

EDUCATION:

Ph.D., Department of Physiology and Biophysics; University of Illinois at Chicago (Illinois University School of Medicine), Chicago, Illinois, 1988

B.S., (double major) Department of Biology and Department of Classical Studies; Loyola University, Chicago, Illinois, 1979

Ph.D. THESIS: Proximal Tubular Function In The Denervated Kidney (advisor - Prof. Y.L. Chan Ph.D.)

PROFESSIONAL EXPERIENCE:

Associate Professor, Department of Biology, Indiana University Northwest (IUN) Gary, IN
July 2009 - present

Adjunct Assistant Professor of Cellular and Integrative Physiology, Northwest Center for Medical Education, Indiana University School of Medicine
May 2004 - present

Assistant Professor, Department of Biology, Indiana University Northwest (IUN) Gary, IN
January 2004 - June 2009

Assistant Professor of Research, Department Medicine, Division of Nephrology; Northwestern University, Feinberg School of Medicine, Chicago, IL
September 1993 - May 2005 (Part time adjunct faculty January 2004 - May 2005)

Research Biologist, VA Chicago Health Care System - Lakeside Division, Chicago, IL
July 1992 - January 2004*

Instructor, Department Medicine; Northwestern University, Chicago, IL
July 1992 - September 1993

Postdoctoral Research Associate, Department Medicine; Northwestern University, Chicago, IL
February 1988 - July 1992

Research Technician, Lakeside VA, Chicago, IL
January 1988 - June 1990*

Research Technologist, Northwestern University, Chicago, IL
January 1986 - February 1988

Production Technician, MediPhysics, Rosemont, IL (1978)

* joint appointments with Lakeside VA and Northwestern University include overlap due to grant source for salary support.

FORMAL TEACHING EXPERIENCE:

Department of Biology, Indiana University Northwest

- Human Anatomy & Physiology I (PHSL P261) Spring 2004; Fall 2004 - present (every fall semester); **course director** - Fall 2004 - present
- Human Anatomy & Physiology II (PHSL P262) Spring 2004 - present (every fall, spring, & summer semester); **course director** - Fall 2004 – present
- Endocrinology (ZOOL Z466) Spring semesters '05, '07, '10, '13 (then every other spring)
- Human (Medical) Physiology (BIOL L490) (lecture and lab) Spring semesters '06, '09, '12, '14

- Internship in Biology Instruction (BIOL L499) offered every semester 2005-present
- Independent Study (*Research*) (BIOL L490) offered every semester 2004 - present
- Introduction to Biological Research (BIOL L290) Fall 2011, '13
- Fundamentals of Human Sexuality (BIOL L316) Summers '05, '09, '11, '13
- Biological Aspects of Aging (BIOL L378) Summers '10, '12, '14
- Human Biology (PHSL P130) Summers '04, '07, '08
- Introduction to Biological Sciences II (BIOL L102) Fall 2007 (also guest lecturer Fall and Spring semesters 2004-2006)
- Special Topics in Biology - "Cardiovascular Physiology" (BIOL L391), Summer 2010
- Special Topics in Anatomy & Physiology - "Anatomy and Physiology II lecture" (PHSL P263) Fall 2009 then every semester Fall '12 - present
- Special Topics in Anatomy & Physiology - "Anatomy and Physiology I lecture" (PHSL P263) Every fall semester Fall '12 - present
- Special Topics in Anatomy & Physiology - "Anatomy and Physiology II independent study" (PHSL P263) 2008
- Special Topics in Anatomy & Physiology - "Alterations of Homeostasis" (PHSL P263) Summer 2007
- Special Topics in Anatomy & Physiology - "Diabetes" (PHSL P263), Summer 2004
- Course Director Human Biology (P130) Dual Credit - Crown Point HS ('09-'13)
- Course Director Human Biology Lab (N213) Dual Credit - Crown Point HS (2010-'13)
- Special Topics in Biology Human Biology Lab (L391) Dual Credit - Crown Point HS ('09-'10)
- Course Director Human Biology (P130) Dual Credit - Lake Central HS (2012- present)
- Course Director Human Biology Lab (N213) Dual Credit - Lake Central HS (2012- present)
- Course Director Human Biology (P130) Dual Credit - East Chicago Central HS (2013- present)
- Course Director Human Biol. Lab (N213) Dual Credit - East Chicago Central HS (2013- present)

