

Curriculum Vitae
Benjamin L. Stottrup, Ph.D.
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 Minneapolis, MN 55404
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EMPLOYMENT

Augsburg College Assistant Professor of Physics	Minneapolis, MN Sept 2005 – Present
University of Minnesota Research Specialist	Minneapolis, MN Spring 2006 – Present
Seattle Pacific University Adjunct Professor of Physics	Seattle, WA Fall 2004
University of Washington Research Assistant (condensed matter)	Seattle, WA Sept 2000 – July 2005
Los Alamos National Laboratory Nuclear Physics Internship	Los Alamos, NM Summer 2000
University of Washington Teaching Assistant (physics department)	Seattle, WA Oct 1999 – June 2000

EDUCATION

University of Washington Ph.D. in Physics Thesis Advisor: Dr. Sarah Keller <i>Comparison of miscibility phase transitions in lipid monolayers and bilayers</i>	Seattle, WA August 2005
University of Minnesota, Morris B.A. with High Distinction Major Physics, Minor Math	Morris, MN June 1999

HONORS, AWARDS, AND SUPPORT

SPS Undergraduate Research Award, Faculty Advisor	\$1,815	2009
Cottrell College Science Award – Research Corporation	\$30,019	2007 – 2009
Eppley Foundation for Research Postdoctoral Fellowship	\$22,600	2007
University of Minnesota Pathfinder Award	\$5,000	2007
Faculty Mentor URGO Summer Research Students (4)		2006 – 2007
Ocean Optics Education Cost Sharing Grant	\$3,900	2007
Augsburg Summer Scholarship Fellowship	\$2,000	2006
American Society for Cell Biology Travel Award		2004
NSF IGERT Nanotech Fellowship, University of Washington		2003 – 2004
ARCS Fellowship, University of Washington	\$15,000	2000 – 2002
Abbot Award in Physics, University of Minnesota, Morris		1999
Scholar of the College, University of Minnesota, Morris		1999
Roberg Scholarship		1995 – 1999
Morris Academic Partnership, University of Minnesota, Morris		1996 – 1997
Alumni Scholarship, University of Minnesota, Morris		1996 – 1997
President’s Scholarship, University of Minnesota, Morris		1995 – 1996

PEER REVIEWED PUBLICATIONS (* undergraduate student, • while at Augsburg)

- 9. R. Narayanan, B.L. Stottrup, P. Wang. *Surface Packing Characterization of Langmuir Monolayer Anchored Enzyme* (accepted review in Langmuir)
- 8. M.P. Goertz, B.L. Stottrup, J.E. Houston, X.-Y. Zhu. *Nanomechanical Contrasts of Gel versus Fluid Phase Supported Lipid Bilayers* 2009 J. Phys Chem B. 113:9335–9339.
- 7. Y. Deng, Y. Wang, B. Holtz, J. Li, N. Traaseth, G. Veglia, B.L. Stottrup, R. Elde, D. Pei, A. Guo, X.-Y. Zhu. *Fluidic and Air-Stable Supported Lipid Bilayer and Cell-Mimicking Microarrays* 2008 J. Am. Chem. Soc. 130: 6267-6271.
- 6. M.P. Goertz, B.L. Stottrup, J.E. Houston, X.-Y. Zhu. *Density Dependent Friction in Lipid Monolayers*. 2007 J. Phys. Chem. A 111(49) 12423-12426.
- 5. B.L. Stottrup, A.M. Heussler*, T.A. Bibelnieks. *Determination of Line Tension in Lipid Monolayers by Fourier Analysis of Capillary Waves*. 2007 J. Phys. Chem. B. 111: 11091-11094.
- 4. B.L. Stottrup S.L. Keller. *Phase Behavior of Lipid Monolayers Containing DPPC and Cholesterol Analogues*. 2006 Biophys. J. 90: 3176-3183.
- 3. M.E. Beattie, S.L. Veatch, B.L. Stottrup, S.L. Keller. *Sterol Structure Determines Miscibility vs. Melting Transitions in Lipid Vesicles*. 2005 Biophys. J. 89: 1760-1768.
- 2. B.L. Stottrup, D.S. Stevens*, S.L. Keller. *Miscibility of Ternary Mixtures of Phospholipids and Cholesterol in Monolayers, and Application to Bilayer Systems*. 2005 Biophys. J. 88: 269-276.
- 1. B.L. Stottrup, S.L. Veatch, S.L. Keller. *Nonequilibrium Behavior in Supported Lipid Membranes Containing Cholesterol*. 2004 Biophys. J. 86: 2942-2950.

