

## **BRIAN E. WADZINSKI, Ph.D.**

### **WORK:**

Vanderbilt University School of Medicine  
Department of Pharmacology - 406 RRB  
Nashville, TN 37232-6000  
Phone: 615-343-2080/FAX: 615-343-6532  
Email: brian.wadzinski@vanderbilt.edu

### **HOME:**

111 Riverwood Dr.  
Franklin, TN 37069  
615-591-1913  
615-305-7149 (Cell)

**DATE AND PLACE OF BIRTH:** October 1, 1960 in Appleton, Wisconsin

**MARITAL STATUS:** Married with three children

### **EDUCATION:**

B.S. Biochemistry and Chemistry, University of Wisconsin-Madison, 1984.  
Ph.D. Pharmacology, University of Wisconsin-Madison, 1989.

### **PROFESSIONAL EXPERIENCE:**

1983-1984 Research Assistant, Physiology Department, University of Wisconsin-Madison (Advisor: Dr. Michael Shanahan).  
1984-1989 Graduate Student, Pharmacology Department, University of Wisconsin-Madison (Ph.D. Thesis Advisor: Dr. Arnold E. Ruoho).  
1989-1993 Postdoctoral Fellow, Division of Basic Sciences, National Jewish Center for Immunology and Respiratory Medicine, Denver, CO (Mentor: Dr. Gary L. Johnson).  
1993-2002 Assistant Professor, Department of Pharmacology, Vanderbilt University School of Medicine, Nashville, TN.  
2002-Present Associate Professor, Department of Pharmacology, Vanderbilt University School of Medicine, Nashville, TN.  
2015-Present Founder and CEO, Turkey Creek Biotechnology LLC, Waverly, TN

### **AWARDS AND HONORS:**

1985-1989 Advanced Opportunity Fellowship, University of Wisconsin-Madison Graduate School.  
1989-1990 Postdoctoral Fellowship, National Jewish Center for Immunology and Respiratory Medicine, Denver, CO.  
1990 NIH and ACS Postdoctoral Fellowship, declined.  
1990-1993 National Science Foundation Postdoctoral Fellowship for Minorities.  
1994-1996 Faculty Development Award from the Pharmaceutical Research and Manufacturers of America Foundation.  
2001 Vanderbilt University School of Medicine – Department of Pharmacology Teaching Award.  
2017-Present Jordan's Guardian Angels Research Team  
2019 25 Years of Service – Vanderbilt University

### **PROFESSIONAL AFFILIATIONS:**

Society for Advancement of Chicanos and Native Americans in Science (SACNAS)  
Federation of American Societies for Experimental Biology (FASEB)  
American Society for Biochemistry and Molecular Biology (ASBMB)

American Society for Pharmacology and Experimental Therapeutics (ASPET)  
American Association for the Advancement of Science (AAAS)

## MEMBERSHIPS IN INSTITUTIONAL CENTERS

Vanderbilt-Ingram Cancer Center  
Diabetes Research and Training Center  
Center for Molecular Neuroscience

## FUNDING/SUPPORT:

### Current:

TCB (JGA)→VU Subcontract	Brian E. Wadzinski – Principal Investigator (10% effort) 04/01/18-03/31/19 \$40,000 (Total)
UC-Davis (JGA) →VU Subcontract	Brian E. Wadzinski – Principal Investigator (20% effort) Development and application of PPP2R5D antibodies/nanobodies 07/01/18-06/30/21 \$1,114,981 (Direct) Anticipated issue date – March 1, 2019
VU Core Facility (VAPR)	Brian E. Wadzinski – Director of Nanobody Services (30% effort) 07/01/18-Present
VUSM	Portfolio Coach Brian E. Wadzinski (10% effort)
VU	IMPACT Group Leader Brian E. Wadzinski (5% effort)
VU/VUMC	Research Compliance Expert – Department of Pharmacology Brian E. Wadzinski (3.1% effort)
VUMC	William Tansey (Vanderbilt) – Principal Investigator Brian E. Wadzinski (5% effort)
NIH-R01	Donna Zhang (Arizona) – Principal Investigator Brian E. Wadzinski – Co-investigator (5% effort)
NIH-NIDDK	Richard O'Brien (Vanderbilt) – Principal Investigator Molecular Endocrinology Training Program Brian E. Wadzinski (1% effort)

