CURRICULUM VITAE
The Johns Hopkins University School of Medicine

Robert E. Jensen **12/31/2013**

DEMOGRAPHIC INFORMATION

Current Appointment: Department of Cell Biology, Johns Hopkins School of Medicine

Personal Data: Department of Cell Biology
Johns Hopkins University School of Medicine
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Education & Training:

1970-1975	B.S. University of Washington, Seattle, WA Zoology & Organic Chemistry
1977-1983	PhD Institute of Molecular Biology University of Oregon, Eugene, OR Department of Biochemistry & Biophysics University of California, San Francisco Molecular Biology & Genetics *advisor*: Dr. Ira Herskowitz
1983-1985	Postdoctoral Fellow Biocenter Basel, Switzerland Cell Biology *advisor*: Dr. Gottfried Schatz,
1983-1985	Postdoctoral Fellow Department of Biology University of California, San Diego *advisor*: Dr. Michael Yaffe

Professional Experience:

1988-1994	Assistant Professor Department of Cell Biology & Anatomy, Johns Hopkins School of Medicine

1994-2004	Associate Professor Department of Cell Biology Johns Hopkins School of Medicine
2004-present	Professor Department of Cell Biology Johns Hopkins School of Medicine
2010-present	Adjunct Professor Department of Biological Chemistry Johns Hopkins School of Medicine

RESEARCH ACTIVITIES

Publications:

Peer-reviewed original research articles:

1. **Jensen, RE**, Zdybak, WT, Yasuda, K and Chilton, WS. (1977) A useful synthesis of nopaline, a crown gall tumor metabolite. *Bioch. Bioph. Res. Comm.* **75**: 1066-1070.

2. Chilton, WS, Bigwood, J and **Jensen, RE.** (1979) Psilocin, bufotenine and serotonin: historical and biosynthetic observations. *J. Psych. Drugs* **11**: 61-69.

3. Sprague, GF, Jr, **Jensen, RE** and Herskowitz, I. (1983) Control of yeast cell type of by the mating type locus *MAT*α*1* is a positive regulator of RNA production from the α-specific *STE3* locus. *Cell* **32**: 409-415.

4. **Jensen, RE**, Sprague, G.F., Jr. and Herskowitz, I. (1983) Regulation of yeast mating type interconversion: Feedback control of *HO* expression by the mating type locus. *Proc. Natl. Acad. Sci.* **80**: 3035-3039.

5. Stern, M, **Jensen, RE** and Herskowitz, I. (1984) Five *SWI* genes are required for expression of the *HO* gene in yeast. *J. Mol. Biol.* **178**: 853-868.

6. Russell, DW, **Jensen, RE**, Zoller, MJ, Errede, B, Burke, J, Smith, M and Herskowitz, I. (1986) Structure of the yeast *HO* gene and analysis of its upstream regulatory region. *Mol. Cell Biol.* **6**: 4281-4294.

7. Witte, C, **Jensen, RE**, Yaffe, MP and Schatz, G. (1988) *MAS1*, a gene essential for yeast mitochondrial assembly encodes a subunit of the mitochondrial processing protease. *EMBO J.* **7**: 1439-1488.

8. Yang, M, **Jensen, RE,** Yaffe, MP and Schatz, G. (1988) Purification of a two-subunit protease from the yeast mitochondrial matrix which processes important precursor proteins. *EMBO J.* **7**: 3857-3862.

9. **Jensen, RE** and Yaffe, MP. (1988) Import of proteins into yeast mitochondria: the nuclear *MAS2* gene encodes a component of the processing protease that is homologous to the *MAS1*-encoded subunit. *EMBO J.* **7**: 3863-3971.

10. Yaffe, MP, **Jensen, RE** and Guido, EC. (1989) The major 45-kDa protein of the yeast mitochondrial outer membrane is not essential for cell growth or mitochondrial function. *J. Biol. Chem.* **264**: 21091-21096.

11. Apperson, M, **Jensen, RE**, Suda, K, Witte, C and Yaffe, MP. (1990) A yeast protein homologous to the proteolipid of the chromaffin granule proton-ATPase, is important for cell growth. *Biochem. Biophys. Res. Comm.* **30**: 574-579.