Division of Nephrology, Feinberg School of Medicine, Northwestern University

- Structure-Function Course lecturer (first year medical students), 1998-2002
- Pathophysiology lecturer (medical residents and fellows), 1990, 1993, 1996, 1998
- Journal Club lecturer, 1988-2002
- Annual Research Seminars 1998-2002

Department of Physiology, Chicago College of Osteopathic Medicine

- Adjunct faculty - Human Physiology 301/311, fall 1992

Department of Physiology and Biophysics, University of Illinois at Chicago

- Invited guest lecturer - Renal Physiology (first year medical students), 1991
- Pre-matriculation lecturer - Renal Physiology, 1987
- Physiology Laboratory for Graduate and Medical Students, 1980-85
- Physiology Laboratory for Nursing Students, 1983-85
- Teaching Assistant for various Physiology courses for Graduate, Medical, Dental, Nursing students 1983-1986

GRANT HISTORY:

Advancing Indiana Math and Science (AIMS) (STEM enhancement/retention grant proposal)
National Science Foundation (2013) *pending*,
total award: \$619,173 (**Co-Principal Investigator**)

Great Lakes Power Scholarships (STEM enhancement/retention grant proposal)
National Science Foundation (2012) *not funded*,
total award: \$622,907 (**Co-Principal Investigator**)

Improved Anatomy and Physiology Student Learning With the Use of Lecture Rebroadcasts via
Oncourse Podcasts Using the Echo360 System
Indiana University Northwest Student Success Grant (2011)
total award: \$3,975 (**Principal Investigator**)

Forging the Future of Life Science Research at Indiana University Northwest (IUN)
National Science Foundation ARI² (2009) *scored in top 25% but not funded*
total award: \$1,927,270 (**Co-Investigator**) *shared primary authorship*

Development of a Molecular and Structural Core Science Facility to Enhance Research and
Undergraduate Research Training
National Science Foundation MRI-R² (2009) *not funded*
total award: \$615,688 (**Principal Investigator**)

Effects of Aldosterone on NHE-4 in Medullary Renal Collecting Duct Cells
Indiana University Northwest Undergraduate Research Fund (summer 2009)
(**Mentor**) for Bryan Norkus (\$1,938)

Na/H exchange (NHE-4) isoform response to a high osmotic environment
Indiana University Northwest Undergraduate Research Fund (summer 2009)
(**Mentor**) for Deepak Kesani (\$1,938)

Enhanced Learning and Understanding of Anatomy and Physiological Principles Through the Use of
Podcasts
Indiana University- University Information Technology Services (2008)
total award: \$2,151 (**Principal Investigator**)

Regulation of Sodium Hydrogen Isoforms by Aldosterone.

Indiana University Northwest Grant-In-Aid for Research (summer 2007)

total award: \$1,250 (**Principal Investigator**)

Response of Na/H exchange (NHE) isoforms to a diabetic environment

Indiana University Northwest Undergraduate Research Fund (summer 2007)

(**Mentor**) for John Coryell (\$1,800)

Hormonal Regulation of Na⁺/H⁺ Exchange (NHE) Isozymes

Indiana University Summer Faculty Fellowship (summer 2006)

total award: \$7,500 (**Principal Investigator**)

Hormonal Regulation of Na⁺/H⁺ Exchange (NHE) Isozymes

Indiana University Northwest Grant-In-Aid for Research (summer 2006)

total award: \$1,500 (**Principal Investigator**)

Regulation of Na/H Transport Proteins by Aldosterone

Indiana University Northwest Undergraduate Research Fund (summer 2006)

(**Mentor**) for David Garza (\$3,200)

Brief Student Goal Orientation Intervention to Improve Science Course Success (GoFar study of learning motivation) 2005

total award \$9,000 (Collaborator) (Mark Hoyert Ph.D., P.I.)

Renal ACE and ACE2 in Diabetic Mice (Collaborator)

American Diabetes Association (7/01/2005-6//30/2008) (Daniel Batlle MD, P.I.)

Pathobiology of p16 in Diabetes Mellitus

Northwestern Memorial Hospital Intramural Grant (August 1, 2000 - July 30, 2001)

total award (direct cost): \$65,000 (Co-Investigator) (Farhad Danesh M.D., P.I.)