### Pending:

NIH-U01 (A1)	Wellington Pham (VUMC) – Principal Investigator Brian E. Wadzinski – Co-investigator (10% effort) Permanent fluorescence-embedded nanoparticles for the detection of hidden polyyps To be submitted March 5, 2019
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### In Preparation:

NIH-R01 New	Brian E. Wadzinski, Principal Investigator (20% effort) Tyrosine phosphorylation of PP2A in normal biology and cancer To be submitted once paper is accepted
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### Past:

VICC Scholarships	Brian E. Wadzinski (PI) VAPR and Cell Imaging Core Scholarships
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Vanderbilt VICTR	Brian E. Wadzinski, Principal Investigator Production of an ALPHA4 cleavage product-specific monoclonal antibody 10/07/11-02/04/12	\$2,000
NIH-RO1/ GM051366(11-15)	Brian E. Wadzinski, Principal Investigator (40% effort) Structure and function of protein kinase/PP2A complexes 09/16/08-06/30/13	\$903,000 (direct)
NIH-RO1/ DK070787(01-05)	Brian E. Wadzinski, Principal Investigator (42%) Mechanism, regulation and function of PP2A ubiquitination 4/1/05-3/31/11	\$1,125,000 (direct)
NIH-RO1/ DK070787-05S1	Brian E. Wadzinski, Principal Investigator Mechanism, regulation and function of PP2A ubiquitination Equipment Award	\$45,728 (direct)
Vanderbilt Bridge Funding	Brian E. Wadzinski, Principal Investigator Institutional bridge funding for NIH grant DK070787 7/1/10-6/30/11	\$232,393
NIH-RO1 R56GM051366	Brian E. Wadzinski, Principal Investigator (34.7% effort) Structure and function of protein kinase/PP2A complexes 09/01/07-08/31/08	\$227,438 (direct)
NIH-RO1 GM051366(07-10)	Brian E. Wadzinski, Principal Investigator (20% effort) Structure and function of protein kinase/PP2A complexes 12/01/01-08/31/07	\$860,000 (direct)
ASPET	ASPET Institutional Summer Undergraduate Fellowship (SURF) Program – Dalton-Zannoni SURF Program Brian E. Wadzinski, Program Director 2003-2007	\$9,000/year
NIH-RO1/ GM62265(01-04)	Brian E. Wadzinski, Principal Investigator Regulation of NF- $\kappa$ B signaling by PP2A-like enzymes 8/1/01-7/31/06	\$620,000 (direct)
NIH-F31 GM68980	Kelie M. Reece, Principal Investigator Brian E. Wadzinski, Sponsor Minority Predoctoral Fellowship Program 7/1/03-6/30/06	
NIH-RO1/ NS37508(01-04)	Roger J. Colbran, Principal Investigator Brian E. Wadzinski, Co-investigator (10%) Targeting of brain protein phosphatase 1 12/01/98-11/30/02	\$505,579 (direct)
NIH-RO1/ GM051366(04-06)	Brian E. Wadzinski, Principal Investigator Function and regulation of protein phosphatase 2A 6/1/98-5/31/01	\$446,552 (direct)
NIH-RO1/ GM051366(01-03 & 03S)	Brian E. Wadzinski, Principal Investigator Function and regulation of nuclear phosphatase 2A and X 8/1/94-7/31/98	\$418,534 (direct)
Faculty Development Award – Pharmaceutical Research and Manufacturers of America Found.	Brian E. Wadzinski, Principal Investigator Localization and targeting of Ser/Thr phosphatases in mammalian cells	

7/1/94-6/30/96	\$60,000 (direct)
Vanderbilt Diabetes Research and Training Center Award Brian E. Wadzinski, Principal Investigator Identification of constitutive active and dominant negative protein phosphatase type 1 and 2A mutants 12/1/93-11/30/96	\$40,000 (direct)
National Cancer Institute Center Award Brian E. Wadzinski, Principal Investigator Role of protein phosphatase type 2A and 1 in regulation of cell growth 1/1/94-12/31/94	\$7000 (direct)
National Science Foundation Research "Start-Up" Award Brian E. Wadzinski, Principal Investigator Characterization of nuclear protein phosphatases 11/1/93-10/1/94	\$35,000 (direct)