CONFERENCE PRESENTATIONS (• while at Augsburg, * undergraduate, + undergraduate contribution)

- 14. C.M. Staloch*, B.R. Hoffmann*, B.L. Stottrup. *The Influence of Sterol Composition on Transbilayer Diffusion Rates*. Biophysical Society Meeting, Boston, MA March, 2009
- 13. A.H. Nguyen*, E. Tüzel, B.L. Stottrup. *Lipid Monolayer Experiments and Simulations to Extract Line Tensions*. Biophysical Society Meeting, Boston, MA March, 2009
- 12. B. L. Stottrup, M. Halter, K. J. Langenbach, A. Tona, A. L. Plant, J. T. Elliott. *Tenascin-C is upregulated at the end of the cell cycle in proliferating NIH 3T3 fibroblasts*. Chemotaxis and Cell Motility Workshop, Institute of Mathematics and its Applications, University of Minnesota May, 2008
- 11. B.L. Stottrup, A.M. Heussler*, A.H. Nguyen*, T.A. Bibelnieks, E. Tüzel, D.M. Kroll. *Line Tension Measurements in Lipid Monolayers: Composition and Structure*. Biophysical Society Meeting, Long Beach, CA February 2008
- 10. M. Halter, B. L. Stottrup, K. J. Langenbach, A. Tona, A. L. Plant, J. T. Elliott. *Tenascin-C is upregulated at the end of the cell cycle in proliferating NIH 3T3 fibroblasts* American Society for Cell Biology, Washington D.C. December 2007
- 9. B.L. Stottrup, B.J. Sonquist*. *Phase Separation in Lipid Membranes Containing Hydroxycholesterols*. BIOworkshop07, Fine Institute of Theoretical Physics, University of Minnesota May 2007
- 8. B.L. Stottrup, B.J. Sonquist*. *The Miscibility Phase Behavior of Lipid Monolayers Containing 25-Hydroxycholesterol*. Biophysical Society Meeting, Baltimore, MD March 2007
- 7. B.L. Stottrup, S.L. Keller. *Phase Behavior of Lipid Monolayers Containing DPPC and Cholesterol Analogs*. Biophysical Society Meeting March 2006
- 6. B.L. Stottrup, S.L. Keller. *Monolayer Lipid Miscibility Phase Behavior, with Comparisons to Bilayer Systems*. Biophysical Society Meeting February 2005
- 5. B.L. Stottrup, S.L. Keller. *Comparison of Miscibility Phase Behavior in Lipid Monolayers and Bilayers*. American Society for Cell Biology December 2004
- 4. B.L. Stottrup, S.L. Keller. *Lateral Organization in Supported Lipid Monolayers and Bilayers*. Biophysical Society Meeting February 2004

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| 3. <u>B.L. Stottrup</u> , S.L. Keller. <i>Lipid domains in vesicles vs. supported membranes</i> . American Society for Cell Biology | December 2003 |
| 2. S.L. Keller, S.L. Veatch, <u>B.L. Stottrup</u> . <i>Liquid Domains in Bilayers and Monolayers of Lipid Mixtures</i> . American Physical Society Meeting | March 2003 |
| 1. <u>B.L. Stottrup</u> , J.G. Dash, O.E. Vilches, J.S. Wettlaufer. <i>A Test of Thermodynamic Bouyancy of Silica Beads in Solid Argon</i> . American Physical Society Meeting, Indianapolis, IN | March 2002 |

INVITED SEMINARS AND COLLOQUIUM PRESENTATIONS (• while at Augsburg)

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| • 13. Invited Seminar, North Dakota State University, Fargo, ND | March 12, 2009 |
| • 12. Invited Seminar, Bethel University, St. Paul MN | January 15, 2008 |
| • 11. Invited Seminar, University of Minnesota, Institute for Mathematics and its Applications, Minneapolis, MN | January 8, 2008 |
| • 10. Invited Seminar, Hamline University, St. Paul, MN | October 24, 2007 |
| • 9. Invited Seminar, University of Minnesota, Minneapolis, MN | December 8, 2006 |
| • 8. Invited Seminar, Minnesota State University, Moorhead, MN | November 9, 2006 |
| • 7. Invited Seminar, North Dakota State University, Fargo, ND | November 9, 2006 |
| • 6. Invited Seminar, Hormel Institute, Austin, MN | August 16, 2005 |
| 5. Invited Seminar, Augsburg College, Minneapolis, MN | February 22, 2005 |
| 4. Invited Seminar, Carleton College, Northfield, MN | January 14, 2005 |
| 3. Invited Seminar, DePauw University, Greencastle, IN | December 10, 2004 |
| 2. Invited Seminar, St. Olaf College, Northfield, MN | December 2, 2004 |
| 1. Invited Seminar, Seattle Central Community College, Seattle, WA | March 19, 2004 |