Pilot Study for the Efficacy of r_mCRP to Prevent Blood Pressure Alterations

Immtech International, Inc. (June 1999 - July 2000)

total award: \$18,150 (**Principal Investigator**)

Cell Growth, Na/H Exchange, and Cyclins in IDDM Patients

National Institute of Health RO1(January 1, 1999 - December 31, 2004)

total award (direct cost): \$1,276,249 (Co-Investigator) (Daniel Batlle MD, P.I.)

Cell Growth, Na/H Exchange, and Cyclin D1 in Fibroblasts From Diabetics

V.A. Merit Review (April 1, 1998 - March 31, 2001)

total award: \$435,400. (**Co-Principal Investigator**) (Relinquished in favor of NIH RO1)

Cell Growth, Na/H Exchange, and Cyclins in IDDM Patients

Northwestern Memorial Hospital Intramural Grant (July 1, 1997 - June 30, 1998)

total award (direct cost): \$20,000.(**Co-Principal Investigator**)

Activity and Abundance of Na⁺/H⁺ Antiporter Isoforms NHE-1 and NHE-3 in Renal Proximal Tubules From SHR and WKY rats

American Heart Association of Metropolitan Chicago (July 1, 1997 - June 30, 1999)
total award: \$60,000. (**Principal Investigator**)

Effect of Homocysteine on Na⁺/H⁺ Exchange Activity

National Kidney Foundation of Illinois (July 1, 1995 - June 30, 1996)
total award: \$15,000. (Consultant)

Expression of NHE-1 in Vascular Smooth Muscle From the SHR

American Heart Association of Metropolitan Chicago (July 1, 1995 - June 30, 1997)
total award: \$50,000. (**Principal Investigator**)

Expression of NHE-1 in Vascular Smooth Muscle From the SHR

National Kidney Foundation of Illinois (July 1, 1994 - June 30, 1995)
total award: \$15,000. (**Principal Investigator**)

Na⁺/H⁺ Exchange in Vascular Smooth Muscle From the SHR

American Heart Association of Metropolitan Chicago (July 1, 1992 - June 30, 1994)
total award: \$50,000. (**Principal Investigator**)

H⁺ ATPase and pH Regulation in Vascular Smooth Muscle

Postdoctoral Fellowship - NIH-HLBI (July 1, 1990 - June 30, 1992)
total award: \$60,000. (**Principal Investigator – Postdoctoral Fellowship award**)

COMMITTEES and PROFESSIONAL SERVICE:

Indiana University Northwest

Pre-Healthcare Professional Program (PHP) - **Director** (2013 - present), **Co-Director** (2010 – '13)

Pre-Professionals Studies Club (PPSC) – **Faculty Advisor** (2013 – present)

Biology Lecturer Search Committee - **Chair** (2013)

CSCI Promotion and Tenure Committee (for Dr. Tunde Abiona) (2013)

Search Committee for Interim Director of IMS (2013)

All campus IUURC Webinar presentation "Creating a Poster Presentation" (Oct 4, 2013)

IUN All Campus Promotion and Tenure Committee *elected* member (2012)

Faculty Board of Review – *elected* member (2011-'12; 2013-'14)

Dept of Biology Promotion and Tenure Committee (for Dr. Avis) - **Chair** (2012)

Board of Trustees Teaching Award Committee (2012-'13)

BMD Scholarship Committee (2013 - present)

Search Committee for Assistant Vice President for Regional Affairs and University Academic Planning (2010)

All IU campuses Learning Technologies Steering Committee (LTSC) (Sept '12 - July '15)

IUN Masters of Liberal Studies (MLS) Admissions Committee (2012 - present)

Undergraduate Research Grant in Aid Committee - **Chair** (Spring 2006 -'12)

IUN Flora Richardson Undergraduate Student Grant Committee - **Chair** (2008 -'12)
(Grant program dissolved in 2012)

Science Olympiad Mini-Clinic Planning Committee (2012)

All IU campuses Blueprint for Student Attainment Priority Action Team - Access and Innovation
(2010 - 2011)

All IU Campuses Roadmap Steering Committee (2010 - '12)