**INVITED LECTURES (Symposia and Research Seminars):**

- Vanderbilt University, Department of Pharmacology (November, 1993).
- Vanderbilt University, Department of Molecular Biology (1994).
- 9th International Conference on Second Messengers and Phosphoproteins, Nashville TN, Co-Chair Protein Serine/Threonine Phosphatase Workshop (November, 1995).
- 9th International Conference on Second Messengers and Phosphoproteins, Vanderbilt University (November, 1995). Seminar Presentation.
- Vanderbilt University, Department of Cellular and Molecular Neuroscience (March, 1996).
- Temple University, FELS Institute for Cancer Research and Molecular Biology (August, 1996).
- University of North Carolina at Chapel Hill, Department of Cell Biology and Anatomy (December, 1998).
- Vanderbilt University, Department of Molecular Biology (December, 1998).
- University of Wisconsin - Madison, Department of Pharmacology (December, 1998).
- Vanderbilt University, Department of Medicine -Renal Research Conference (March, 1999).
- Purdue University, Department of Medicinal Chemistry and Molecular Pharmacology (April, 1999).
- Duke University, Department of Pharmacology and Cancer Biology (June, 1999).
- EMBO Conference/FEBS Advanced Course on Protein Phosphorylation and Protein Phosphatases , DePanne, BELGIUM (September, 1999).
- Case Western Reserve University, Department of Physiology and Biophysics (October, 1999).
- University of Colorado School of Medicine, Department of Pharmacology (November, 1999).
- University of Pennsylvania School of Medicine, Department of Pharmacology (November, 1999).
- University of North Texas Health Science Center, Department of Molecular Biology and Immunology (December, 1999). Lecture represented regular departmental seminar and a component of an advanced graduate course (Biochemistry 5435).
- Northwestern University Medical Center, Division of Pulmonary and Critical Care Medicine (April, 2000).

Vanderbilt University 4<sup>th</sup> Annual Neuroscience Retreat – Phosphorylation in the Central Nervous System (May, 2000).

FASEB Summer Research Conference – Protein Phosphatases, Copper Mountain (July, 2000).

Myriad Pharmaceuticals, Inc. Salt Lake City, UT (January, 2001).

University of Arizona Health Sciences Center, Department of Pharmacology and Toxicology (January, 2001).

Rigel Pharmaceutical, South San Francisco, CA. Protein Phosphatase Mini-Symposium (March, 2001).

Sphinx Laboratories, Research Triangle Park, NC (March, 2001).

Vanderbilt University, Department of Molecular Physiology and Biophysics (April, 2001).

Vanderbilt University, Department of Pharmacology (June, 2001).

Vanderbilt University, Department of Cell Biology (October, 2001).

Max-Planck Institute for Molecular Genetics, Berlin, Germany. “Dahlem Colloquia in Molecular Genetics” seminar series (June, 2002).

Vanderbilt University Cancer Center (October, 2002).

Wayne State University, Department of Pharmaceutical Sciences (March, 2004).

Meharry Medical College, Department of Microbiology (March, 2004).

Meharry Medical College, Department of Microbiology (March, 2005).

Vanderbilt-Ingram Cancer Center – Signal Transduction and Cell Proliferation Program Mini-Retreat (April, 2006).

Medical College of Georgia, Department of Pharmacology and Toxicology (March, 2008).

FASEB Summer Research Conference – Protein Phosphatases, Copper Mountain, CO (July, 2008).

University of North Carolina, Department of Pharmacology (October, 2008).

Distinguished Scientist Speaker, University of South Alabama, Department of Biochemistry and Molecular Biology (November, 2008).

Indiana University School of Medicine, Department of Cellular and Integrative Physiology (December, 2008).

Meharry Medical College, Department of Microbiology (December, 2008).

University of Wisconsin – Madison, Department of Pharmacology (November, 2009).

FASEB Summer Research Conference – Protein Phosphatases, Steamboat, CO (July, 2010).  
Invited speaker and Session Chair.

Iowa University, Department of Pharmacology (November, 2010).

Meharry Medical College, Department of Microbiology (March, 2011).

University of Texas – Houston, Department of Integrative Biology and Pharmacology (April, 2012).