COURSES TAUGHT (• while at Augsburg)

- Augsburg 101: Augsburg Seminar
- Physics 101: Introduction to Astronomy
- Physics 116: Introduction to Physics
- Physics 116L: Introduction to Physics Laboratory
- Physics 245: Modern Physics
- Physics 245L: Modern Physics Laboratory
- Physics 261: Electronics
- Physics 261L: Electronics Laboratory
- Physics 395: Comprehensive Laboratory I
- Physics 396: Comprehensive Laboratory II
- Physics 1142: Introduction to Earth System Science (Seattle Pacific University)

UNDERGRADUATE MENTORSHIP (• while at Augsburg)

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|-------------------------------------|--|
| • Nick Hudson, 2009 – Present | Augsburg 2012, Physics and Math Major |
| • Nick Ward, 2009 – Present | Augsburg 2011, Physics Major |
| • Tom Lopez, 2008 – Present | Augsburg 2011, Physics Major |
| • Nathaniel Johnson, 2008 – Present | Augsburg 2011, Physics Major |
| • Sergio Garcia, 2008 | Augsburg 2011, Physics Major |
| • Andrew Nguyen, 2007 – Present | Augsburg 2010, Physics and Chemistry Major |
| • Ben Hoffman, 2007 – 2009 | Augsburg 2010, Physics Major |
| • Cait Kortuem, 2007 | Augsburg 2010, Physics Major |
| • Christine Staloch, 2007 – 2009 | Augsburg 2009, Physics and Chemistry Major |
| • Alison Heussler, 2006 – 2008 | Augsburg 2009, Physics Major |
| • Dan Forseth, 2006 – 2007 | Augsburg 2008, Biology Major, Physical Sciences Teacher
Private High School |
| • Kyle Sontag, 2006 – 2007 | Augsburg 2007, University of Georgia, Chemistry (PhD
program) |
| • Ben Sonquist, 2006 – 2007 | Augsburg 2006, STARBASE Minnesota |
| • Erik Lundberg, 2005 – 2006 | Augsburg 2006, Cornell University, Elec. Eng (PhD program) |
| • Mark Stevens, 2004 – 2005 | UW 2008, Biochemistry |
| • Dan Stevens, 2003 – 2004 | UW 2004, University of California Santa Barbara (M.D.) |