12. **Jensen, RE**, Schmidt, S and Mark, BJ. (1992) Mutations in a 19 amino acid hydrophobic region of the yeast cytochrome c1 presequence prevent sorting to the mitochondrial intermembrane space. *Mol Cell. Biol.* **12**: 4677-4686.

13. Emtage, JLT and **Jensen, RE.** (1993) *MAS6* encodes and essential inner membrane component of the yeast mitochondrial protein import pathway. *J. Cell Biol.* **122**: 1003-1012.

14. Ryan, KR and **Jensen, RE.** (1993) Mas6p can be cross-linked to an arrested precursor and interacts with other proteins during mitochondrial protein import. *J. Biol. Chem.* **268**: 32: 23743-23746.

15. Ryan, KR, Menold, MM, Garrett, S and **Jensen, RE.** (1994) *SMS1*, a high-copy suppressor of the yeast mas6 mutant, encodes an essential inner membrane protein required for mitochondrial protein import. *Mol. Biol. Cell* **5:** 52-538.

16. Burgess, SM, Delannoy, M and **Jensen, RE.** (1994) *MMM1* encodes a mitochondrial outer membrane protein essential for establishing and maintaining the structure of yeast mitochondria. J. *Cell Biol.* **126**: 1375-1391.

17. Lohret, TA, **Jensen, RE** and Kinnally, KW. (1997) Tim23p, a protein import component of the mitochondrial inner membrane, is required for normal activity of the mitochondrial inner membrane channel, MCC. *J. Cell Biol.* **137**:377-386.

18. Kerscher, O, Holder, J, Srinivasan, M, Leung, RS and **Jensen, RE.** (1997) The Tim54p/Tim22p complex mediates insertion of proteins into the mitochondrial inner membrane. *J. Cell Biol.* **139**: 1663-1675.

19. Ryan, KR, Leung, RS, and **Jensen, RE.** (1998) Characterization of the mitochondrial inner membrane translocase (TIM) complex: the Tim23p hydrophobic domain interacts with Tim17p, but not other Tim23p molecules. *Mol. Cell Biol.* **18**: 178-187.

20. Davis, AJ, Ryan, KR and **Jensen, RE.** (1998) Tim23p contains separate and distinct signals for targeting to mitochondria and insertion into the inner membrane. *Mol. Biol Cell* **9**: 2577-2593.

21. Sesaki H, and **Jensen RE.** (1999) Division versus fusion: Dnm1p and Fzo1p antagonistically regulate mitochondrial shape. *J. Cell Biol.* **147**: 699-706.

22. Kerscher, O, Sepuri, NB and **Jensen, RE.** (2000) Tim18p is a new component of the Tim54p-Tim22p translocon in the mitochondrial inner membrane. *Mol. Biol. Cell* **11**: 103-116.

23. Davis, AJ, Sepuri, NBV, Holder, J, Johnson, AE and **Jensen, RE.** (2000) Two intermembrane space TIM complexes interact with different domains of Tim23p during its import into mitochondria. *J. Cell Biol.* 150: 1271-1282.

24. Sesaki, H and **Jensen, RE.** (2001) *UGO1* encodes an outer membrane protein required for mitochondrial fusion. J *Cell Biol.* **152**: 1123-1134.

25. Cerveny, KL and **Jensen, RE.** (2001) Division of mitochondria requires a novel Dnm1p-interacting protein, Net2p. *Mol. Biol. Cell* **12**: 309-321.

26. Aiken Hobbs, AE, McCaffery, JM and **Jensen, RE.** (2001) Mmm1p, a mitochondrial outer membrane protein, is connected to mitochondrial DNA nucleoids and required for mtDNA stability. *J. Cell Biol.* **152**: 401-410.

27. Kovermann, P, Truscott, KN, Guiard, B Rehling, P B Sepuri, NB, Müller, H, **Jensen, RE**, Wagner, R and Pfanner, N. (2002) Tim22, the essential core of the mitochondrial protein insertion complex, forms a voltage-activated and signal-gated channel. *Mol. Cell* **9**: 363-373.

