

Curriculum Vitae

Ali Nasr Esfahani

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Education

- 2010 – 2011 **Summer student:** Marc Ruel's lab, Ottawa Heart Institute, Ottawa University, Canada.
Three months training: Rodent surgery for inducing myocardial infarction (MI model), Cell Isolation from rat bone marrow, Cell Culture, Angiogenesis Assay
- 2008 – 2010 **Master Program:** Molecular Genetics and Physiology; Linköping University; Sweden.
The program was focused on Eukaryotic molecular biology, genetics and physiology with the aim of broadening students' knowledge of biogenetic systems.
- Master thesis (1 year: 60cr):** Validation of transgenic mouse line with knock down of mGluR5 selectively in dopamine D1 receptor expressing neurons.
- Techniques learned during the program and the thesis:** Molecular Biology/Genetics techniques such as: Transgenic Techniques, Real-Time PCR, PCR, RNA and DNA purification, Recombination and Restriction enzymes, Gene Expression Analysis, ELISA, Western Blotting, Functional Genomics, Mouse Handling and Perfusion, Immunohistochemistry (IHC, IFC; Human/mouse brain sections, Chicken aorta tissue), Familiar with Cre-LoxP Technique.
- 1996 – 2004 **Medical Doctorate:** Medical School of Azad University, Najafabad, Iran.
Eight years of studying medicine with main focus on principles of clinical observation and treatment.
- M.D Thesis:** Studying the possible effects of Aspirin M.C on prognosis of Vitiligo.
Internship and Advanced Clinical Clerkships; Pre-internship and Clinical Clerkship; Pathophysiology of Diseases and Foundation of Medicine; Basic Life Sciences.
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Work Experience

- 2011 – Present **Research Engineer:** May Giriffith's lab, IGEN, Linköping University, Sweden
IHC/IFC (cryostat), EPCs Isolation (from peripheral blood), Cell Culture, and Flow Cytometry EPC count, Organizing Lab Meetings and some ordering precuts.
- 2010 – 2011 **Research stipend:** David Engblom's lab, IKE, Linköping University, Sweden.
One year sstipend for preparatory research courses from Linköping University.
Main responsibilities: IHC on mouse brain sections (vibrotom), some molecular biology/genetics techniques, and some microsurgeries. Working both independently and collaborating with other members of our group.
- 2004 – 2008 **Medical Practitioner** - Self Employed, Semirom, Iran.
I worked as a medical doctor. This job developed my theoretical and practical skills in medicine, helped me to gain more comprehensive insight towards the pathophysiological processes of the body.
During these years I improved my abilities in interacting with different people, handling stressful and high pressure situations, enhancing my management skills, which all provide me, distinguishes for my future research career.

Social Activity/Positions of Responsibility

- 2010 – 2011 President of Iranian Student Association, Linköping University, Sweden.
The association had more than 200 members and enrolls various meetings, cultural events, celebrations and ceremonies.
The position needs high communication skills, in addition to management ability and creativity and increased my potentials to control different unexpected demands and issues.
- 2009 – 2010 Vice President of Iranian Student Association, Linköping University, Sweden
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Languages

English	Advanced in all skills (IELTS overall score 7.5)
Persian	Mother Tongue
Swedish	Basic level
Arabic	Basic level

Computer Skills

Familiar with basic web design and HTML programming. Skilled in Microsoft Office (Word, Power Point and Excel) and familiar with C++ programming. Skilled in computer hardware assembly and handling technical problems.

Social Skills

I know myself a collaborative, communicative and flexible person who can easily join international environments and cope with new situations. I can work individually and independently, while I am also a teamwork person who has been always an active member in any group I have been working.

Publications:

I have participated in the following paper and my name is mentioned in the acknowledgment part: Martin Novak *et al*; Incentive Learning Underlying Cocaine-Seeking Requires mGluR5 Receptors Located on Dopamine D1 Receptor-Expressing Neurons; The Journal of Neuroscience, 2010 • 30 : 11973–11982

References

- May Griffith: Professor, Regenerative Medicine (IGEN), Linköping University; may.griffith@liu.se ,
Tell: +4613281756
- David Engblom: Assistant Professor, IKE, Linköping University; david.engblom@liu.se,
Tel: +46101038448
- Matthias Laska: Professor, IFM Biology, Linköping University; malas@ifm.liu.se, Tel: +4613281000