Regional Campuses Roadmap Steering Ad Hoc Committee - **Chair** (2011- 2012)

IUN COAS Chairs Council (2010 - present)

IUN Advisors Council (2011 - present)

COAS Curriculum Committee (Sept 2004 - present)

Institutional Animal Care and Use Committee (IACUC) – joint committee for IUN and
Northwest Center for Medical Education (Jan 2007 - present)

Indiana University Undergraduate Research Conference (IUURC) representative (2006 - present)

Faculty Affairs Committee (2009 - present)

Classroom Technology and Distance Education Committee (2010 - '12)

Planning and Budgetary Affairs Committee (2005 - 2009)

Respiratory Therapy Advisory Board Committee (Dec 2005 - Aug 2010)
(IUN Respiratory Therapy degree terminated 2010)

Grants and Research Committee (2006, '08, '09)

Academic Affairs Committee (2008, '13)

IUN No Tobacco Policy Committee (2007)

Ad Hoc Committees on Intercampus Research Funding (2005 and 2006)

Ad Hoc Equip. Committee - establishment of Northwest Indiana Health Research Institute (2008)

“Together we are Invincible” IUN outreach program with regional HS biology instructors -
Co-Organizer (2009)

Free Science Online Science chat room for HS Biology students - **Co- Organizer** (2009)

Dual Credit Partnership with Crown Point HS - Campus liaison and director of Human Biology
course (2009 - '12)

Dual Credit Partnership with Lake Central HS - Campus liaison and director of Human Biology
course (2011 - present)

Dual Credit Partnership with East Chicago Central HS - Campus liaison and director of Human
Biology course (2011 - present)

APC site visitor Knox HS - (P130) “Human Biology” (2010-present)

ACP site visitor Knox HS - (L100) “Humans and the Biological World” (2010-present)

Interdepartmental Major: Biology and Chemistry, B.S. in Biochemistry and Molecular Biology -
Primary author (2010 -2011)

Biology Promotion and Tenure Policy – *Primary author* (2011)
 Developmental/Molecular Biologist Search Committee - Department of Biology (2009)
 Molecular Biologist/Botanist Search Committee (*reopened*) - Department of Biology (2007)
 Molecular Biologist/Botanist Search Committee - Department of Biology (2006)
 Developmental/Molecular Biologist Search Committee - Department of Biology (2005)
 Biology Promotion and Tenure Committee for Kathy Kwiatkowski - **Chair** (2013)
 Biology Reappointment Committee for Dr. Olivey (Assist Prof) - **Chair /Primary author** (2011)
 Biology Reappointment Committee for Mrs. Ruckman (Lecturer) - **Chair /Primary author** (2011)
 Biology Reappointment Committee for Mr. Kennedy (Lecturer) - **Chair /Primary author** (2011)
 Moderator - IUN COAS Research Conference - "Medical Sciences" (April 2012)
 Moderator - IUN COAS Research Conference – "Signaling and Structures in Disease and Healing" (Nov 2007)
 Moderator - Indiana University Undergraduate Research Conference (IUURC) "Biology Roundtable" (Nov, 2007)
 School of Nursing Accreditation Site Visit - faculty representative (2008)
 Dental Hygiene Board Review – Annual A&P Review Sessions (2007- present)
 School of Nursing Workshops "Using the CPS Electronic Classroom System" (2006 and 2007)
 MCAT review session (2006)

VA Chicago Health Care System - Lakeside Division (formerly Lakeside VA)

Animal Care and Use Committee (1993 - 2004)
Chair - (March 1994 - October 1995)
 Safety Committee (January 1998 - April 2005)

American Heart Association

Joint Peer Grant Review Committee for Illinois affiliates (1996, 1997)
 American Heart Advocate (1987-2005)
 "Wild About Science" volunteer speaker (1994, 1995)
 "Cardiac Arrest" fund raiser / volunteer (1997)

Editorial Boards

American Journal of Medicine and Medical Sciences (2011 - present)
 International Journal of Advanced Nursing Studies (2012 - present)

Ad Hoc Grant Reviewer

V.A. Merit Review and Career Development Awards (1993, 1995, 1997, 1998)
 American Heart Association - Chicago Chapter (1992)

National Kidney Foundation (1993, 1995)

National Science Foundation (1997)

