

CURRICULUM VITAE: JAMES D. BANGS

Citizenship: United States of America

Address: Department of Medical Microbiology and Immunology
University of Wisconsin-Madison Medical School
1550 Linden Drive, Madison, WI 53706

phone: (608) 262-3110 fax: (608) 262-8418

email: jdbangs@wisc.edu

Home: 1405 Nishishin Trail, Monona, WI 53716 (608)-231-0182



Field: Molecular & cellular parasitology focusing on African trypanosomes

Education:

- 1977 B.S. in Biology (High Honors), Bates College, Lewiston, Maine. Thesis: 'Antigenic modulation in *Trypanosoma congolense*' (Andrew E. Balber, Advisor)
- 1986 Ph.D. in Biochemical, Cellular and Molecular Biology, Johns Hopkins University School of Medicine, Baltimore, Maryland. Thesis: 'Biosynthesis of a variant surface glycoprotein of *Trypanosoma brucei*' (Paul T. Englund, Advisor).

Positions:

- 1977-1981 Research Technician, Div. of Immunology, Children's Hospital Medical Center, & Dept. of Immunogenetics, Brigham and Women's Hospital, Boston, MA
- 1981-1986 Graduate Student, Department of Biological Chemistry, Johns Hopkins School of Medicine, Baltimore, Maryland
- 1987-1988 Postdoctoral Fellow, Department of Cell Biology, Yale University School of Medicine, New Haven, Connecticut (with Susan Ferro-Novick)
- 1988-1993 Postdoctoral Fellow, Department of Microbiology and Immunology, Stanford University School of Medicine, Stanford, California (with John Boothroyd)
- 1993-1999 Assistant Professor, Department of Medical Microbiology and Immunology, University of Wisconsin-Madison Medical School, Madison, Wisconsin
- 1999-2004 Associate Professor (tenured), Department of Medical Microbiology and Immunology, University of Wisconsin-Madison Medical School, Madison, WI
- 2004- Professor (tenured), Department of Medical Microbiology and Immunology, University of Wisconsin-Madison Medical School, Madison, Wisconsin
- 2001-2005 Instructor, Biology of Parasitism Course, Marine Biological Laboratory, Woods Hole, Massachusetts (Summers)
- 2003-2005 Director, Biology of Parasitism Course, Marine Biological Laboratory, Woods Hole, Massachusetts (Summers)

Appointments:

Microbiological Doctoral Training Program, UW-Madison, Faculty & Trainer
 Cell and Molecular Parasitology Training Grant, UW-Madison, Trainer
 Cell and Molecular Biology Training Program, UW-Madison, Trainer
 Microbes in Health and Disease Training Grant, UW-Madison, Trainer
 Molecular Biosciences Training Grant, UW-Madison, Trainer
 Biotechnology Training Program, UW-Madison, Trainer
 Center for Research and Training in Parasitic Diseases (CRTPD), Member

Honors: High Honors in Biology, Bates College (1977)
 Phi Beta Kappa, Bates College (1977)
 Paul Ehrlich Graduate Student Award, Johns Hopkins Medical School (1986)
 ARCS Foundation Award, Washington, D.C. Chapter (1986-1987)
 Damon Runyon-Walter Winchell Postdoctoral Fellowship (1987-1989)
 Postdoctoral Fellow, Program in Cancer Biology, Stanford University (1990-1991)
 Burroughs Wellcome New Investigator in Molecular Parasitology (1997-2000)

Current Funding:

- i) Source: NIH RO1 AI056866-06
 Project: 'Lysosomal Biogenesis in *Trypanosoma brucei*'
 Role: PI
 Amount: \$ total direct costs (\$ per year)
 Funding period: 03/3/11 - 02/29/16
- ii) Source: NIH RO1 AI35739-16
 Project: 'Secretion and Protein Targeting in *Trypanosoma brucei*'
 Role: PI
 Amount: \$ total direct costs (\$ per year)
 Funding period: 7/1/10 - 6/30/14
- iii) Source: NIH R21 AI091921-01 (impact/priority score 11; not percentiled)
 Project: 'The Lysosome of *Trypanosoma brucei*: a Proteomic Analysis '
 Role: PI
 Amount: \$ total direct costs (\$ first year)
 Funding period: 12/01/10 - 11/30/12

