of Emergency and Re-emergence of Minister of Health
- Experience in working for Women with HIV and AIDS, Minister of Health of Iran.

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Place and date: ___Modena, Italy_____, ___20/08/2020_____

SIGNATURE