National Institute of Health (2000, 2007)

The Wellcome Trust (England) (1997)

Comitato Promotore Telethon (Italy) (1997)

Ad Hoc Manuscript Reviewer (alphabetical order)

African Journal of Microbiology Research (2012-13)

American Journal of Hypertension (1996, 1997, 2001, 2004)

American Journal of Kidney Diseases (2000, 2001)

American Journal of Physiology (Heart 1993, 2000, 2001, 2002)
(Fluid and Electrolyte 1996, 1999, 2000, 2001)
(Cell 2000)

Cell Stress and Chaparones (2007)

Circulation Research (1996)

Diabetes (2001, 2002, 2003)

Hypertension (1992-2006)

Journal of American Society of Nephrology (2000, 2003, 2004)

Journal of Clinical Investigation (1993, 1998, 1999)

Journal of Laboratory and Clinical Investigation (1997)

Kidney International (1995, 1996, 1997, 1998, 2000)

Life Science (2002)

Nephrology, Dialysis and Transplant (2007)

Obesity Research (2004, 2005)

Seminars in Nephrology (2006)

National Meeting Abstract Reviewer for Program Committee

American Society of Hypertension annual meeting (1993)

American Society of Nephrology annual meeting (1999)

Publisher / Academic consulting

Turning Technologies Distinguished Educator Program (2011 - present)

Consultant – Classroom Response System *alpha* software tester Turning Technologies (2012)

Consultant – Classroom Response System *beta* software tester Turning Technologies (2012)

Consultant - Human Anatomy & Physiology Educational Forum, Pearson (2012)

Consultant - Anatomy and Physiology Revealed virtual dissection DVD, McGraw Hill (2008- '11)

Reviewer - SmartBook Quick Review Program, McGraw Hill (2013)
 Book Reviewer (survey) – Marieb lab manual, Pearson Benj. Cummings (2011)
 Book Reviewer – Martini/Ober: Visual Anatomy and Physiology, Pearson Benj. Cum. (2010)
 Book Reviewer - Eckel/Bidle: Anatomy & Physiology Lab. Manual, 1st ed, McGraw Hill (2010)
 Book Reviewer - A & P Laboratory Manual by Eric Wise, McGraw Hill (2009)

PROFESSIONAL MEMBERSHIP (alphabetic order):

American Association for the Advancement of Science (AAAS) (1987 - present)
 American Association of University Professors (AAUP) (2005 - present)
 American Heart Association, Council for High Blood Pressure Research (1997 - 2001)
 American Heart Association, Council for Basic Research (1997 - 2001)
 American Society of Nephrology (1988 - 2005)
 International Society of Nephrology (1987 - 1999)
 Midwest Salt and Water Club (*inducted* 1994 - present)
 National Association of Advisors for the Health Professions (NAAHP) (2011 - present)
 NAAHP Central Region (2011 - present)
 Tri Beta Biology Honor Society (*inducted* 2005 - present)

HONORS and SEMINARS:

FACET nomination (2011, '12, '13)
 Founders Day Teaching Award nominee (2006, '08, '09, '10, '11, '12 (*finalist*))
 IUN Trustees Teaching Award *external nominations* (2008, '09, '11, '12) **Awardee** '12
 Outstanding Teacher Recognition, IUN Center of Excellence in Teaching and Learning (CETL), 2006
 Invited Seminar Speaker - CETL Workshop, “Grading Tests with Technology: Instant & Easy”, 2011
 Invited Speaker (Webinar) Turning Technologies “Using Turning Technologies' Tools for Exams, Attendance and More”, (Sept 2011)
 Invited Seminar Speaker - Indiana University Northwest (Anthropology Club) Darwin Day, (2008)
 Invited participant (consultant) Anatomy & Physiology Digital Symposia, McGraw Hill, (Jan 2008)
 Invited seminar speaker - Purdue University Calumet, Dept Biology, (2006)
 Invited seminar speaker - Indiana University Medical School, Gary, (2004)
 Invited seminar speaker - Chicago Medical School, Dept. of Physiology, (1997)
 Invited seminar speaker - American Heart Assoc. of Metropol. Chicago Research Meeting, (1994)
 Invited seminar speaker - Chicago College of Osteopathic Medicine, (1992)
 Guest Physiology lecturer - Chicago College of Osteopathic Medicine, (1992)

