

George E. Fox, Ph.D.

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A. Professional Preparation

Degree	Year	University	Major
B.S.	1967	Syracuse University	Chemical Engineering
Ph.D.	1974	Syracuse University	Chemical Engineering
Postdoc	1973-77	University of Illinois	Biochemistry

B. Appointments

1986-	University of Houston, Professor of Biology and Biochemistry
1988-2001	University of Houston, Director, Institute for Molecular Biology
1998-2000	University of Houston, Vice-Chair, Dept. Biology & Biochemistry
1982-1986	University of Houston, Assoc. Professor of Biochemical & Biophysical Sciences
1977-1982	University of Houston, Assistant Professor of Biochemical & Biophysical Sciences

C. Publications (selected)

1. Putonti C, Chumakov S, Mitra R, Fox GE, Willson RC & Fofanov Y. Human-blind probes and primers for dengue virus identification: Exhaustive analysis of subsequences present in the human and 83 dengue genome sequences, *FEBS J*, 2006, 273, 398-408.
2. Zhang Z, Jackson GW, Fox GE & Willson RC. Microbial Identification by Mass Cataloging, *BMC- Bioinformatics*, 2006, 321.
3. Hury J, Nagaswamy U, Larios-Sanz M & Fox GE. Ribosome Origins: The Relative Age of 23S rRNA Domains, *Origins Life & Evol Biosphere*, 2006, 36, 421-29.
4. Jackson GW, McNichols RM, Fox GE & Willson RC. Universal Bacterial Identification by Mass Spectrometry of Base-Specific 16S Ribosomal RNA Fragments, *Intn J Mass Spectrom*, 2007, 261, 218-26.
5. Tucker DL, Ott CM, Huff S, Fofanov Y, Pierson DL, Willson RC & Fox GE. Characterization of *Escherichia coli* MG1655 Grown in a Low-Shear Modeled Microgravity Environment, *BMC Microbiology*, 2007, 7, 15.
6. Larios-Sanz M, Kourentzi KE, Warmflash D, Jones J, Willson RC, Pierson DL & Fox GE. 16S rRNA Beacons for Bacterial Monitoring During Human Space Missions, *Aviation, Space, & Environ Med*, 2007, 78, Supplement 1, A43-47.
7. Warmflash D, Larios-Sanz M, Jones J, Fox GE & McKay DS, Biohazard Potential of Putative Martian Organisms for Exploration Class Human Space Missions, *Aviation, Space & Environ Med*, 2007, 78, Supplement 1, A79-88.
8. Stepanov VG & Fox GE. Stress-driven *in vivo* selection of a functional mini-gene from a randomized library expressing combinatorial peptides in *Escherichia coli*, *Mol Biol Evol*, 2007, 24, 1480-91.

D. Synergistic Activities

2007-2009	St. Thomas University Board of Regents Advisory Committee
2003-2008	Texas Southern Univ. NASA Research Ctr. National Advisory Committee
2004-2009	USRA Division of Space Life Sciences Advisory Council
2008, 2010	Vice Chair-2008 Gordon Conference on Origin of Life (Chair-2010)
2006	Mars Genetic Inventory of Spacecraft Analysis Workshop, JPL, Pasadena, CA
2005, 2007	UH Representative-USRA Annual Meeting of the Council of Institutions