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A. Professional Preparation

Degree	Year	University	Major
Ph.D.	1998	University of Texas	Molec Immunol, Cell Biology & Toxicology
M.S.	1990	Vector Control Res. Ctr. (WHO)	Medical Entomology
B.S.	1988	Womens Christian College	Zoology

B. Appointments

- 2005-present Asst. Professor, Dept of Biology, Texas Southern University, Houston, TX
Director: Osteoimmunology and Integrative Physiology Laboratory, NASA Johnson Space Center, Houston, TX; Asst. Professor of Surgery: Univ of Texas Health Science Center at Houston; Asst. Professor - Human Health and Performance, University of Houston; Faculty-Space Life Sciences PhD Track, Univ. of Texas Medical Branch, Galveston, TX
- 2001-2005 Director: Cellular Movement and Signal Transduction Laboratory, NASA Johnson Space Center, Houston, TX; Sr Research Scientist: Universities Space Research Assoc. (USRA), NASA Johnson Space Center, Houston, TX; Asst. Professor of Surgery: Univ of Texas Health Science Center at Houston; Asst. Professor: Human Health and Performance, Univ. of Houston; Int'l Consultant: IUPCRS Microgravity laboratory, Porto Alegre, Brazil; Visiting Scientist/Lecturer - Tokushima University, Japan; Chair- Cell Biology sessions- NASA Investigators Working Group Mtgs, European Low Gravity Res. Assoc.
- 1996-2001 Senior Research Scientist: Universities Space Research Association (USRA), NASA Johnson Space Center, Houston, TX, 1997-2001
Predoctoral fellow, UT MD Anderson Cancer Center, Houston, TX: 1996-98

C. Selected Peer Reviewed Publications: *Over 17 papers in peer reviewed scientific journals*

1. Sundaresan A, Risin D and Pellis NR. Loss of Signal transduction and inhibition of lymphocyte locomotion in a ground based model of microgravity. *In Vitro Cell Dev Biol* 38(2), 118-22 (2002)
2. Sundaresan A, Risin D and Pellis NR. Modeled microgravity-induced protein kinase C isoform expression in human lymphocytes. *J Appl Physiol*. June 2004.
3. Sundaresan A and Pellis NR: Human adaptation genetic response suites: Towards formulating new interventions and countermeasures for spaceflight. *J Grav Physiol*. 12(1):p229-32, 2005
4. Sundaresan A, Kulkarni AD, Yamauchi K and Pellis NR: The role of nucleotides in the augmentation of lymphocyte locomotion: Adaptational countermeasure development in microgravity analog environments. *Microgravity Science and Technology-XVIII-3/4* (2006).
5. Sundaresan A and Pellis NR: Gene Regulation in modeled microgravity, *Ann of NY Acad Sci*, in press
6. Martinelli LK, Russomano T, Santos MA, Falcão FP, Bauer ME, Machado A and Sundaresan A. The Development and Validation of a New Device to Study the Effect of Simulated Microgravity on Immune Cells: *Microgravity Science and Technology-* in press