

CURRICULUM VITAE

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EDUCATION

Postdoctoral Fellow, The Karolinska Institute
Postdoctoral advisor: Dr. Peter Swoboda

Ph.D. 2008 University of Minnesota, Plant Biological Sciences
Thesis title: "A Biochemical and Genetic Approach to Understand the Function of UNI2, a Gene Encoding a Novel Basal Body Protein in *Chlamydomonas reinhardtii*?"
Thesis advisor: Professor Carolyn D. Silflow

M.A. 2003 The University of Texas at Austin, Biology-Botany
Thesis title: "Cryopreservation of *Chlamydomonas reinhardtii*: A Cause of Low Viability at High Cell Density"
Thesis advisor: Professor Jerry J. Brand

B.S. 2001 University of North Texas, USA, Geography and Biology
Undergraduate research advisor: Professor James Kennedy

APPOINTMENTS, RESEARCH TRAINING, & EXPERIENCE

2009-Present Postdoctoral Fellow, The Karolinska Institute, Sweden
2008-2009 Fulbright Fellow, The Karolinska Institute, Sweden
2003-2008 Teaching and Research Assistant, University of Minnesota, USA
2001-2003 Teaching and Research Assistant, The University of Texas at Austin, USA
2000-2001 Field Assistant at The Lewisville Aquatic Ecosystem Research, USA
1999-2000 Undergraduate research, University of North Texas, USA

FELLOWSHIPS & AWARDS

2009 Lars Hiertas Minne Research Grant
2008 J William Fulbright Fellowship
2008 Harold C. Bold Award, The Phycological Society of America
2007 Microbial and Plant Genomics Institute Research Fellowship, University of MN
2005 Croasdale Fellowship, The Phycological Society of America
2005 Friday Harbor Labs Tuition Scholarship, University of Washington
2003 Hoshaw Travel Award, The Phycological Society of America

TEACHING EXPERIENCE

Spring 2006, Cell Biology/Teaching Assistant, University of Minnesota
Led discussions, proof-read and proctored exams, gave a guest lecture

Spring 2004, General Botany/Teaching Assistant, University of Minnesota
Facilitated laboratory set up, taught and evaluated labs, wrote and graded lab quizzes

Spring 2003, Lab. Techniques in Molecular and Cellular Biology/Teaching Assistant, U.T. Austin
Facilitated laboratory set up, taught and evaluated labs, proctored and graded course quizzes

Fall 2002, Molecular and Cellular Biology/Teaching Assistant, U.T. Austin
Led discussions, proof-read and graded exams, gave a guest lecture

Fall 2001, Evolution and Society/Teaching Assistant, U.T. Austin
Led discussion sections, proctored and graded exams, gave a guest lecture

PEDAGOGICAL TRAINING

2002, Biological sciences teaching enrichment program, The University of Texas at Austin
A course that met weekly to provide an exposure to different learning techniques

2005, Teaching in higher education, University of Minnesota
A three credit course that covered various pedagogical techniques utilized in teaching

RESEARCH PUBLICATIONS

Piasecki, B.P., Diller, K.R., and Brand, J.J. (2009) Cryopreservation of *Chlamydomonas reinhardtii*: A cause of low viability at high cell density. ***Cryobiology*** 58, 103-109.

Piasecki, B.P. and Silflow, C.D. (2009) The *UNI1* and *UNI2* Genes Function in the Transition of Triplet to Doublet Microtubules between the Centriole and Cilium in *Chlamydomonas*. ***Molecular Biology of the Cell*** 20, 368-378 (Cover Photograph, January 2009)

Piasecki, B.P., LaVoie, M., Tam, L-W., Lefebvre, P.A., and Silflow, C.D. (2008) The Uni2 Phosphoprotein is a Cell Cycle-regulated Component of the Basal Body Maturation Pathway in *Chlamydomonas reinhardtii*. ***Molecular Biology of the Cell*** 19, 262-273.

