

Nader Pourmand, Ph.D.

Adjunct Associate Professor of Biology, Department of Biology
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A. Professional Preparation

Degree	Year	University	Major
Ph.D.	1999	Karolinska Institute, Sweden	Experimental Medicine
M.S.	1997	Karolinska Institute, Sweden	Cell and Molecular Biology
B.S.	1993	Stockholm University, Sweden	Laboratory Science

B. Appointments

2008-present	Associate Professor of Biology Engineering, Texas Southern University, Houston
2008-present	Assistant Professor, Biomolecular Engineering, Baskin School of Engineering, University of California, Santa Cruz
2005-2008	Senior Research Associate, Stanford Genome Tech Center, Dept of Biochemistry, Stanford University
2001-2005	Research Associate, Stanford Genome Tech. Center, Dept. of Biochemistry, SU
2001-2003	Chief Scientific Officer, Xagros Technologies, Inc. Mountain View, CA
1999/2001	Post-doctoral Fellow, Stanford University, Dept. of Biochemistry

C. Selected Peer Reviewed Publications: (Selected publications)

1. Akhras MS, Unemo M, Thiyagarajan S, Nyrén P, Davis RW, Fire AZ, Pourmand N. Connector inversion probe technology: a powerful one-primer multiplex DNA amplification system for numerous scientific applications. PLoS ONE. 2007 Sep 19;2(9):e915.
2. Akhras MS, Thiyagarajan S, Villablanca A, Davis RW, Nyrén P, and Pourmand N. PathogenMip Assay: A multiplex pathogen detection assay. PLoS ONE. Feb 21;2:e223 2007.
3. Gharizadeh B, Akhras M, Nourizad N, Ghaderi M, Yasuda K, Nyrén P and Pourmand N. Methodological improvements of pyrosequencing technology. J Biotechnol. 2006 Jul 25;124(3):504-11.
4. Umehara S, Pourmand N, Webb CD, Davis RW, Yasuda K and Karhanek M. Current rectification with poly-l-lysine-coated quartz nanopipettes. Nano Lett. 2006 Nov;6(11):2486-92.
5. Thiyagarajan S, Karhanek M, Akhras M, Davis RW, Pourmand N. PathogenMIPer: a tool for the design of molecular inversion probes to detect multiple pathogens. BMC Bioinformatics. 2006 Nov 14;7:500.
6. Pourmand N, Diamond L, Garten R, Erickson JP, Kumm J, Donis RO and Davis RW. Rapid and highly informative diagnostic assay for H5N1 influenza viruses. PLoS ONE. 2006 Dec 20;1:e95.
7. Karhanek M, Kemp JT, Pourmand N, Davis RW and Webb CD. Single DNA molecule detection using nanopipettes and nanoparticles. Nano Lett. 2005 Feb;5(2):403-7.
8. Eason RG, Pourmand N, Tongprasit W, Herman ZS, Anthony K, Jejelowo O, Davis RW, Stolc V. Characterization of synthetic DNA bar codes in *Saccharomyces cerevisiae* gene-deletion strains. Proc Natl Acad Sci U S A. 27;101(30):11046-51 2004.
9. Hassibi A, Lee TH, Davis RW and Pourmand N. Bioluminescence Regenerative Cycle System for Nucleic Acid Quantification Assays. Proc. of SPIE, Vol. 4966, pp. 65-75 2003.

D. Synergistic Activities

Co-founder and Director of Biology, MagArray Inc., 2005

Board of Directors, MagArray Inc., 2005

Co-founder, Board of Directors, Chief Scientific Officer, Xagros Technologies, Inc., 2001-2003