Completed Funding:

- i) Source: UW Graduate School Research Grant
 Project: 'Sphingolipid Synthesis And Function In African Trypanosomes'
 Role: PI
 Amount: \$ total direct costs
 Funding period: 7/1/10 - 6/30/11 (awarded, declined)

- ii) Source: UW Graduate School Research Grant (#100418)
Project: 'Post-Golgi Trafficking in African Trypanosomes'
Amount: \$ total direct costs
Role: PI
Funding period: 7/1/09 - 6/30/10
- iii) Source: Burroughs Wellcome Foundation, New Investigator Award in Molecular Parasitology
Project: 'Secretory and Endocytic Trafficking in *Trypanosoma brucei*'
Role: PI
Amount: \$ total direct costs
Funding period: 7/1/97 - 6/30/00
- iv) Source: NATO Collaborative Research Grant
Project: 'GPI Anchors and Metalloproteases: comparative studies in trypanosomes and mammalian cells'
Role: co-PI with Dr. Nigel Hooper University of Leeds, UK
Amount: Belgium Francs (~\$ US in August 1998)
Funding period: 4/1/98 -3/31/00

Pending Funding: none

Professional Societies:

American Association for the Advancement of Science
American Society of Microbiology
American Society for Biochemistry and Molecular Biology

Teaching Service:

Medical School: Medical Parasitology (protozoa and helminthes) to UW medical students in the second year Infection and Immunity Course (MMI 702). 1994-present

Graduate School: Co-director of Eukaryotic Microbial Pathogenesis (MMI 773) taught Spring Semester annually (1995-2007) and alternating years (2007-present)

External Teaching: Biology of Parasitism Course (Summers), Marine Biological Laboratory, Woods Hole, MA. Invited Lecturer (1994-2000, 2006, 2007), Instructor (2001-2005), Director (2003-2005)

University Service:

Microbiology Doctoral Training Program Steering Committee (1999-2005)
Cellular and Molecular Biology Training Program Coordinating Committee (2000-2004)
UW Medical School Admissions Committee (2001-2002)
UW Biological Sciences Tenure Committee (2006-2009; Vice-Chair 07-08; Chair 08-09)
UW Biological Sciences Steering Council (2007-2009)

External Service:

NIH Eukaryotic Pathogens Study Section (formerly Tropical Medicine and Parasitology):

Ad Hoc 1998-2000, 2006, 2008; Full membership (2001-2005)

Ad Hoc Grant Reviews: The Swiss National Science Foundation (1997, 2001, 2003, 2006) and The Wellcome Trust (2005, 2008, 2010)

Editorial Boards: Eukaryotic Cell (2006-present)
Molecular and Biochemical Parasitology (2007-present)

Ad Hoc Journal Reviews: EMBO Journal, Infection and Immunity, Journal of Biological Chemistry, Journal of Cell Biology, Journal of Cell Science, Journal of Experimental Medicine, Molecular Biology of the Cell, Molecular Microbiology, PLoS Pathogens, Proceedings National Academy of Sciences (USA), Traffic

(20 average manuscript reviews per year over the last 6 years)

Meetings: Organizer (1 of 3), Molecular Parasitology Meeting, annually at Marine Biological Laboratory, Woods Hole, MA. (2007-2009)

Refereed Publications:

