

## CURRICULUM VITAE, 2019

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<http://www.cmu.edu/biolphys/jfstn>  
**Degrees:** 1970, B.A., Douglass College,  
Rutgers University, New Brunswick, NJ  
1981, Ph.D. in Comparative Biochemistry,  
University of California  
Berkeley, California

### EMPLOYMENT

1972-1975: Clinical and Research Radioimmunoassay Technician,  
Clinical Assays, Cambridge, MA  
1974-1975: Chemistry Tutor, University of Massachusetts, Boston, MA  
1975-1980: Lab Assistant, Prof. Packer's Lab, Univ. of California,  
Berkeley, CA  
1976-1978: Teaching Assistant and Reader, Biomembrane Course,  
University of California, Berkeley, CA  
1982-1986: Postdoctoral Research Biologist with Prof. J.F. Nagle,  
Carnegie Mellon University, Pittsburgh, PA  
1986-1998: Research Biologist in Membrane Structure and Thermodynamics,  
Carnegie Mellon University, Pittsburgh, PA  
1998-2005: Senior Research Biologist, Carnegie Mellon University,  
Pittsburgh, PA  
2005-2008: Associate Research Professor, Biological Physics Group  
Physics Department, Carnegie Mellon University, Pittsburgh, PA  
2008-2016: Research Professor, Biological Physics Group  
Physics Department, Carnegie Mellon University, Pittsburgh, PA  
2016-now: Research Professor Emerita, Biological Physics Group  
Physics Department, Carnegie Mellon University, Pittsburgh, PA  
2012-now: Faculty member in the Molecular Biophysics & Structural Biology  
Graduate Program at the University of Pittsburgh, Pittsburgh, PA

### HONORS

1976-1977: Out-of-State Tuition Waiver, Univ. of California, Berkeley, CA  
1976-1980: Graduate Grants-in-Aid, Univ. of California, Berkeley, CA  
1978: Honor Students' Society, Univ. of California, Berkeley, CA  
1985,1990: Samuel and Emma Winters Foundation Grant  
1989: Who's Who in the East, 22<sup>nd</sup> ed.  
1990,1997: World's Who's Who of Women, 10<sup>th</sup> and 14<sup>th</sup> eds.  
1994: American Men and Women of Science, 18<sup>th</sup> ed.  
1996: Who's Who in Science and Engineering, 3<sup>rd</sup> ed.  
1997: Who's Who in Medicine and Healthcare, 1<sup>st</sup> ed.  
2003: Avanti Award in Lipids, Biophysical Society  
(with Prof. John Nagle)  
2004: Chair-Elect, Membrane Structure and Assembly (MSAS)  
Subgroup meeting, Biophysical Society  
2005: Chair, MSAS Subgroup meeting at the Biophysical Society  
meeting in Long Beach, California  
2006: Who's Who in Science and Engineering, 9<sup>th</sup> ed.

2007: Who's Who in Science and Engineering, 10<sup>th</sup> ed.  
2007: Who's Who in Sciences Higher Education  
2009: Chair, Pittsburgh Diffraction Society nominating committee  
2009: Who's Who in America, 64<sup>th</sup> ed.  
2010: First Gluckstern Lecturer, Physics Dept., U. Mass., Amherst  
2010: 3<sup>rd</sup> Charles E. Kaufman Science Award, Pittsburgh Foundation  
2011: World Who's Who of Women, 15<sup>th</sup> ed.  
2014: Berkman Fund recipient, Carnegie Mellon University  
2018: World's Who's Who, Lifetime Achievement Award  
2019: Who's Who in America, 2019 edition  
Citations: H index = 48 (WoS), >10,000 citations total, ~600 citations/year

#### **AFFILIATIONS**

1978-now: Biophysical Society  
1982-now: Association for Women in Science, National organization  
2004-now: Association for Women in Science, Pittsburgh chapter  
1983-now: Sigma Xi, Carnegie Mellon University Chapter  
1990-1992: Sigma Xi, CMU Chapter Membership Secretary  
1993: Sigma Xi, CMU Chapter Vice President  
1994: Sigma Xi, CMU Chapter President  
1990-now: Pittsburgh Diffraction Society  
2006-17,20: American Chemical Society (ACS)  
2009-2011: American Physical Society (APS)  
2009-2017: American Association for the Advancement of Science (AAAS)

#### **INVITED LECTURES (57 from 1997 to 2020)**

#### **REVIEWER of SCIENTIFIC JOURNALS:**

ACS Nano, Journal of Physical Chemistry B, New Journal of Physics, Biophysical Journal, Chemistry and Physics of Lipids, Chemical Physics, Biochimica et Biophysica Acta, Langmuir, Nature Communications, Physical Chemistry Chemical Physics, Proceedings of the National Academy of Sciences, Journal of Colloids and Surfaces, Biochemistry

#### **TEACHING**

Research for Undergraduates: 33-350 (sophomores and juniors), and 33-451 (seniors) (continuing)  
Experimental Physics: 33-104 (Fall, 2016)

#### **SCIENCE FAIRS and OUTREACH ACTIVITIES**

1990 - present: Judge at Sigma Xi Undergraduate Research Symposium (Meeting of the Minds), Presenter of the CMU Chapter of Sigma Xi Awards at the Pennsylvania Junior Academy of Sciences and the SciTech (Pittsburgh Regional Science and Engineering Fair), Judge at the Biophysical Society SRAA poster competition, Mentor for the HHMI Summer Research Experience for Undergraduates, and the NATO Summer Program for Physics, Mentor for the Milliones-CMU Physics Dept. Outreach program, Mentor for the Douglass College Extern Program, Lecturer for High Schools students at Ellis and Perry Traditional Academy 2005,7,10,12,14: Mentor HHMI Summer Research Experience for Undergraduates

#### **PUBLICATIONS (as of March, 2020): 101**

Citations: H index = 48, ~10,000 citations total, ~600/year