28. Sesaki, H, Southard, SM, Yaffe, MP and **Jensen, RE.** (2003) Mgm1p, a Dynamin-related GTPase, is essential for fusion of the mitochondrial outer membrane. *Mol. Biol. Cell*, 14: 2342-2356.

29. Dunn, CD and **Jensen, RE.** (2003) Suppression of a defect in mitochondrial protein import identifies cytosolic proteins required for viability of yeast cells lacking mitochondrial DNA. *Genetics*, **165:** 35-45.

30. Cerveny, KL and **Jensen, RE.** (2003) The WD-repeats of Net2p interact with Dnm1p and Fis1p to regulate division of mitochondria. *Mol. Biol. Cell*, **14:** 4126-4139.

31. Sesaki H, Southard SM, Hobbs AE, and **Jensen RE.** (2003) Cells lacking Pcp1p/Ugo2p, a rhomboid-like protease required for Mgm1p processing, lose mtDNA and mitochondrial structure in a Dnm1p-dependent manner, but remain competent for mitochondrial fusion. *Biochem. Biophys. Res. Commun.* **308:** 276-283.

32. Grigoriev, SM, **Jensen, RE** and Kinnally, KW. (2003) Control of mitochondrial protein import by pH. *FEBS Lett.* **553**: 163-166.

33. Sesaki H, Southard SM, Hobbs AE, and **Jensen RE.** (2003) Cells lacking Pcp1p/Ugo2p, a rhomboid-like protease required for Mgm1p processing, lose mtDNA and mitochondrial structure in a Dnm1p-dependent manner, but remain competent for mitochondrial fusion. *Biochem. Biophys. Res. Commun.* **308:** 276-283.

34. Sesaki, H and **Jensen, RE.** (2004) Ugo1p links the Fzo1p and Mgm1p GTPases for mitochondrial fusion. *J. Biol. Chem.* **27:** 28280-28303.

35. Youngman, MJ, Aiken Hobbs, AE, Burgess' SM, Srinivasam, M and **Jensen, RE.** (2004) Mmm2p, a mitochondrial outer membrane protein required for yeast mitochondrial shape andmaintenance of mtDNA nucleoids. *J. Cell Biol.*, **164**: 677-688.

36. Everard-Gigot V., Dunn C.D., Dolan B.M.. Brunner S., Jensen R.E., Stuart R.A. (2005) Functional analysis of subunit e of the F1Fo-ATP synthase of the yeast *Saccharomyces cerevisiae*: importance of the N-terminal membrane anchor region. *Eukaryot. Cell* **4**: 346-355.

36. Dunn, CD, Lee, MS, Spencer, FA and **Jensen, RE** (2006) A genome-wide screen for petite-negative yeast strains yields a new subunit of the i-AAA protease complex. *Mol. Biol. Cell* **17**: 213-226.

37. Sesaki, H, Dunn, CD, Iijima, M, Shepard, KA, Yaffe, MP, Machamer, CE and **Jensen, RE** (2006). Ups1p, a conserved intermembrane space protein, regulates mitochondrial shape and alternative topogenesis of Mgm1p. *J Cell Biol.* **173**: 651-658.

38. Davis, AJ, Alder, NN, **Jensen, RE** and Johnson, AE (2007). The Tim9p/10p and Tim8p/13p complexes bind to specific sites on Tim23p during mitochondrial protein import. *Mol Biol. Cell.* **18**: 475-486.

39. Cerveny, KL, Studer, SL, **Jensen, RE** and Sesaki, H (2007) Yeast mitochondrial division and distribution requires the cortical Num1 protein. *Dev. Cell* **3**: 363-375.

40. Meisinger, C, Pfannschmidt, S, Rissler, M, Milenkovic, D, Becker, T, Stojanovski, D, Youngman, MJ, **Jensen, RE**, Chacinska, A, Guiard, B, Pfanner, N and Wiedemann, N (2007) The morphology proteins Mdm12/Mmm1 function in the major beta-barrel assembly pathway of mitochondria. *EMBO J.* **26**: 2229-2239.