1. Balber, AE, **Bangs, JD**, Jones, SM, and RL Proia (1979) Inactivation or elimination of potentially trypanolytic complement-activating immune complexes by pathogenic trypanosomes. *Infect. Immun.* 24: 617-627. PMC414351
2. Young, MC, **Bangs, JD**, and Y Borel (1981) Immune suppression to nucleosides: differences in NZB and NZW mice. *Eur. J. Immunol.* 11: 424-428.
3. Strom, TB and **JD Bangs** (1982) Human serum-free mixed lymphocyte responses: the stereo-specific effect of insulin and its potentiation by transferrin. *J. Immunol.* 126: 1555-1559.
4. Ntambi, JM, Marini, JC, **Bangs, JD**, Hajduk, SL, Jimenez, HE, Kitchin, PA, Klein, VA, Ryan, KA and PT Englund (1984) Presence of a bent helix in fragments of kinetoplast DNA minicircles from several trypanosomatid species. *Mol. Biochem. Parasitol.* 12: 273-286.
5. **Bangs, JD**, Herald, D, Krakow, JL, Hart, GW and PT Englund (1985) Rapid processing of the carboxyl terminus of a trypanosome variant surface glycoprotein. *Proc. Natl. Acad. Sci. USA* 82: 3207-3211. PMC397744
6. Gaulton, GN, **Bangs, JD**, Maddock, S, Springer, T, Eardley, DD and TB Strom (1985) Characterization of a monoclonal rat anti-mouse interleukin-2 (IL-2) receptor antibody and its use in the biochemical characterization of the murine IL-2 receptor. *Clin. Immunol. Immunopathol.* 36: 18-29.
7. **Bangs, JD**, Andrews, NW, Hart, GW and PT Englund (1986) Post-translational modification and intracellular transport of a trypanosome variant surface glycoprotein. *J. Cell Biol.* 103: 255-263.

8. Krakow, JL, Herald, D, **Bangs, JD**, Hart, GW and PT Englund (1986) Identification of a glycolipid precursor of the *Trypanosoma brucei* variant surface glycoprotein. *J. Biol. Chem.* 261: 12147-12153.
9. Herald, D, Krakow, JL, **Bangs, JD**, Hart, GW and PT Englund (1986) A phospholipase C from *Trypanosoma brucei* which selectively cleaves the glycolipid on the variant surface glycoprotein. *J. Biol. Chem.* 261: 13813-13819.
10. **Bangs, JD**, Doering, TL, Englund, PT and GW Hart (1988) Biosynthesis of a variant surface glycoprotein of *Trypanosoma brucei*: processing of the glycolipid membrane anchor and N-linked oligosaccharides. *J. Biol. Chem.* 263: 17697-17705.
11. Bean, MF, **Bangs, JD**, Doering, TL, Englund, PT, Hart, GW, Fenselau, C and RJ Cotter (1989) Assessing heterogeneity of the high mannose glycopeptide gp432 on the variant surface glycoprotein of trypanosomes: a comparison of plasma desorption mass spectrometry and radiolabeling techniques. *Anal. Chem.* 61: 2686.
12. **Bangs, JD**, Crain, PF, Hashizume, T, McCloskey, JA and JC Boothroyd (1992) Mass Spectrometry of mRNA Cap 4 from trypanosomatids reveals two novel nucleosides. *J. Biol. Chem.* 267: 9805-9815.
13. Elmendorf, HG, **Bangs, JD** and K Haldar (1992) Synthesis and secretion of proteins by released malaria parasites. *Mol. Biochem. Parasitol.* 52: 215-230.
14. **Bangs, JD**, Uyetake, L, Brickman, MJ, Balber, AE and JC Boothroyd (1993) Molecular cloning and cellular localization of a BiP homologue in *Trypanosoma brucei*: divergent ER retention signals in a lower eukaryote. *J. Cell Sci.* 105: 1101-1113.
15. **Bangs, JD**, Brouch, E, Ransom, D and J Roggy (1996) A soluble secretory reporter system in *Trypanosoma brucei*: Studies on endoplasmic reticulum targeting. *J. Biol. Chem.* 271: 18387-18393.
16. **Bangs, JD**, Ransom, D, McDowell, MA and E Brouch (1997) Expression of bloodstream variant surface glycoprotein in procyclic stage *Trypanosoma brucei*: role of GPI anchors in secretion. *EMBO J.* 16: 4285-4294. PMC1170054
17. McDowell, MA, Ransom, D and **JD Bangs** (1998) Glycosyl phosphatidylinositol-dependent secretory transport in *Trypanosoma brucei*. *Biochem. J.* 335: 681-689. PMC1219832
18. Roggy, JL and **JD Bangs** (1999) Molecular cloning and biochemical characterization of a VCP homolog in African trypanosomes. *Mol. Biochem. Parasitol.* 98: 1-15.
19. Kelley, RA, Alexander, D, Cowan, C, Balber, AE and **JD Bangs** (1999) Molecular cloning of p67, a lysosomal membrane glycoprotein from *Trypanosoma brucei* ssp. *Mol. Biochem. Parasitol.* 98: 17-28.
20. Sharma, DK, Vidugiriene, J, **Bangs, JD** and AK Menon (1999) A cell-free assay for glycosylphosphatidyl inositol anchoring in African trypanosomes: evidence for a transamidation reaction mechanism and requirement for a free sulfhydryl group in the transamidase enzyme. *J. Biol. Chem.* 274: 16479-16486.