Invited seminar speaker – UIC Medical School, Dept of Physiology and Biophysics, (1991)
 Travel Grant - American Society of Nephrology, (1993)
 Travel Grant - International Society of Nephrology, (1990)
 Travel Grant - American Society of Hypertension, (1989)
 Pre-doctoral Teaching Assistantship - NIH, (1980 -1986)
 Illinois State Scholarship, (1974 – 1978)
 Loyola University Scholarship, (1974 – 1978)
 Illinois State Scholar, (1974)
 National Merit Scholar Finalist, (1974)

COMMUNITY INVOLVEMENT / OUTREACH:

Freshman to Physician Day (2012, '13)
 “Secrets Revealed” Medical School Admissions Pre-medical Student Conference (April 2012, '13)
 Youth Summit outreach program – Facilitator (2009 - '12)
 Science Olympiad Coaches Clinic (2012)
 Science Olympiad mini-symposia presenter (2008 - present)
 Gary Schools Summer Health Science Program - presenter EKG and cardiovascular control (2007, 2008, 2009)
 Science Fair Judge (2006 - present)
 Science Olympiad Judge- Middle School competition – Health Science / Anatomy (2004 - present)
 Science Olympiad Judge- High School competition - Science of Fitness / A&P (2004 - present)
 Scientific consultant for the Unicratic Party for Human Development (2005 - 2006)
 Lakeview Middle School, Gary - Teaching Consultant / guest speaker (2004 - 2006)
 Big Ten College Wrestling Championship Tournament - Scoring Table Crew Chief (2006)
 Indiana High School (IHSAA certified) wrestling referee (1999 - 2007)
 Boy Scouts of America (~7 yrs Assist. Scoutmaster, Troop 191; 5 yrs Cub Scout leader, Pack 191)
 Soccer coach (3 seasons park district and private indoor league)

PUBLICATIONS:

Papers

1. Valles P, LaPointe MS, Wysocki J, and Batlle D: Kidney vacuolar H⁺-ATPase: Physiology and Regulation. Seminars in Nephrology 26(5):361-374, 2006.
2. Valles P, Wysocki J, Salabat MR, Cokic I, LaPointe MS, and Batlle D: Angiotensin II increases H⁺-ATPase B1 subunit expression in medullary collecting ducts. Hypertension 45(4): 818-823, 2005.

