

Dr. Parastoo Ehsani

Work Experience and research projects:

2010-now: Pasteur Institute of Iran Research Fellow

“Transient expression of Rabies monoclonal antibody in plant”

2008-2010: MRC Research Fellow

“Role of nuclear organisation and chromatin remodelling factors in the epigenetic regulation of gene expression and silencing” MRC, CSC, Hammersmith Hospital, Imperial College of London.

2003-2008: Wellcome Trust Research Fellow

“Determination of interaction of splicing factor Prp8p with cellular complexes in *Saccharomyces cerevisiae*”. Institute of Cell Biology, Kings Buildings, University of Edinburgh.

2001-2003: Pasteur Institute of Paris Research Fellow

"Determination of mucosal immune responses induced by oral administration of plant co-expressed cytokine and hepatitis B surface antigen in mice". PT5, Biotechnology Department, Pasteur Institute of Paris.

1999-2001: Pasteur Institute of Iran Research Fellow

“Optimization of expression of anti-IL4 and IL6 scFv in tobacco and potato plants”. Molecular Biology Department, Pasteur Institute of Iran ,Tehran.

1998-1999: Pasteur Institute of Paris Research Fellow

“Production of anti-IL4 and anti-IL6 scFvs in tobacco”. Hybridoma Lab, Biotechnology Department, Pasteur Institute of Paris.

Teaching and Supervision Experience

Courses:

Sept. 2009- now Plant genetic engineering and Plant cell molecular biology to PhD students in Medical Biotechnology at Pasteur Institute of Iran.

Sept. 2009- now Plant genetic engineering and Plant cell molecular biology to PhD students in Pharmaceutical Biotechnology at Pasteur Institute of Iran.

2011-2012 Plant genetic engineering to PhD students in Biotechnology at University of Tehran

2012-Mechanisms of Microbial Antibiotic resistance for PhD students of Microbiology Pasteur Institute of Iran

Sept 2000 & Mar 1997 – Plant genetic engineering to PhD students at Pasteur Institute of Iran.

Workshops:

Feb 1994 – Supervised two workshops on molecular cloning techniques and associated soft wares at Pasteur Institute of Iran.

Students:

2010- now- One PhD and 4 Master student supervisions

2006 and 2007 – Supervised two Honours students in molecular biology techniques in yeast at Edinburgh University.

1997 and 2001 – Supervised two M.Sc. students during their research projects at Pasteur Institute of Iran.

1998 – Co-supervised a Ph.D. student (thesis “Expression of Sense and Antisense Potato Virus X (PVX) Coat Protein in Transgenic Potato Plants) at Pasteur Institute of Iran

1999- Trained one MSc student in plant transformation and regeneration at Pasteur Institute of Paris

Grants and Fellowships

1999-2000 - Iranian Ministry of Science and Technology grant

1998-1999 - Pasteur Institute of Paris postdoctoral fellowship

2001-2003 - Pasteur Institute of Paris postdoctoral fellowship

Publications

- Ohadi M., Rasouli R., Darzi-Eslam E., Jafari A., **Ehsani P.** *Expression of Shigella flexneri ipaB gene in tobacco*” Avicenna Journal of Medical Biotechnology April 2013

- Bannister K., **Ehsani P.**, Merckenschlager M., Chi T. H and Brown K. E, *A chromatin remodeling complex containing Baf57 and Ikaros is required to recruit loci silenced during positive selection to heterochromatin and to maintain their proximity to heterochromatic foci in murine lymphocytes. Manuscript in preparation.*
- Katherine V Towns, Athina Kipiot, Vernon Long, Martin McKibbin, **Ehsani P.**, Kelly Springe, Mohammed Kamal, Raj S Ramesar, David A Mackey, Anthony T Moore, Rajarshi Mukhopadhyay, Andrew R Webster, Graeme CM Black⁹, James O'Sullivan, Eric A Pierce, Jean Beggs, Chris F Inglehearn, *Prognosis for splicing factor PRPF8 Retinitis pigmentosa and correlation between human and yeast phenotypes. Hum Mutat* 2010 E31(5): 1361-76
- Boon K.L., Grainger R. J., **Ehsani P.**, Barrass J. D., Inglehearn C. F and Beggs J. D., *Splicing factor mutations that cause human Retinitis pigmentosa maturation leads to a U5 snRNP defect in yeast. Nat Struct Mol Biol*, 2007;14:1077-1083
- **Ehsani P.**, Meurnier A., Nato F. , Jafari A., Nato A., Mazie J-C., and Lafaye P., *Expression of anti human IL-4 and IL-6 in transgenic plant. Plant Mol Biol.* 2003;52:17-29.
- **Ehsani, P.**, Khabiri A., Domansky N. *Polypeptides of hepatitis B surface antigen produced in transgenic potato Gene*, 1997 ;190:107-111.
- Domansky, N., **Ehsani, P.**, Salmanian, A-H., Medvedeva, T. *Organ-specific expression of hepatitis B surface antigen in potato. Biotech Lett.* 1995;17:863-866.
- **Ehsani, P.**, Medvedeva, T., Domansky, N. *Expression of Hepatitis B surface antigen in transgenic potato plants. Iraninan Journal of Medical Sciences*, 1995;20:42-47.

Poster/ Conference Presentations

1. **Ehsani P.**, Grainger R. Beggs J., *Proteasome and Splicing a new link.* Presented at EMBO Conference: Ubiquitin and Ubiquitin-like Modifiers in Health and Disease. Riva del Garda, Italy Sept 2009
2. **Ehsani P.**, Nato A.,Lafaye P., Milon G.,Lebastard M, Nato F., *"Transient expression of Bicistronic Cassette carrying HBsAg and mouse GM-CSF and interferon gamma genes in tobacco "7th International Congress of Plant Molecular Biology « Barcelona 23-28 June 2003, poster.*
3. **Ehsani P.**, Meurnier A., Nato F., Old I., Jafari A., Nato A., Mazie J-C., and Lafaye P., *Production of anti-IL6 and anti-IL4 scFvs in tobacco New Frontiers in plant science and plant biotechnology 5-9 march 2000 Toulouse, oral presentation.*
4. Bendarkheyli A. Khabiri A., Ofoghi H., **Ehsani P.** *Enhanced expression of Hepatitis B surface antigen under control of Patatin class I and TEV leader sequence in transgenic potato plant., The first National Congress of Biotechnology Tehran . Iran, 22-24 Feb 2000, poster.*
5. Domansky, N., Khabiri A., **Ehsani, P.**, Salmanian, A-H., Hamideh Ofoghi, *Enhanced immunogenicity of transgenic plant-derived hepatitis middle surface antigen.5th International Congress of Plant Molecular Biology 21-27 September 1997, oral presentation.*
6. Khabiri A., **Ehsani P.**, Domansky N. *Immunogenicity of plant-driven M and S surface antigens of hepatitis B virus First congress of the Federation of immunogical societies of Asia- Oceania (FIMSA) (1996), poster.*
7. **Ehsani, P.**, Domansky, N. *Expression of hepatitis B surface antigen in transgenic potato. International Symposium Eukaryotic Expression Vector Systems. Biology and Application, New Delhi, India, Feb. 4-8, 1996,Oral presentation.*
8. Mokhtari Azad, T., **Ehsani, P.** *Diarrhea associated with rotavirus among young children in Tehran. Second International Mediterranean Conference on Tourist Health. Rimini, Italy. 15-18 March 1989, poster.*