21. Sharma, DK, Hilley, JD, **Bangs, JD**, Coombs, GH, Mottram, JC, and AK Menon (2000) Soluble GPI8 restores glycosylphosphatidylinositol anchoring in a trypanosome cell-free system depleted of luminal endoplasmic reticulum proteins. *Biochem. J.* 351: 7717-7722. PMC1221412
22. **Bangs, JD**, Ransom, DA, Nimick, M, Christie, G and NM Hooper (2001) Cytocidal effects on *Trypanosoma brucei* and inhibition of *Leishmania major* GP63 by peptidomimetic metalloprotease inhibitors. *Mol. Biochem. Parasitol.* 114: 111-117.
23. Lamb, JL, Fu, V, Wirtz, E and **JD Bangs** (2001) Functional analysis of the trypanosomal AAA protein *TbVCP* with trans-dominant ATP hydrolysis mutants. *J. Biol. Chem.* 276:21512-21520.
24. Alexander, DL, Schwartz, KJ, Balber, AE and **JD Bangs** (2002) Developmentally regulated trafficking of the lysosomal membrane protein p67 in *Trypanosoma brucei*. *J. Cell. Sci.* 115:3253-3263.
25. Triggs, VP and **JD Bangs** (2003) GPI-dependent trafficking in bloodstream stage African trypanosomes. *Euk. Cell* 2:76-83. PMC141176
26. LaCount, DJ, Gruszynski, AE, Grandgenett, PM, **Bangs, JD** and JE Donelson (2003) Expression and function of *TbMSP (GP63)* genes in African trypanosomes. *J. Biol. Chem.* 278:24658-24664.
27. Gruszynski, AE, Demaster, A, Hooper, NM and **JD Bangs** (2003) Surface coat remodeling during differentiation of African trypanosomes. *J. Biol. Chem.* 278:24665-24672.
28. Schwartz, K, Peck, RF, Tazeh, NN and **JD Bangs** (2005) GPI valence regulates secretory progression in bloodstream-form African trypanosomes. *J. Cell Sci.* 118:5499-5511.
29. Gruszynski, AE, van Deursen, FJ, ... (16 additional authors) ... Menon, AK, Matthews, KR and **JD Bangs**. (2006) Regulation of surface coat exchange by differentiating African trypanosomes. *Mol. Biochem. Parasitol.* 147:211-223. PMC2685891
30. Schwartz, KJ and **JD Bangs** (2007) Regulation of protein trafficking by GPI valence in African trypanosomes. *J. Euk. Microbiol.* 54:22-24.
31. Sutterwala, SS, Creswell, CH, Sanyal, S, Menon, AK and **JD Bangs** (2007) De novo sphingolipid synthesis is essential for viability, but not transport of GPI-anchored proteins, in African trypanosomes. *Euk. Cell* 6:454-464. PMC1828920
32. Tazeh, NN and **JD Bangs** (2007) Multiple signals regulate trafficking of the lysosomal membrane protein p67 in African trypanosomes. *Traffic* 8:1007-1017.
33. Moraes, MCS, Jesus, TCL, Hashimoto, NH, Dey, M, Schwartz, KJ, Alves, VS, Avila, CC, **Bangs, JD**, Dever, TE, Schenkman, S, and BA Castilho (2007) Novel membrane-bound eIF2 α kinase in the flagellar pocket of *Trypanosoma brucei*. *Euk. Cell* 6:1979-1991. PMC2168417