FASEB Summer Research Conference – Protein Phosphatases, Snowmass, CO (July, 2012).  
Invited speaker and Session Chair.

National Hispanic Medical Association (NHMA) Annual Conference – March 27-30, 2014.  
Representative of the Vanderbilt Office of Diversity.

PPP2R5D Workshop – Scottsdale, Arizona (March, 2017).

Jordan's Guardian Angels Workshop – New York, New York (December, 2017).

University of Arizona College of Pharmacy, Department of Pharmacology and Toxicology  
(February, 2018).

Jordan's Guardian Angels Symposium – Denver, CO (July, 2018).

Jordan's Guardian Angels Workshop – New York, New York (December, 2018).

## **TEACHING:**

Interdisciplinary Graduate Program (IGP) Bioregulation Course; Fall 2018. Lecture Hours: 4.

Receptor Theory and Signal Transduction (PH 324-1); Fall 2018. Lecture Hours: 4.

Interdisciplinary Graduate Program (IGP) Bioregulation Course; Fall 2017. Lecture Hours: 4.

Receptor Theory and Signal Transduction (PH 324-1); Summer 2017. Lecture Hours: 4.

Interdisciplinary Graduate Program (IGP) Mini-Module; Spring 2017. Lecture Hours: 2.

Interdisciplinary Graduate Program (IGP) Bioregulation Course; Fall 2016. Lecture Hours: 4.

Receptor Theory and Signal Transduction (PH 324-1); Summer 2016. Lecture Hours: 4.

Interdisciplinary Graduate Program (IGP) Mini-Module; Spring 2016. Lecture Hours: 2.

Interdisciplinary Graduate Program (IGP) Bioregulation Course; Fall 2015. Lecture Hours: 4.

Receptor Theory and Signal Transduction (PH 324-1); Summer 2015. Lecture Hours: 4.

Interdisciplinary Graduate Program (IGP) Mini-Module; Spring 2015. Lecture Hours: 2.

Interdisciplinary Graduate Program (IGP) Bioregulation Course; Fall 2014. Lecture Hours: 4.

Receptor Theory and Signal Transduction (PH 324-1); Summer 2014. Lecture Hours: 4.

Interdisciplinary Graduate Program (IGP) Mini-Module; Spring 2014. Lecture Hours: 2.

Interdisciplinary Graduate Program (IGP) Bioregulation Course; Fall 2013. Lecture Hours: 4.

Receptor Theory and Signal Transduction (PH 324-1); Summer 2013. Lecture Hours: 4.

Interdisciplinary Graduate Program (IGP) Mini-Module; Spring 2013. Lecture Hours: 2.

Receptor Theory and Signal Transduction (PH 324-1); Summer 2012. Lecture Hours: 4.

Independent Study; Summer 2012. Meeting Hours: 8.

Receptor Theory and Signal Transduction (PH 324-1); Summer 2011. Lecture Hours: 4.

Receptor Theory and Signal Transduction (PH 324-1); Summer 2010. Lecture Hours: 4.

Interdisciplinary Graduate Program (IGP) Bioregulation Course; Spring 2010. Director of  
Signaling Section. Lecture Hours: 2.

Receptor Theory and Signal Transduction (PH 324-1); Summer 2009. Lecture Hours: 4.

Interdisciplinary Graduate Program (IGP) Bioregulation Course; Spring 2009. Director of  
Signaling Section. Lecture Hours: 2.

Receptor Theory and Signal Transduction (PH 324-1); Summer 2008. Lecture Hours: 6.

Interdisciplinary Graduate Program (IGP) Bioregulation Course; Spring 2008. Director of  
Signaling Section. Lecture Hours: 2.

Receptor Theory and Signal Transduction (PH 324-1); Summer 2007. Lecture Hours: 8.