Matt Loo, 2003 – 2004

program)
UW 2004, Mechanical Engineer, Hawaii

STUDENT PRESENTATIONS (* indicates undergraduate student)	
• 39. N.P. Johnson D.R. Hanson, B.L. Stottrup, <i>Gibbs Monolayer Equilibrium and Periodic Marangoni Instability</i> , Minnesota Area Association of Physics Teachers Meeting, St Thomas University, St. Paul, MN FIRST PRIZE POSTER COMPETITION	April 25, 2009
• 38. T. Lopez, B.L. Stottrup, <i>Construction of a Magnetic Needle Viscometer for Measuring Surface Viscosity</i> Minnesota Area Association of Physics Teachers Meeting, St Thomas University, St. Paul	April 25, 2009
• 37. S. Romero-Garcia, B.L. Stottrup, <i>Controlling Monolayer Domain Morphology</i> Minnesota Area Association of Physics Teachers Meeting, St Thomas University, St. Paul	April 25, 2009
• 36. A.H. Nguyen*, E. Tuzel, B.L. Stottrup, <i>Computational Analysis of the Lipid Monolayer</i> , Minnesota Area Association of Physics Teachers Meeting, St Thomas University, St. Paul	April 25, 2009
• 35. C.S Staloch, B.R. Hoffmann <i>The Influence of Sterol Structure on Transbilayer Diffusion Rates</i> Minnesota Area Association of Physics Teachers Meeting, University of St. Thomas, St. Paul	April 25, 2009
34. N.P. Johnson, D.R. Hanson, B.L. Stottrup <i>Gibbs Monolayer Equilibrium and Periodic Marangoni Instability</i> . Zyzzogeton, Augsburg College, Minneapolis, MN	April 15, 2009
33. T. Lopez, B.L. Stottrup <i>Construction of a Magnetic Needle Viscometer for Measuring Surface Viscosity</i> . Zyzzogeton, Augsburg College, Minneapolis, MN	April 15, 2009
32. S. Romero-Garcia, B.L. Stottrup <i>Kinetics of phase transitions of Lipid Monolayers</i> .	April 15, 2009
31. A.H. Nguyen, E.Tuzel, <i>Lipid Monolayer Experiments and Simulations to Extract Line Tension</i> . Zyzzogeton, Augsburg College, Minneapolis, MN	April 15, 2009
30. C.S Staloch, B.R. Hoffmann, B.L. Stottrup <i>The Influence of Sterol composition on Transbilayer Diffusion</i> . Zyzzogeton, Augsburg College, Minneapolis, MN	April 15, 2009
• 29. B.R. Hoffmann*, C.S. Staloch*, <u>B.L. Stottrup</u> . <i>Transbilayer diffusion rates of phospholipid analogs in the presence of sterols</i> . NDSU Undergraduate Research Symposium, Fargo ND	September 11, 2008
• 28. N. Johnson*, D.R. Hanson, <u>B.L. Stottrup</u> . <i>Surface Tension and Vapor Pressure of Semi Volatile Surfactants</i> NDSU Undergraduate Research Symposium, Fargo ND	September 11, 2008
• 27. T. Lopez*, <u>B.L. Stottrup</u> . <i>Construction of a Magnetic Needle Viscometer</i>	September 11, 2008
• 26. A.H. Nguyen*, E.Tuzel, B.L. Stottrup. <i>Extraction of Line Tension, 2D Auto Correlation, and Simulation of the Lipid Monolayer</i> NDSU Undergraduate Research Symposium, Fargo ND	September 11, 2008
• 25. A.H. Nguyen*, <u>B.L. Stottrup</u> , <i>Line Tension within Lipid Monolayers</i> . Minnesota Area Association of Physics Teachers Meeting, Macalester College, St. Paul, MN FIRST PRIZE POSTER COMPETITION	April 26, 2008
• 24. B.R. Hoffmann*, <u>B.L. Stottrup</u> , <i>Using GFP to Find Protein Levels and</i> Minnesota Area Association of Physics Teachers Meeting, Macalester College, St. Paul, MN	April 26, 2008
• 23. C.M.Staloch*, <u>B.L. Stottrup</u> , <i>Determination of Transbilayer Diffusion Rates Using a Sodium Dithionite Assay</i> . Zyzzogeton, Augsburg College, Minneapolis, MN	April 17, 2008
• 22. A.H. Nguyen*, <u>B.L. Stottrup</u> , <i>Domain Tracking and Image Processing in Lipid Monolayers</i> . Zyzzogeton, Augsburg College, Minneapolis, MN	April 17, 2008
• 21. B.R. Hoffmann*, <u>B.L. Stottrup</u> , <i>Using GFP to Find Protein Levels and</i>	April 17, 2008