34. McCann, AK, Schwartz, KJ, and **JD Bangs** (2008) A determination of the steady state lysosomal pH of bloodstream stage African trypanosomes. *Mol. Biochem. Parasitol.* 159:146-149. PMC2423349
35. Peck, RF, Shiflett, AM, Schwartz, KJ, McCann, A, Hajduk, SL and **JD Bangs** (2008) The LAMP-like protein p67 plays an essential role in the lysosome of African trypanosomes. *Mol. Microbiol.* 68:933-946. PMC Journal - In Process
36. Sutterwala, SS, Hsu, F-F, Sevova, E, Schwartz, KJ, Zhang, K, Key, P, Turk, J, Beverley, SM and **JD Bangs** (2008) Developmentally Regulated Sphingolipid Synthesis in African trypanosomes. *Mol. Microbiol.* 70:281-296. PMC2629665
37. Dagenais, TT, Demick, KP, **Bangs, JD**, Forest, KT, Paulnock, DP, and JM Mansfield (2009) T-cell responses to the trypanosome variant surface glycoprotein are not limited to hypervariable subregions. *Infect. Immun.* 77:141-151. PMC2612290
38. Tazeh, NN, Silverman, JS, Schwartz, KJ, Sevova, ES, Sutterwala, SS and **JD Bangs** (2009) Role of AP1 in developmentally regulated lysosomal trafficking in *Trypanosoma brucei*. *Euk. Cell* 8:1352-1361. PMC2747832
39. Sevova, ES and **JD Bangs** (2009) Streamlined architecture and GPI-dependent trafficking in the early secretory pathway of African trypanosomes. *Mol. Biol. Cell* 20:4739-4750. PMC2777104
40. Sevova, ES, Goren, MA, Schwartz KJ, Hsu, F-F, Turk, J, Fox, BG and **JD Bangs** (2010) Cell-free synthesis and functional characterization of sphingolipid synthases from parasitic trypanosomatid protozoa. *J. Biol. Chem*, 285:20580-20587. PMC2898309

Manuscripts Submitted/In Preparation:

Silverman, JS, Hajduk, SL and **JD Bangs** (2011) Late endosomal Rab7 regulates lysosomal trafficking of endocytic but not biosynthetic cargo in *Trypanosoma brucei*. *Mol. Microbiol.* minor revisions.

Goren, MA, Fox, BG and **JD Bangs** (2011) Amino acid determinants of substrate selectivity in the *Trypanosoma brucei* sphingolipid synthase family. submitted

Bangs, JD (2011) Replication of the ERES:Golgi junction in bloodstream form African trypanosomes. in preparation (not a review!)

Schwartz, KJ and **JD Bangs** (2011) Endogenous protein disulfide isomerase as a reporter for endoplasmic reticulum retrieval in *Trypanosoma brucei*. in preparation

Bangs, JD (2012) Current Opinions in Microbiology, invited review, topic to be determined

Invited Chapters/Publications:

Bangs, JD (1997) TbBiP: *Trypanosoma brucei* BiP Homologue. In Gething, M.-J. (ed), *Guidebook to Molecular Chaperones and Protein Folding Factors*. Oxford: Sambrook & Tooze at Oxford University Press.

Bangs, JD (1997) BS2: *Trypanosoma brucei* Protein Disulfide Isomerase Homologue. In Gething, M.-J. (ed), *Guidebook to Molecular Chaperones and Protein Folding Factors*. Oxford: Sambrook & Tooze at Oxford University Press.

Bangs, JD (1998) Surface Coats and Secretory Trafficking in African Trypanosomes *Curr. Opin. Microbiol.* 1:448-454.

Engstler, M, **Bangs, JD** and MC Field (2006) Intracellular transport systems in trypanosomes: function, evolution and virulence. in *Trypanosomes - After the Genome*. Barry, JD, Mottram, J, McCulloch, R and A Acosta-Serrano (eds). Horizon Scientific Press, Wymondham, UK. Chapter 9, pages 281-317.

Zhang, K, **Bangs, JD** and SM Beverley (2010) Sphingolipids in parasitic protozoa, in *Sphingolipids As Signaling And Regulatory Molecules*, C. Chalfant and M. del Poeta (eds), Landes Biosciences (Austin TX). Chapter 17, pages 238-248. (Co-published with following citation).