41. Peixoto PM, Graña F, Roy TJ, Dunn CD, Flores M, **Jensen RE** and Campo ML (2007) Awaking TIM22, a dynamic ligand-gated channel for protein insertion in the mitochondrial inner membrane. *J. Biol. Chem.* **282**: 18694-18701.

42. Alder NN, Sutherland J, Buhring AI, **Jensen RE** and Johnson AE. (2008) Quaternary structure of the mitochondrial TIM23 complex reveals dynamic association between Tim23p and other subunits. *Mol Biol Cell.* **19**: 159-170.

43. Yamano K, Yatsukawa Y, Esaki M, Hobbs AE, **Jensen RE** and Endo T (2008) Tom20 and Tom22 share the common signal recognition pathway in mitochondrial protein import. *J. Biol. Chem.* **283**: 3799-3807.

44. Alder NN, **Jensen RE** and Johnson AE (2008) Fluorescence mapping of mitochondrial TIM23 complex reveals a water-facing, substrate-interacting helix surface. *Cell* **134**: 439-450.

45. Dunn CD, Tamura Y., Sesaki H and **Jensen RE.** (2008) Mgr3p and Mgr1p are adaptors for the mitochondrial i-AAA protease complex. *Mol. Biol. Cell* **19**: 5387-5397.

46. Kane, LA, Youngman, MJ, **Jensen, RE** and Van Eyk, JE. (2010) Phosphorylation of the F_1F_o ATP Synthase ß Subunit. Functional and Structural Consequences Assessed in a Model System. *Circ. Res.* **106**: 504-413.

47. Roy Chowdhury, A., Bakshi, R., Wang, J., Yildirir, G., Liu, B., Pappas-Brown, V., Tolun, G., Griffith, J.D., Shapiro, T.A., Jensen, R.E., *et al.* (2010). The killing of African trypanosomes by ethidium bromide. *PLoS Pathog. 6*, e1001226.

48. Yamamoto, H., Itoh, N., Kawano, S., Yatsukawa, Y., Momose, T., Makio, T., Matsunaga, M., Yokota, M., Esaki, M., Shodai, T., *et al.* (2011). Dual role of the receptor Tom20 in specificity and efficiency of protein import into mitochondria. *Proc. Natl. Acad. Sci. USA 108*, 91-96.

49. Clayton, A.M., Guler, J.L., Povelones, M.L., Gluenz, E., Gull, K., Smith, T.K., Jensen, R.E., and Englund, P.T. (2011). Depletion of mitochondrial acyl carrier protein in bloodstream form Trypanosoma brucei causes a kinetoplast segregation defect. *Eukaryot Cell. 10*, 286-292.

52. Yamamoto, H., Itoh, N., Kawano, S., Yatsukawa, Y., Momose, T., Makio, T., Matsunaga, M., Yokota, M., Esaki, M., Shodai, T., Kohda, D., Hobbs, A. E., Jensen, R. E., and Endo, T. (2011) Dual role of the receptor Tom20 in specificity and efficiency of protein import into mitochondria. *Proc. Natl. Acad. Sci. USA 108*, 91-96.

51. Wang, J., Englund, P. T., and Jensen, R. E. (2012) TbPIF8, a *Trypanosoma brucei* protein related to the yeast Pif1 helicase, is essential for cell viability and mitochondrial genome maintenance. *Mol. Micro.* **83**: 471-485.

Review articles and commentaries:

1. Herskowitz, I, Rine, J, Sprague, GF, Jr and **Jensen, RE.** (1980) Control of cell type in yeast by genetic cassettes. *Miami Winter Symp.* **17**: 133-153.

2. Ryan, KR and **Jensen, RE.** Protein translocation across mitochondrial membranes: What a long, strange trip it is. *Cell* **83**: 517-520.

3. **Jensen, RE**, and Kinnally, KW (1997) The mitochondrial protein import pathway: Are precursors imported through membrane channels? *J. Bioenerg. Biomembr.* 1995; **29**:3-10.

4. **Jensen, RE** and Johnson, AE. (1999) Protein translocation: Is Hsp70 pulling my chain? *Curr. Biol.* **9**: 779-782.