PROFESSIONAL MEETING ABSTRACTS

2009 "Towards identifying and characterizing evolutionarily conserved cilia genes with sensory specific functions." European Worm Neurobiology Meeting 2009, Cambridge, UK.

2009 "4D microscopy reveals the centriolar and ciliary cycle of the developing *C. elegans* embryo" The 2nd annual Nordic *C. elegans* Network Meeting 2009, Tvärminne, Finland.

2008 "Uniflagellar Mutants in *Chlamydomonas reinhardtii* Provide Insights into Basal Body Maturation and Flagellar Formation." The 62nd Annual Meeting of The Phycological Society of America, New Orleans, LA.

2008 “The *uni2* mutant of *Chlamydomonas reinhardtii* Provides Insights into the Pathway of Axonemal Assembly.” The 13th International Conference on the Cell and Molecular Biology of *Chlamydomonas*. Hyères-les-Palmiers, France.

2007 “The Uni2 Protein is a Cell-Cycle Regulated Marker of Basal Bodies in *Chlamydomonas reinhardtii*” Federation of American Societies for Experimental Biology (FASEB) conference on The Biology of Cilia and Flagella. Saxtons River, VT

2006 “The UNI2 Gene in *Chlamydomonas reinhardtii* Encodes a Component of Basal Bodies and Probasal Bodies.” The 12th International Conference on the Cell and Molecular Biology of *Chlamydomonas*. Portland, OR

2005 “The UNI2 gene in *Chlamydomonas reinhardtii* Encodes a Component of Basal Bodies and Probasal Bodies.” The 45th Annual Meeting of The American Society for Cell Biology. San Francisco, CA

2003 “Cryopreservation of *Chlamydomonas reinhardtii* (Chlorophyta): A Cause of Low Viability at High Cell Density.” The 57th Annual Meeting of The Phycological Society of America. Gleneden Beach, OR

2002 “Survival of *Chlamydomonas reinhardtii* Subsequent to Cryopreservation is Prevented by a Substance Release from Damaged Cells.” The 56th Annual Meeting of The Phycological Society of America. Madison, WI

PROFESSIONAL SOCIETY MEMBERSHIP

The American Society for Cell Biology

The Genetics Society of America

The Phycological Society of America

JOURNAL/BOOK PHOTO CREDITS

Stocker R. and Durham W.M. (2009) Microbiology. Tumbling for stealth? *Science* 325(5939), 400-402.

Koukkari, W.L. and Sothorn, R.B. (2006) *Introducing Biological Rhythms: A Primer on the Temporal Organization of Life, with Implications for Health, Society, Reproduction, and the Natural Environment*. Springer, New York, NY, 658 pp.

Brooker, R.J., Widmaier, E.P., Graham, L.E., and Stiling, P.D. (Material to be included in next edition) Brooker Biology 2nd ed. McGraw Hill, New York, NY

Starr C., Taggart, R., Evers C., and Starr L. (Material to be included in all three books of an updated series) Biology: The Unity and Diversity of Life; Biology: Concepts and Applications; Biology: Today and Tomorrow. Cengage Learning, Mason, OH

REFERENCES

<p>Professor Carolyn D. Silflow The University of Minnesota Department of Plant Biology 250 Biological Sciences Ctr. 1445 Gortner Ave. St. Paul, MN 55108 Phone: (612)624-0729 email: silfl001@umn.edu</p>	<p>Professor Richard W. Linck The University of Minnesota Department of Genetics, Cell Biology, and Development 6-160 Jackson Hall 321 Church St. SE Minneapolis, MN 55455 Phone: (612)624-5179 email: linck001@umn.edu</p>
<p>Professor Jerry J. Brand The University of Texas at Austin Section of Molecular, Cell, and Developmental Biology 1 University Station A6700 Austin, TX 78712 Phone: (512)471-1589 email: jbrand@mail.utexas.edu</p>	<p>Assistant Professor Peter Swoboda The Karolinska Institute Department of Biosciences and Nutrition Hälsövägen 7, S-14157 Sweden Phone: +46-8-608-4871 email: peter.swoboda@ki.se</p>