Zhang, K, **Bangs, JD** and SM Beverley (2010) Sphingolipids in parasitic protozoa. *Adv. Exp. Med. Biol.* 688:238-248. PMC2951629 (Co-published with previous citation).

Invited Seminars (since 1993):

National Institutes of Health, Laboratory of Parasitic Diseases (28 March, 1995)

Department of Biochemistry, University of Kentucky (7 May, 1996)

Department of Microbiology, Medical College of Wisconsin, (1 April, 1997)

Departments of Microbiology and Biochemistry, University of Iowa (3 March, 1998)

Department of Biochemistry and Molecular Genetics, Univ. of Alabama-Birm. (11 May, 1998)

Department of Pharmacology, Cornell University Medical College, New York (28 May, 1998)

Merck Research Laboratories, Rahway, New Jersey (29 May, 1998)

University of Leeds, Leeds, England, UK (22 September, 1998)

University of Glasgow, Glasgow, Scotland, UK (29 September, 1998)

Imperial College, London, England, UK (2 October, 1998)

Department of Biological Chemistry, Johns Hopkins Medical School (12 April, 1999)

National Institutes of Health, Laboratory of Parasitic Diseases (13 April, 1999)

School Biological Sciences, University of Manchester, England (28 September, 2000)

Department of Biochemistry, University of Leeds, England (2 October, 2000)

Department of Biochemistry, University of Dundee, Scotland (4 October, 2000)

Department of Biology, Georgetown University (17 November, 2000)

Parasitology Graduate Group, University of Pennsylvania (15 October, 2002)

Department of Pathology, University of Wisconsin-Madison (30 October, 2002)

Department of Biochemistry, University of Kentucky (22 April, 2003)

Department of Biomolecular Chemistry, University of Wisconsin-Madison (31 October, 2003)

Department of Microbiology, SUNY-Buffalo (21 November, 2003)

Department of Biological Chemistry, Johns Hopkins School of Medicine (16 March, 2004)

Department of Microbiology, Immunology and Molecular Genetics, UCLA (12 Nov, 2004)

Bay Area Parasitology Group, Stanford University (16 November, 2004)

National Institutes of Health, Laboratory of Parasitic Diseases (30 November, 2004)
Department of Pharmacology, University of Texas (3 March, 2005)
Department of Cellular Biology, University of Georgia (22 March, 2005)
Department of Biochemistry, Oregon State Health University (15 November, 2005)
Bay Paul Center, Marine Biological Laboratory, Woods Hole (12 May, 2006)
Department of Medical Parasitology, New York University (8 September, 2006)
Institute of Immunology and Infection Research, University of Edinburgh (15 May, 2007)
Wellcome Centre for Molecular Parasitology, University of Glasgow (17 May, 2007)
Department of Biology, University of York (21 May, 2007)
Department of Immunology & Infectious Diseases, Harvard School of Public Health (12 March, 2008)
Department of Biochemistry & Molecular Biology, University of Georgia (2 May, 2008)
Department of Pathology, Johns Hopkins University School of Medicine (2 December, 2009)
Department of Immunology & Infectious Diseases, Harvard School of Public Health (31 March, 2010)
Department of Infectious Diseases, College of Veterinary Medicine, University of Georgia (11 Oct, 2010)

Invited Conference/Symposium Presentations (since 1993):

Meharry Medical College, Nashville, TN, Thirteenth Symposium: "Recent Advances in the Immunology, Biochemistry, and Molecular Biology of Tropical Diseases" (April 1, 1996)
3rd Annual Midwest Microbial Pathogenesis Conference, Madison WI (October, 1996)
FASEB Summer Conference: Lipid Modification of Proteins, Snowmass, Colorado, (August 8-13, 1998)
Raper Symposium, Department of Bacteriology, UW-Madison, (August 28, 1998)
28th Steenbock Symposium: Intracellular protein and lipid traffic. UW-Madison, (August 12-14, 2000)
XI International Congress of Protozoology, Salzburg, Austria (July, 2001)
Swiss Trypanosomatid Meeting, Leysin, Switzerland (January 31 - February 02, 2002)
Annual Meeting on Basic Research in Chagas Disease, Caxambu, Brazil (4-7 Nov, 2002)
German Trypanosomatid Meeting, Ringberg, Germany (11-14 May, 2003)
7th Annual Conference on New and Re-emerging Infectious Diseases, University of Illinois at Urbana-Champaign (April 16, 2004)
1st Chicago Area Mycology & Parasitology Minisymposium, Northwestern University (May 14, 2004)
VII Argentine Congress of Protozoology & Parasitic Diseases, Mendoza, Argentina (16-19 October, 2005)
International Society of Protistologists, Lisbon, Portugal (20-24, June 2006)
Raper Symposium, Department of Bacteriology, UW-Madison, (August 30, 2007)
XXXV Annual Meeting on Basic Research in Chagas Disease/XXIV Annual Meeting Brazilian Society of Protozoology, Aquas de Lindoia, Brazil (27-29 Oct, 2008)
Seattle Parasitology Conference, Seattle Biomedical Research Institute, Seattle, WA