	<i>Production Rates Over Cell Lifetimes.</i> Zyzzogeton, Augsburg College, Minneapolis, MN	
•	20. C. Kortuem*, <u>B.L. Stottrup</u> , <i>Miscibility Phase Transitions in Lipid Monolayers: Varying Subphase Ionic Strength.</i> Zyzzogeton, Augsburg College, Minneapolis, MN	April 17, 2008
•	19. C.M.Staloch*, <u>B.L. Stottrup</u> , <i>Determination of Transbilayer Diffusion Rates Using a Sodium Dithionite Assay.</i> North Dakota State University Physics Undergraduate Research Symposium, Fargo, ND	August 24, 2007
•	18. A.H. Nguyen*, <u>B.L. Stottrup</u> , <i>Domain Tracking and Image Processing in Lipid Monolayers.</i> North Dakota State University Physics Undergraduate Research Symposium, Fargo, ND	August 24, 2007
•	17. B.R. Hoffmann*, <u>B.L. Stottrup</u> , <i>Using GFP to Find Protein Levels and Production Rates Over Cell Lifetimes.</i> North Dakota State University Physics Undergraduate Research Symposium, Fargo, ND	August 24, 2007
•	16. C. Kortuem*, <u>B.L. Stottrup</u> , <i>Miscibility Phase Transitions in Lipid Monolayers: Varying Subphase Ionic Strength.</i> North Dakota State University Physics Undergraduate Research Symposium, Fargo, ND	August 24, 2007
•	15. Daniel Forseth*, <u>B.L. Stottrup</u> . <i>Extraction of Sterols from Lipid Monolayers Using β-Cyclodextrin</i> Minnesota Area Association of Physics Teachers Meeting, Bethany Lutheran College, Mankato, MN	April 28, 2007
•	14. S. Kyle Sontag*, <u>B.L. Stottrup</u> . <i>Computational and experimental tools for studying the behavior of lipid bilayers</i> Minnesota Area Association of Physics Teachers Meeting, Bethany Lutheran College, Mankato, MN	April 28, 2007
•	13. A.M. Heussler*, <u>B.L. Stottrup</u> . <i>Applications of simple image processing routines to biophysical systems</i> Minnesota Area Association of Physics Teachers Meeting, Bethany Lutheran College, Mankato, MN FIRST PRIZE POSTER COMPETITION	April 28, 2007
•	12. B.J. Sonquist*, <u>B.L. Stottrup</u> . <i>The Miscibility Phase Behavior of Lipid Monolayers Containing 25-Hydroxycholesterol</i> Minnesota Area Association of Physics Teachers Meeting, Bethany Lutheran College, Mankato, MN	April 28, 2007
•	11. A.M. Heussler*, <u>B.L. Stottrup</u> . <i>Analysis of Domain Boundary Fluctuations in Two Dimensional Biophysical Systems</i> Minnesota Academy of Sciences, Hamline University, St. Paul, MN	April 21, 2007
•	10. B.J. Sonquist*, <u>B.L. Stottrup</u> . <i>The Miscibility Phase Behavior of Lipid Monolayers Containing 25-Hydroxycholesterol</i> Minnesota Academy of Sciences, Hamline University, St. Paul, MN	April 21, 2007
•	9. A.M. Huessler*, <u>B.L. Stottrup</u> . <i>Analysis of Domain Boundary Fluctuations in Two Dimensional Biophysical Systems</i> Zyzzogeton, Augsburg College, Minneapolis, MN	April 18, 2007
•	8. S.K. Sontag*, <u>B.L. Stottrup</u> . <i>Software routines and experimental tools for studying the behavior of lipid bilayers</i> Zyzzogeton, Augsburg College, Minneapolis, MN	April 18, 2007
•	7. D. Forseth*, <u>B.L. Stottrup</u> . <i>Extraction of Sterols From a Lipid Monolayer Using β-Cyclodextrin</i> Zyzzogeton, Augsburg College, Minneapolis, MN	April 18, 2007
•	6. A.M. Heussler*, T.A. Bibelnieks, <u>B.L. Stottrup</u> . <i>Imaging Two Dimensional Domain Boundary Fluctuations in Well Characterized and Novel Systems.</i> 17 th Annual Symposium of Undergraduate Research in Science, Engineering, and Mathematics, Argonne National Labs, IL	November 3, 2006
•	5. B.J. Sonquist*, <u>B.L. Stottrup</u> . <i>The Miscibility Phase Behavior of Lipid Monolayers Containing 25-Hydroxycholesterol.</i> 17 th Annual Symposium of Undergraduate Research in Science, Engineering, and Mathematics, Argonne National Labs, IL	November 3, 2006
•	4. E.T. Lundberg* and <u>B.L. Stottrup</u> . <i>Refurbishing a Home-Built Langmuir Trough Using LabVIEW</i> , Minnesota Area Association of Physics Teachers, Hamline University, St. Paul, MN	April 29, 2006

•	3. E.T. Lundberg*, <u>B.L. Stottrup</u> . <i>An Introduction to Biophysics Research at Augsburg College</i> Zyzzogeton, Augsburg College, Minneapolis, MN	April 21, 2006
	2. M.M. Stevens*, <u>B.L. Stottrup</u> , S.L. Keller <i>Fluorescence Microscopy of DPPC:DDphPC:Dchol Lipid Monolayers on a Calibrated Langmuir Trough</i> Eighth Annual Undergraduate Research Symposium, University of Washington, Seattle, WA	May 13, 2005
	1. M.K. Loo*, <u>B.L. Stottrup</u> , S.L. Keller <i>Design and Construction of a Langmuir Trough</i> Seventh Annual Undergraduate Research Symposium, University of Washington, Seattle, WA	May 12, 2004