5. **Jensen, RE**, Aiken Hobbs, AE, Cerveny, KL and Sesaki, H. (2000) Yeast mitochondrial dynamics: fusion, division, segregation and shape. *Microscopy. Research & Technique* **51:** 573-583.

6. **Jensen, RE** and Johnson, AE. (2001) Opening the door to mitochondrial protein import. *Nature Strut. Biol.* **8**: 1008-1010.

7. **Jensen, RE** and Dunn, C. (2002) Protein import into and across the mitochondrial inner membrane: role of the TIM23 and TIM22 translocons. *Bioc. Biophys. Acata.* **1592**: 25-34.

8. Johnson, AE and **Jensen, RE.** (2004) Barreling through the membrane. *Nat. Struct. Mol. Biol.* ***11:*** 113-114.

9. **Jensen, RE.** (2005) Control of mitochondrial shape. *Curr. Opinion. Cell Biol.* **17**:384-388.

10. **Jensen RE,** Dunn CD, Youngman MJ, Sesaki H. (2004) Mitochondrial building blocks. *Trends Cell Biol*. **14**:
215-218.

11. **Jensen, RE** and Sesaki, H. (2006) Ahead of the curve: mitochondrial fusion and phospholipase D. *Nat. Cell Biol.* **8**: 1215-1217.

12. Cerveny KL, Tamura Y., Zhang Z., **Jensen RE** and Sesaki H. (2007) Regulation of mitochondrial fusion and division. *Trends Cell Biol.* **17**: 563-569.

13. **Jensen RE**, Simpson L. and Englund PT. (2008) What happens when *Trypanosoma brucei* leaves Africa. *Trends Parasitol.* **24**: 428-431.

Letters, correspondence:

1. Pfanner, N, Douglas, MC, Endo, T, Hoogenraad, NJ, **Jensen, RE**, Meijer, M, Neupert, W, Schatz, G, Schmitz, UK and Shore, GC. (1996) Uniform nomenclature for the protein transport machinery of the mitochondrial membranes. *Trends Bioch. Sci.* **21**: 51-52.

Book Chapters:

1. Rine, JR, **Jensen, RE**, Hagen, DC, Blair, L and Herskowitz, I. (1981) Pattern of switching and fate of the replaced cassette in yeast mating type interconversion. *Cold Spring Harbor Symp. Quant. Biol.* **45**: 95-113.

2. **Jensen, RE** and Herskowitz, I. (1984) Directionality and regulation of cassette substitution in yeast. *Cold Spring Harbor Symp. Quant. Biol.* **49**: 97-104.

3. Herskowitz, I and **Jensen, RE.** (1991) Putting HO to work. In: Guide to Yeast Genetics and Molecular Biology. C. Guthrie and G.R. Fink (eds.) *Methods Enzymol.* **194**: 132-146.

Extramural sponsorship:

Active:

Structure and Synthesis of kDNA
1/1/80 - 1/1/14
NIH NIAID
R01 AI058613-42
Role: Principal Investigator
Principal Investigator: Robert E. Jensen, Ph.D. (co-Principal Investigator: Dr. Paul Englund; Johns Hopkins University)

Pending: ***None***

Previous:

Import of Proteins into Yeast Mitochondria
10/1/88 – 9/30/89
American Cancer Society Institutional Research Grant
IN-11-28
Role: Principal Investigator
Principal Investigator: Robert E. Jensen, Ph.D.

Import of Proteins into Yeast Mitochondria
7/1/89 - 6/30/91
American Cancer Society
MV-454
Principal Investigator: Robert E. Jensen, Ph.D.

Establishment of an In Vitro Assay to Study the Sorting of Proteins to the Mitochondrial Intermembrane Space
12/1/90 – 11/30/91
Johns Hopkins University Institutional Research Projects Committee
SO7 RR05378 Biomedical Research Support Grant
Role: Principal Investigator

Principal Investigator: Robert E. Jensen, Ph.D.

Import of Proteins into Yeast Mitochondria
7/1/91 – 6/30/92
American Cancer Society
MV-454A
Role: Principal Investigator
Principal Investigator: Robert E. Jensen, Ph.D.