Interdisciplinary Graduate Program (IGP) Bioregulation Course; Spring 2007. Lecture Hours: 2.  
Receptor Theory and Signal Transduction (PH 324-1); Summer 2006. Lecture Hours: 8.  
Interdisciplinary Graduate Program (IGP) Bioregulation Course; Spring 2006. Lecture Hours: 2.  
Receptor Theory, Cell-Surface Receptors and Signal Transduction Pathways (PH 324-1); Course  
Co-director; Summer 2005. Lecture Hours: 10.  
Interdisciplinary Graduate Program (IGP) Bioregulation Course; Spring 2005. Lecture Hours: 2.  
Receptor Theory, Cell-Surface Receptors and Signal Transduction Pathways (PH 324-1); Course  
Director; Summer 2004. Lecture Hours: 12.  
Interdisciplinary Graduate Program (IGP) Bioregulation Course; Spring 2004. Lecture Hours: 2.  
Receptor Theory, Cell-Surface Receptors and Signal Transduction Pathways (PH 324-1); Course  
Director; Summer 2003. Lecture Hours: 12.  
Interdisciplinary Graduate Program (IGP) Bioregulation Course; Spring 2003. Lecture Hours: 2.  
Receptor Theory, Cell-Surface Receptors and Signal Transduction Pathways (PH 324-1); Course  
Director; Summer 2002. Lecture Hours: 12.  
Interdisciplinary Graduate Program (IGP) Bioregulation Course; Spring 2002. Lecture Hours: 2.  
Receptor Theory, Cell-Surface Receptors and Signal Transduction Pathways (PH 324-1); Course  
Director; Summer 2001. Lecture Hours: 14.  
Receptor Theory, Cell-Surface Receptors and Signal Transduction Pathways (PH 324-1); Course  
Director; Summer 2000. Lecture Hours: 14.  
Receptor Theory, Cell-Surface Receptors and Signal Transduction Pathways (PH 324-  
1/Biochemistry 324); Course Director; Summer 1999. Lecture Hours: 14  
Frontiers in Membrane Biology: Discovering New Drug Targets (PH 360); Spring 1999. Lecture  
Hours: 3  
Receptor Theory, Cell-Surface Receptors and Signal Transduction Pathways (PH 324-  
1/Biochemistry 324); Course Director; Fall 1998. Lecture Hours: 8.  
Molecular Neurobiology (NURO346); Spring 1998. Lecture Hours: 2.  
Pharmacological Techniques and Instrumentation (PH 324-2); Fall 1995. Lecture Hours: 2.  
IGP Flextime Discussions; 1993-2009.

#### **UNIVERSITY/DEPARTMENT/OTHER SERVICE:**

Portfolio Coach for Medical Students, Vanderbilt University School of Medicine (2016-present).  
IMPACT Group Leader for Vanderbilt University Graduate Students (2016-present).  
Common Equipment Facilities Director for the Department of Pharmacology, Vanderbilt  
University School of Medicine (2013-present).  
Member – Search Committee for Chair of Molecular Physiology and Biophysics, Vanderbilt  
University (2017).  
Research Compliance Expert for the Department of Pharmacology, Vanderbilt University School  
of Medicine (2006-present).  
Member – Vanderbilt Medical School Screening Admissions Committee (2012-2017).  
Member – Vanderbilt IGP Admissions Committee (2015-present).  
Director – Department of Pharmacology Seminar Series (2007-present).

