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A Condensed CV

Morteza Asgari

Education:

High school: Mamazan Agricultural School, a Subsidiary of Near East Foundation

BSC: Biology, University of Isfahan, Isfahan, Iran

MSC: Biology (Microbiology) University of Houston, Houston, Texas, USA.

Ph.D. Biology (immunology): University of Houston, Houston, Texas, USA.

Post Doctorate Training: (Molecular Biology) Institute of Molecular Biology, University of Houston, Houston, Texas.

Teaching Experience:

General Biology, General Microbiology, Bacterial Systematic, Microbial Physiology, Biochemical Evolution: Bacterial Systematics, *University of Isfahan*.

General Microbiology, Microbiology for nursing students, Microbiology for Med. Students, Microbial physiology, Advanced Cell Biology, Advanced Molecular biology, Immunology, Recombinant DNA Technology: *University of Houston, Houston, Texas*.

Anatomy and Physiology (1) and (2): *HCCS, Houston, Texas*.

Immunology, Microbial toxins, General Microbiology, Soil Microbiology: *Nourdanesh Institute of Higher education, Meymeh, Isfahan*.

Inventions, papers, books :

Note: The following patented inventions was the ground work for isolation of fetal cells from maternal blood and identification of fetal genetic abnormalities using DNA probes (replacing the costly and dangerous amniocenteses) a billion dollars technology. No revenue for me because of the contract with the Biotechnology company named Arogenex.

- 1- US patent 2140278C: Enriching and identifying fetal cells from maternal blood. Morteza Asgari, Nagindra Prashad.
- 2- US patent 5861253: Intracellular antigens for identifying fetal cells in maternal blood. Morteza Asgari and Mark Blick. More on next page.

- 3- US patent 5629147: enriching and identifying fetal cells from maternal blood for *In situ* hybridization. Morteza Asgari and Mich cobbage.
- 4- World patent W005861235A: Intracellular antigens for identifying fetal cells. Morteza Asgari and Goe! Bresser.
- 5- World patent Wo1994002643A1: Nucleic Acid probes and their uses thereof to detectdouble stranded DNA. Morteza Asgari and Mark Blick.
- 6- Wold patent W01994002640A1:
- 7- Canadian patent 2140278enriching and identifying fetal cells. Morteza Asgari, Mrk Blick.
- 8- Us patent 6258540B1: Preservation of fetal cells in maternal plasma. Morteza Asgari, Joel Bresser.
- 9- And four more regarding rapid identification of HIV, HPV, CMV and HSV using DNA probe technology.
- 10- Five papers on my MSC and PH.D. work regarding Growth of haploid and diploid phases of *Physarum flavicomum* in defined growth media and identification of a new chytochrome in the respiratory chain of the mold; Morteza Asgari and Henry R. Henney , Jr.
- 11- A book on general microbiology, University of Isfahan.
- 12- Translated Bergy's Manual of Determinative Bacteriology, university of Isfahan (not published due to migration to US)
- 13- Translated, Diagnostic Microbiology, University of Isfahan (with Dr. Yousefi).
- 14- Translated, No More Sleepless Nights, Meymeh, plan to publish
- 15- Wrote Kundalini Yoga, Meymeh, plan to publish
- 16-

Administration Works and Achievements:

- 1- Chairman Biology Department, University of Isfahan
- 2- Acting President and Vice president of Research and Instructions, Nourdanesh Institute of Higher Education, Meymeh, Isfahan.
- 3- Member, Cultural Revolution, Basic science Committee Tehran, Iran.
- 4- Member, Jihad Daneshgahi, University of Isfahan.
- 5- Founder, Department of Microbiology, University of Isfahan.
- 6- Founder, Department of Botany, University of Isfahan.
- 7- Founder, Potato research Institute (no longer exist), University of Isfahan.

Community Services:

- Yoga teacher (for free) for many years at Houaton cultural and Islamic Center.
- Teaching Morality and Ethics to youth: Houston Cultural and Islamic center, for many years
- Founder, Job Creating Foundation: Meymeh, Isfahan.