Junior Faculty Research Award
1/1/92 – 12/31/94
American Cancer Society
JFRA-376
Role: Principal Investigator
Principal Investigator: Robert E. Jensen, Ph.D.

Import of Proteins into Yeast Mitochondria
7/1/92 – 6/30/93
American Cancer Society
VM-20B
Role: Principal Investigator
Principal Investigator: Robert E. Jensen, Ph.D.

Protein Import into Yeast Mitochondria
1/1/93 – 12/31/04
NIH / NIGMS
RO1 GM046801
Role: Principal Investigator
Principal Investigator: Robert E. Jensen, Ph.D.

Protein Translocation and Integration at Mitochondria
1/1/02 – 12/31/05
NIH / NIGMS
RO1 GM64580
Role: Co-Investigator, PI of Subcontract, Robert E. Jensen, Ph.D.
Principal Investigator: Robert E. Jensen, Ph.D. (co-Principal Investigator: Dr. Art Johnson; Texas A&M University,)

Mitochondrial Dynamics – Morphology/Division/Segregation
6/1/96 – 5/30/10
NIH / NIGMS
RO1 GM54021-14
Role: Principal Investigator
Principal Investigator: Robert E. Jensen, Ph.D.

DMCA and Barth Syndromes- similar diseases caused by defects in mitochondrial protein import?

7/1/10 - 6/30/12
United Mitochondrial Disease Foundation
Role: Principal Investigator
Principal Investigator: Robert E. Jensen, Ph.D.

EDUCATIONAL ACTIVITIES

Teaching:

Classroom instruction:

2008-2011	Instructor and course director, “Method and Logic”, second year graduate (BCMB) course, Johns Hopkins Medical School.
2003- present	Instructor, “Cell Structure & Dynamics”, first-year graduate (BCMB) Cell Biology course, Johns Hopkins Medical School.
2003- 2006	Course director, “Cell Structure & Dynamics”, first-year graduate (BCMB) Cell Biology course, Johns Hopkins Medical School.
2000-2003	Co-Course director (with Dr. Pierre Coloumbe), “Cell Biology & Biochemistry”, first-year graduate (BCMB) Cell Biology course, Johns Hopkins Medical School.
1998-2001	Course director, “Cell Physiology”, first year medical student course, Johns Hopkins Medical School.
1993-1997	Instructor and course director, “Method and Logic”, second year graduate (BCMB) course, Johns Hopkins Medical School
1991-1996	Lectures and lab instructor, "Organ Systems & Histology”, first year medical student course, Johns Hopkins Medical School.
1990-1993	Instructor, “Genetics”, first year graduate course, Johns Hopkins Medical School.
1989-1993	Instructor, Summer Physiology Course, Marine Biological Laboratory, Woods Hole, MA.
1989-present	Lectures, lab instructor & small group discussion leader, “Cell Physiology”, first year medical student course, Johns Hopkins Medical School.

Mentoring:

Thesis Advisor (past, with present positions indicated):

Jennifer Emtage, Ph.D. 1994; present location unknown
Shawn Burgess, Ph.D. 1995; Assistant Professor, National Cancer Institute, Bethesda, MD
Kathleen Ryan, M.D., Ph.D. 1997; Assistant Professor, University of California, Berkeley, CA
Oliver Kerscher, Ph.D. 1999; Assistant Professor, The College of William and Mary, Williamsburg, VA
Alyson Aiken Hobbs, Ph.D. 1999; secondary school teacher, Boston, MA
Alison Davis Ph.D. 2000; Research Associate, Tufts University, Boston, MA
Kara Cerveny, Ph.D. 2005; Assistant Professor, Reed College, Portland, OR
Cory Dunn, Ph.D. 2006; Assistant Professor, Koç Üniversitesi, Istanbul Turkey
Matt Youngman, Ph.D. 2007; Assistant Professor, Villanova, PA

Post-Doctoral Sponsor (past, with present positions indicated):