Member – Vanderbilt Institute of Chemical Biology Operating Committee (2018-present).  
Molecular Endocrinology Training Program (METP) Advisory Committee (2007-present).  
Member – Vanderbilt Radiation Safety Committee (2016-present).  
Interviewer for prospective VUSM IGP, QCB, and MSTP students (2000-present).  
Department of Pharmacology Qualifying Exams – Question Writer and Practice Examiner (2000-present).  
Department of Pharmacology Graduate Student Ph.D. Thesis Committee Member (1993-present; see below).  
Graduate Student Examination Committee Member for numerous students inside and outside the Department of Pharmacology (1993-present).  
Faculty Mentor – Department of Pharmacology Communication Course (2016-present).  
Member – Dolores C. Shockley Partnership Award Committee (2013-present).  
Member – METP Student Advisory Committee (Annastasia Hyde) (2015-2016).  
Representative of VUSM Office of Diversity (2014-present).  
Member – VICTR Studio – Smita Misra (Meharry Medical College) (2017).  
Mentoring committee – Dr. Sabine Huke, Research Assistant Professor (2010-2014).  
Faculty Advisory Committee – NIH T32 Training Grant (HL007737) for Meharry Medical College (2009-2014).  
Mentoring committee – Dr. Smita Misra, Assistant Professor (Meharry); Blue-Sky Team for SC2 grant proposal (2014).  
National Hispanic Medical Association (NHMA) Annual Conference – March 27-30, 2014. Representative of the Vanderbilt Office of Diversity.  
Bridge Funding Feasibility Committee – Vanderbilt University School of Medicine (2008-2009; 2013).  
Advisory committee for post-doctoral fellows [Joan Garrett (2008-2009), Matt Duvernay (2008-2010), Emily Stanley (2011-2012)].  
Mentor (Taylor Corley) – Medical Student Research Experience; U54 Sponsored Research Program (2013).  
Graduate Faculty Delegate Assembly (2007-2013).  
Department of Pharmacology Faculty Search Committee (2009-2011).  
Department of Pharmacology Graduate Education Committee (2007-2011).  
Department of Pharmacology Graduate Student Qualifying Examination Committee (2008-2010).  
Vanderbilt University Medical Center Mentoring Committee – Member of the Student Mentoring Subcommittee (2005-2010).  
Judge – VUMC Postdoctoral Poster Symposium (March 2007, April 2008, April 2009).  
Mentor (Leethaniel Brumfield) – ASPET/Pharmacology Undergraduate Summer Research Program (2007).  
Co-Organizer: Earl W. Sutherland, Jr. Symposium – Molecular mechanisms of cell signaling in health and disease (May 2, 2006).



Director, Department of Pharmacology/ASPET Summer Undergraduate Research Program – Vanderbilt Summer Science Academy (2003-2008).

Mentor (Klarissa Hardy) – ASPET/Pharmacology Undergraduate Summer Research Program (2004).

Mentor (Jabari Capp) – IMSD Program; Vanderbilt University School of Medicine (2004-2005).

Mentor (Lisa McCorvey) – Bridges Program; Vanderbilt Summer Science Academy (2003).

Graduate Education Advisory Committee (1999-2000).

Graduate School Faculty Council (1998-2001).

Department of Pharmacology Graduate Student Qualifying Examination Committee (1997-2000).

Co-Scientific Director, Department of Pharmacology Retreat (1996).

Scientific Director, Department of Pharmacology Retreat (1997, 1998).

Director, Department of Pharmacology Student Seminars (1996-1998).

Mentor (R. Lane Coffee, Jr.) – ASPET/Pharmacology Undergraduate Summer Research Program (1999).

#### **TRAINEES:**

Graduate Students and Medical Science Training Program (MSTP) Students:

Matthew D. Mazaloukas, Graduate Student (Pharmacology), Ph.D. granted, 2005-2014  
Guy R. Watkins, Graduate Student (Pharmacology), Ph.D. granted, 2006-2012  
Rey J. Gomez, Masters of Laboratory Science, M.S. granted, 2006-2007  
Kelie M. Reece, Graduate Student (Pharmacology), Ph.D. granted, 2000-2009  
Jamie L. McConnell, Graduate Student (Pharmacology), Ph.D. granted, 2000-2007  
Adam M. Wegner, Graduate Student (Neuroscience), 2002-2006  
Arlene E. Kray, Graduate Student (Pharmacology), Ph.D. granted, 1999-2005  
W. David Strayhorn, MSTP Student, Ph.D. granted, 2000-2002  
Susanne Kloeker, Graduate Student (Pharmacology), Ph.D. granted, 1993-1998  
Jeffrey C. Bryant, Graduate Student (Pharmacology), 1993-1998  
Julie A. Zaucha, Graduate Student (Pharmacology), 1995-1997

Post-doctoral Fellows:

Monique M. McCallister, 2012-2013  
Ning Wang, 2008-2009  
Jamie L. McConnell, 2008-2009  
Deanna G. Adams, 2002-2006  
Robin Reed, 1999-2000  
Susanne Kloeker, 1998  
Ryan S. Westphal, 1995-1997

Research Instructors:

Ning Wang, 2009-2013

Rotation Students:

Kendra Vann (IGP, 2010), Ryan Ceddia (IGP, 2009), Brent Livesay (IGP, 2009), Michelle LaFrance (IGP, 2008), Michelle LeNoue (IGP, 2007), Guy Watkins (IGP, 2006), Sergio Coffa (IGP, 2006), Jeannette Stankowski (IGP, 2006), Miharuru Asare (IGP, 2005), Matthew Mazaloukas (IGP, 2005), Jennifer Madison (IGP, 2004), Jennifer Rosenbluth (MSTP, 2004), Bonnie Garcia (IGP, 2004), Srinivas Nandana (IGP, 2003), Adam Wegner (IGP,