Keynote Speaker (14-15 May, 2009).
Control of Tropical Infectious Diseases Symposium, Heidelberg Collaborative Research Centre, Heidelberg, Germany (5-7 May, 2010)
Gordon Research Conference on the Biology of Host-Parasite Interactions, Salve Regina College, Newport, RI (26 June-2 July, 2010).
Sabatini-Hajduk Trypanosome Research Retreat, University of Georgia Marine Station, Sapelo Island, Georgia (8-10 October, 2010)
Lane-Englund-Mildvan Symposium, Department of Biological Chemistry, Johns Hopkins School of Medicine, Baltimore, MD (15 October, 2010)
Gordon Research Conference "Tropical Infectious Diseases: from Bench to Field", Galveston TX (13-18 March, 2011). Cancelled for medical reasons.

Upcoming Invited Presentations:

Kansas University School of Medicine, Department of Microbiology, Molecular Genetics & Immunology, Kansas City MO (22-23 August, 2011)
Department of Molecular and Cell Biology, Boston University School of Dentistry, Boston (13 October, 2011)
Department of Molecular Microbiology, Washington University, St. Louis. Departmental Seminar & Tropical Medicine Parasitology Group Seminar (15-16 November, 2011).
Microbial Lipid Conference, Bern Switzerland (16-19 May, 2012)

Submitted Meeting Abstracts (oral & poster presentations since 1993): Not listed

Students Trained:

Pre-doctoral:

Janet Lamb (*née* Roggy) (1994-1998, Ph.D.), currently Adj. Assist. Professor, Genesee College, NY
Chris Cowen (1995-1997, awarded M.S.), currently high school teacher, Madison WI
Andrew DeMasters (1998-2000, awarded M.S.), currently Patent Attorney, Kinney & Lange, Minneapolis, MN
Veronica Triggs (1998-2004, Ph.D.), currently with Epic Systems, Madison WI
Gruszynski, Amy (1999-2005, Ph.D.), uncertain
Ngii Tazeh (2002-2007, Ph.D.), Medical Student, U. Iowa Medical School
Michael Chastkofsky (2004-2006, awarded M.S.), uncertain
Elitza Theel (*née* Sevova) (2006-2010 Ph.D.), currently in Clinical Microbiology Fellowship, Mayo Clinic, Rochester, MN
Jason Silverman (2008-present), dissertator
Michael Goren, (2010-2011), dissertator, currently Post-doctoral fellow at Cornell Weill

Medical College, New York, NY

Tiffany Lowe (2011-present), pre-dissertator

Post-doctoral:

Mary Ann McDowell, Ph.D. (1995-1997), currently Assistant Professor, Notre Dame University, IN

David Alexander, Ph.D. (1998-1999), currently Senior Scientist/Lecturer, Microbiology & Environmental Toxicology, UC Santa Cruz, CA

Ron Peck, Ph.D. (2002-2006), currently Assistant Professor, Lawrence University, Appleton, WI

Shaheen Sutterwala, Ph.D. (2004-2008) Science Outreach Specialist, UW-Madison Institute for Biology Education, Madison WI

Ngii Tazeh, Ph.D. (2007-2008), currently Medical Student, U. Iowa Medical School

Julia Gilden, Ph.D. (2011-___), arriving from UCSF in August 2011.