PROFESSIONAL DEVELOPMENT

EDUCATION

Minnesota Area Association of Physics Teachers Meeting, St. Cloud State University, St. Cloud, MN	October 27, 2007
Presenting Data and Information: Workshop by Edward Tufte	August 28, 2007
Minnesota Area Association of Physics Teachers Meeting, Mankato, MN	April 28, 2007
Site Visit: Physics Education Research Group, University of Washington, Seattle, WA	January 12, 2007
American Association of Physics Teachers Meeting, Seattle, WA	January 6 – 10, 2007
Workshop for New Physics and Astronomy Faculty, American Center for Physics, College Park, MD	October 26 – 29, 2006
Minnesota Area Association of Physics Teachers Meeting, University of Minnesota, Minneapolis, MN	October 21, 2006
Minnesota Area Association of Physics Teachers Meeting, Hamline University, St. Paul, MN	April 29, 2005

SCHOLARSHIP

Member of Professor Xiaoyang Zhu's Research Group, University of Minnesota (~5 presentations given), Minneapolis, MN	Fall 2005 – Spring 2009
Frontiers in Proteomics and Nanomedicine, University of Minnesota, Minneapolis, MN	November 12 – 14, 2007

PROFESSIONAL DEVELOPMENT: SCHOLARSHIP continued

Site Visit: Dr. Houston's Surface Mechanics Research Lab, Sandia National Labs, Albuquerque, NM	August 16 – 17, 2007
Write Winning Grants, University of Minnesota, Minneapolis, MN	April 4, 2007
Introductory Atomic Force Microscopy (AFM) & AFM in Liquid Media, University of Minnesota, Minneapolis, MN	Spring 2007
Biological and Biomolecular Coatings Minisymposium, 3M Company, Maplewood, MN	October 3, 2006
International Symposium on Biotechnology Trends, University of Minnesota, Minneapolis, MN	October 20, 2005

PROFESSIONAL DEVELOPMENT (WITHIN AUGSBURG)

First Year and Developmental Education Workshop	May 15 – 16, 2007
CTL New Faculty Retreat, Mt. Olivet Retreat Center, MN	May 9 – 10, 2007
CTL Workshop on Diversity and Global Learning	May 8, 2007
CTL Portfolio Workshop	November 30, 2005
Gen Ed Critical Thinking Workshop	October 4, 2005
CTL Book Club "What the Best College Teachers Do"	Fall 2005

SERVICE ACTIVITIES (OUTSIDE AUGSBURG)

PROPOSAL REVEIWS

Research Corporation

JOURNAL REVIEWS

Biophysical Journal, Langmuir, NanoLetters

PROFESSIONAL MEMBERSHIP

Biophysical Society, American Physical Society, American Association of Physics Teachers, Minnesota Area Association of Physics Teachers, Advanced Laboratory Physics Association.

PRESENTATIONS

Seminar, Career Development Organization, University of Washington
Physics Department, Seattle, WA May 17, 2006
Panelist, Preparing Future Faculty Program, University of Minnesota,
Minneapolis, MN October 31, 2005

SERVICE ACTIVITIES (WITHIN AUGSBURG)

DEPARTMENTAL SERVICE

Produce Augsburg Biophysics Newsletter (The Micelle, 5 issues) Spring 2007 – Present
Physics Search Committee, 3 positions (Space and Biophysics) Fall 2007 – Present
Launched and Maintain Physics 599 Moodle site for Physics Department Winter 2006 – Present
AugSem Faculty Fall 2005 – Present
Faculty Advisor ~30 students (physics and pre-engineering majors) Fall 2005 – Present
Faculty Research Roundtable, *From the Critical Phase Behavior of Immiscible Liquids to YouTube*, Zyzzogeton, Augsburg, Minneapolis, MN April 19, 2007
Representative, Minnesota Space Grant Consortium Spring Meeting March 31, 2007
Advisor Independent Projects Physics 122 (approximately 6 projects) Spring 2006 – 2008
Launched and Maintain Website to promote Augsburg Biophysics January 2006
Faculty Presenter, Science Discovery Day, Augsburg College November 7, 2005

COLLEGE AND COMMUNITY SERVICE

Assistant Dean Vice President Search Spring 2009
McNair Advisory Committee Fall 2008 – Present
Expanded Partnership Workgroup, Center for Science, Business and Religion Spring 2008
Academic Vision Workgroup, Center for Science, Business and Religion Spring 2008
Enrollment Planning Commission 2007 – 2008
Admissions and Enrollment Committee Fall 2007 – Fall 2009
Representative, Nanotechnology Partnership with St. Paul College Fall 2006 – Present
Member, Science Division Liaison For Computing Search Committee Fall 2007