2002), Sue Buckheister (IGP, 2002), Brad Grueter (IGP, 2001), Evangeline Easterly (IGP, 2001), Mark Sundrud (IGP, 2001), Jamie Popovich (IGP, 2000), Kelie Reece (IGP, 2000), Heather Farmer (IGP, 2000), Michelle Mazei (IGP, 1999), Jing Yuan (IGP, 1999), Arlene Kray (IGP, 1999), Brent Thompson (IGP, 1999), Michael Marlow (IGP, 1997), Jeffrey C. Bryant (IGP, 1994), Susanne Kloeker (IGP, 1993)

#### **GRADUATE STUDENT THESIS COMMITTEES:**

Chris Brown (J. Barnett), Troy Torgerson (J. Hawiger), Sue Rueter (R. Emeson), Elke Stein (T. Daniel), Vic Uebele (M. Tamkun), Blair McNeill (R. Colbran), Susanne Kloeker (B. Wadzinski), Julie Zaucha (B. Wadzinski), Jeffrey Bryant (B. Wadzinski), Steve Edwards (L. Limbird), Matt Wilson (L. Limbird), Andrea Bauman (R. Blakely), Robert Carson (D. Robertson), Jason Scholl (J. Wells), Billy Dye (J. Patton), Linda Hutchinson (R. Emeson), Jennifer Busch (J. Corbin and S. Francis), David Strayhorn (B. Wadzinski), Bob Ott (E. Fanning), Jay Desgrosellier (J. Barnett), Jennifer Gentry (B. Carter), Linda Stephenson (M. Boothby), Ben Wolfe (K. Gould), Arlene Kray (B. Wadzinski), Chunsheng Li (J. Hawiger), Shaun Ferguson (R. Blakely), Jamie McConnell (B. Wadzinski), Kelie Reece (B. Wadzinski), Daniela Popescu (B-H. Shieh), Laurie Hornbuckle (R. O'Brien), Alfred Robison (R. Colbran), Xiaoyan Yan (K. Strange), Sue Hanson (S. Gurevich), Leigh Carmody (R. Colbran), William Thiel (M. Anderson), Adam Wegner (B. Wadzinski), Emmanuel Bessay (J. Corbin and S. Francis), Nicholas Shinnars (W. Khan), Karla Eger (D. Unutmaz), Candace Jones – Meharry Medical College (Minu Chaudhuri), Sedrick Anderson – Meharry Medical College (Minu Chaudhuri), Jen Steiner (R. Blakely), Blairanne Williams (B. Carter), Christopher Rold (C. Aiken), Scott Gruver (C. Chung), Bryan Voss (H. Hamm), Liza Nikandrova (R. Colbran), Meredith Brown (A. Reynolds), Mingli Qi (C. Aiken), Cassia Davis (K. Gould), Jeannette Stankowski (B. McLaughlin), Matthew Mazalouskas (B. Wadzinski), Sergio Coffa (S. Gurevich), Christina Swan (R. Breyer), Guy Watkins (B. Wadzinski), Nicole Speed (A. Galli), Sydney Stoops (C. Lindsley), Whitney Cleghorn (S. Gurevich), Cyndi Hill (J. Barnett), Matthew Broadus (K. Gould), Yonatan Carl (E. Gurevich), Jennifer Reiner (P. Datta), Ron Bruntz (A. Brown), Michele LeNoue-Newton (B. Spiller), Lucy Lu (K. Gould), Melanie Duncan – Meharry Medical College (Minu Chaudhuri), Nora Kayton (A. Powers), Craig Goodwin (S. Fesik), Zack Zurawski (H. Hamm), Adam Bissonnette (D. Carbone), Ebony Weems – Meharry Medical College (Minu Chaudhuri), Qiuyan Chen (T. Iverson & S. Gurevich), Katie Sprinkel (C. Schneider), Cassandra Retzlaff (R. Blakely), Meagan Quinlan (R. Blakely), Christian Marks (R. Colbran), Stephanie Moore (J. Schoenecker), Tyler Perfitt (R. Colbran), Kristin Peterson (A. Hasty), Breanne Gibson (J. Schoenecker), Corey Seacrist (S. Davies).