Dr. Ken Saville, 1994-1995, Associate Professor, Department of Biology, Albion College, MI
Dr. Maithreyan Srinivasan, 1996-1998, Research Scientist, Synergen Corporation, Boston. MA
Dr. Meredith Morris, 1999 Associate Professor, Clemson University
Dr. Naresh Sepuri, 1998-2000, Research Associate, Thomas Jefferson University, Philadelphia, PA
Dr. Heidi Hoard-Fruchy, present location unknown
Dr. Hiromi Sesaki, 1997-2007; Assistant Professor, Dept. of Cell Biology, Johns Hopkins School of Medicine, Baltimore, MD.
Dr. Calvin Tiengwe, 2009-2013, Postdoctoral Fellow, SUNY Buffalo, NY
Dr. Marina Allary, 2007-2013, Research Associate, JHSPH
Dr. Jianyang Wang , 2007-2013, Research Associate, JHSPH
Dr. Valeria Pappas-Brown, 2008-2013, Research Associate, University of Maryland, College Park, MD

Training grant participation:

Biochemistry, Cellular and Molecular Biology graduate student training grant
Cellular and Molecular Medicine graduate student training grant

Editorial Activities:

Editorial board appointments:

1997-2004	Molecular and Cellular Biology
2000-2004	Nature Reviews: Molecular Cell Biology
2000-2007	Mitochondrion
2001-2010	Current Genetics
2002-2005	Methods Enzymology

Journal peer review activities:

Cell, Molecular Cell, Developmental Cell, Science, Nature, Nature Cell Biology, Nature Structural Biology, Journal of Cell Biology, Molecular Biology of the Cell, Journal of Biological Chemistry, Molecular Cellular Biology, Genetics, Proceedings of the National Academy of Science, Journal of Molecular Biology, Journal of Bioenergetics and Biomembranes

ORGANIZATIONAL ACTIVITIES

Institutional Administrative Appointments:

2012-present	Curriculum revision committee for BCMB graduate program
2008- 2010	Course Director, “Method and Logic”, second year graduate student course.
1993-1997	Course Director, “Method and Logic”, second year graduate student course.
2003- 2006	Organizer & Course Director for first-year BCMB course (Cell Structure & Dynamics)
2001–2007	Associate Professor Promotions Committee.
2000-2003	Co-Course director (with Dr. Pierre Coulombe), “Cell Biology & Biochemistry”, first-year graduate (BCMB) Cell Biology course, Johns Hopkins Medical School
1997-2002	Course Director, “Biochemistry & Cell Biology, first year graduate student course.
1998-2001	Course Director, Cell Biology block of "Molecules and Cells", first year medical student course.
1991	Co-organizer for development of a new second-year BCMB course (Method and Logic)
1990	Co-organizer for development of a new first-year BCMB course (Genetics)
1989-1995	Admission Committee for BCMB graduate program.

Professional Societies:

American Society for Cell Biology
American Society of Microbiology
American Association for the Advancement of Science
Genetics Society of America

Conference Organizer & Session Chair:

2003	Keynote Address, “FEBS Advanced Lecture Course on "Origin and Evolution of Mitochondria and Chloroplasts", April 5-10, Hvar, Croatia
2002	Session Chair, “Protein Trafficking at Membranes”, America Society for Biochemistry and Molecular Biology Annual Meeting, April 20 – 24, New Orleans, LA
2000	Co-organizer (with Dr. Art Johnson), American Society of Microbiology Conference on “Macromolecular Transport Across Cellular Membranes”, May 31- June 4, Savannah, GA
1998	Session Chair, “Mitochondrial Protein Biogenesis” Symposium, Bayerische Akademie der Wissenschaften, May 14- 16, Munich, Germany

Advisory Committees & Review Groups:

1997	NIH Study Section (CBY-1), *ad hoc* reviewer
2001	NIH Study Section (CDF-2), *ad hoc* reviewer
2003- 2006	NIH Study Section (CDF-2), regular member
2006-2011	NIH Study Section (F05, predoctoral and postdoctoral grants)

RECOGNITION

Awards & Honors:

2010	Best grant award, United Mitochondrial Disease Foundation
1992 – 1994	American Cancer Society Junior Faculty Research Award
1985 - 1987	American Cancer Society, California Division, Senior Postdoctoral Fellowship
1983 - 1985	Damon Runyon-Walter Winchell Postdoctoral Fellowship