#### **CONSULTATIONS/LICENSING AGREEMENTS:**

Atherogenics, Alpharetta, GA (1997-1999)  
Bionostics, Inc., Toronto, Ontario, Canada (1995-2000)  
Capralogics, Inc., Hardwick, MA (1996-2003)  
Cell Signaling Technology, Beverly, MA (2008-2010)  
Palmetto Biotechnology, Inc., Mount Pleasant, SC (1995-Present)  
Exalpha Biologicals, Boston, MA (1999-Present)  
Bethyl Laboratories, Inc. TX (2004-2012)

#### **PEER REVIEW ACTIVITIES:**

Journal of Biological Chemistry Editorial Board Member (2003-2008) (2016-present)  
Journal of Molecular Signaling – Deputy Editor (2006-2012); Editorial Board Member (2012-Present)

Member of the Faculty of 1000 Biology – Molecular Pharmacology Section (2007-Present)

American Heart Association – Basic Cell and Molecular Biology peer review study group (2003)

Ad hoc reviewer for: Science, Journal of Clinical Investigation, EMBO Journal, Molecular Cell, Journal of Biological Chemistry, Biochemistry, Molecular and Cellular Biology, Molecular Biology of the Cell, PLoS One, Trends in Biochemical Sciences, Molecular Pharmacology, Journal of Cell Biology, Oncogene, FEBS Journal, Endocrinology, Molecular and Cellular Endocrinology, Experimental Cell Research, Molecular Cancer Therapeutics, American Journal of Physiology, Molecular Nutrition and Food Research, International Journal of Biochemistry and Cell Biology, and Experimental Neurology

Ad hoc grant reviewer for: National Science Foundation, National Institutes of Health, Philip Morris External Research Program, University of Leuven-Centers of Excellence grants, Alzheimer's Research Trust, American Cancer Society Institutional grants, Diabetes Research and Training Center Institutional grants

External reviewer/examiner for Ph.D. theses: Ginny Chen-Jorgensen (University of Toronto), Gregory Kranias (University of Newcastle)

#### **PUBLICATIONS (excluding abstracts):**

1. Shanahan, M.F., **Wadzinski, B.E.**, Lowndes, J.M., and Ruoho, A.E. (1985) Photoaffinity labeling of the human erythrocyte monosaccharide transporter with an aryl azide derivative of D-glucose. *J. Biol. Chem.* **260**:10897-10900.
2. **Wadzinski, B.E.**, Shanahan, M.F., and Ruoho, A.E. (1987) Derivatization of the human erythrocyte glucose transporter using a novel forskolin photoaffinity label. *J. Biol. Chem.* **262**:17683-17689.
3. **Wadzinski, B.E.**, Shanahan, M.F., Clark, R.B., and Ruoho, A.E. (1988) Identification of the glucose transporter in mammalian cell membranes with a <sup>125</sup>I-forskolin photoaffinity label. *Biochem. J.* **255**:983-990.
4. Zorzano, A., Wilkinson, W., Kotliar, N., Thoidis, G., **Wadzinski, B.E.**, Ruoho, A.E., and Pilch, P.F. (1989) Insulin-regulated glucose uptake in rat adipocytes is mediated by two transporter isoforms present in at least two vesicle populations. *J. Biol. Chem.* **264**:12358-12363.
5. **Wadzinski, B.E.** (1989) Characterization of mammalian glucose transport proteins using photoaffinity labeling techniques. Ph.D. Dissertation, University of Wisconsin-Madison.
6. **Wadzinski, B.E.**, Shanahan, M.F., Seamon, K.B., and Ruoho, A.E. (1990) Localization of the forskolin photolabelling site within the monosaccharide transporter of human erythrocytes. *Biochem. J.* **272**:151-158.
7. **Wadzinski, B.E.**, Heasley, L.E., and Johnson, G.L. (1990) Multiplicity of protein serine-threonine phosphatases in PC12 pheochromocytoma and FTO-2B hepatoma cells. *J. Biol. Chem.* **265**:21504-21508.
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