3. Ye M, Wysocki J, Naaz, P, Salabat MR, LaPointe MS, and Batlle D: Increased ACE2 and decreased ACE protein in renal tubules from diabetic (db/db) mice: A renoprotective combination? Hypertension 43(5): 1120-1125, 2004.
4. LaPointe MS, Sodhi C, Sahai A, and Batlle D: Na⁺/H⁺ exchange activity and NHE-3 expression in renal tubules from the spontaneously hypertensive rat. Kidney International 62(1): 157-165, 2002.
5. LaPointe MS and Batlle D: Cultured skin fibroblasts as an in vitro model to assess phenotypic features of diabetic nephropathy (editorial). American Journal of Kidney Disease 38(3): 646-647, 2001.
6. Stakisaitis D, LaPointe MS, and Batlle D: Mechanisms of chloride transport in thymic lymphocytes. American Journal of Physiology, Renal Physiology 280 (2):F314-F324, 2001.
7. Danesh F, Ye M, Salmi S, LaPointe MS, and Batlle D: Temporal profile of serum induced S phase entry and pRB phosphorylation in human skin fibroblasts. Kidney International 56:1282-1285, 1999.
8. LaPointe MS, Ye M, Bacallao R, and Batlle D: NHE-1 protein in vascular smooth muscle and lymphocytes from SHR and WKY rats. Hypertension 30(4):880-885, 1997.
9. Lurbe A, Fioretto P, Mauer M, LaPointe M, and Batlle D: Growth phenotype of cultured skin fibroblasts from IDDM patients with and without nephropathy and overactivity of the Na⁺/H⁺ antiporter. Kidney International 50:1684-1693, 1996.
10. Flores G, Ye M, LaPointe MS, and Batlle D: Ionic effects of Angiotensin II and their role in the activation of the Na⁺/H⁺ antiporter. Kidney International 49(suppl. 55):S122- S125, 1996.
11. Batlle D, Lurbe A, LaPointe MS, and Agrawal R: Na⁺/H⁺ antiporter, type I diabetes and hypertension. (editorial) Kidney: A Current Survey of World Literature. 4: 1-3, 1995.
12. LaPointe MS, Ye M, Moe O, Alpern R, and Batlle D: Na⁺/H⁺ antiporter (NHE-1 isoform) in vascular smooth muscle cells from the SHR. Kidney International 47: 78-87, 1995.
13. Batlle D, Redon J, Gutterman C, LaPointe MS, Saleh A, Rombola G, Ye M, Gomez L, and Sobero M: Acid-base status and intracellular pH regulation in lymphocytes from rats with genetic hypertension. J. Am. Soc. Nephrol. 5(5): S12-S22, 1994.
14. LaPointe MS and Batlle D: Na⁺/H⁺ exchange and vascular smooth muscle cell proliferation. (review) Am. J. Med. Sci. 307 (suppl 1): S9-S16, 1994.
15. Batlle D, Peces R, LaPointe MS, Ye M, and Daugirdas JT: Cytosolic free calcium (iCa²⁺) in response to changes in intracellular pH in cultured vascular smooth muscle cells Am. J. Physiol. 264 (Cell physiol. 33): C932-C943, 1993.
16. Godnich MJ, LaPointe MS, and Batlle D: Free cytosolic calcium regulation via Na⁺/Ca²⁺ exchange in vascular smooth muscle cells. Ann. New York Acad. Sci. 639: 561-565, 1991.
17. Batlle DC, Godnich MJ, LaPointe MS, Munoz E, Carone F, and Mehring N: Extracellular Na⁺ dependency of free cytosolic Ca²⁺ regulation in aortic vascular smooth muscle cells. Am. J. Physiol. 261(Cell physiol. 30): C845-C856, 1991.
18. LaPointe MS, Jacobs WR, and Chan YL: Sodium and bicarbonate reabsorption in microperfused proximal tubules from the denervated rat kidney: relationship to cortical Na-K-ATPase activity. Chinese J. Physiol. 33 (3): 213-230, 1990.

19. Batlle D, Janns G, LaPointe M, Llibre J, and Saleh A: Cytosolic Calcium in T lymphocytes from the spontaneously hypertensive rat. Am. J. Hypertension 3: 343-348, 1990.
20. Batlle D, Gutterman C, Kelani T, Peces R and LaPointe MS: Effect of cyclosporin A on renal function and compensatory kidney growth in the uninephrectomized rat. Kidney International 37(1): 21-29, 1990.
21. Llibre J, LaPointe MS, and Batlle DC: Free cytosolic calcium in renal proximal tubules from the spontaneously hypertensive rat. Hypertension 12: 399-404, 1988.

Book Chapters

1. Castaneda C and LaPointe MS: Development of Therapeutic Agents. "Gold Standard" Animal Models. Wiley Press, 2011.
2. LaPointe MS and Batlle DC: Intracellular pH and the Na⁺/H⁺ antiporter in smooth muscle. in: Contemporary Endocrinology (vol. 1) Endocrinology of the Vasculature. eds. James R. Sowers and Mary Walsh. Humana Press, Totowa, NJ, pp 301-323, 1996.
3. LaPointe MS, Ye M, and Batlle DC: Intracellular pH and Na⁺/H⁺ antiporter activity in cultured vascular smooth muscle cells from the spontaneously hypertensive rat. in: Acid-Base and Electrolyte Balance. Molecular, Cellular, and Clinical Aspects. eds. Natale Gaspare DeSanto and Giovambattista Campaso. Istituto Italiano per gli Studi Filosofici, Naples, Italy, pp 155-164, 1995.

Abstracts

1. Saqib Nisar, "Regulation and Function of Aquaporin-2 in Kidney Collecting Ducts" IUN COAS Research Conference, 2012 (sponsored by Michael S. LaPointe)
2. Asad J. Torabi, "Calcium Channels in Human Retinal Pigment Epithelium" IUN COAS Research Conference, 2012 (sponsored by Michael S. LaPointe, Nancy Mangini, Brian Kennedy)
3. Bryan R. Norkus and Michael S. LaPointe. The Effects Of Aldosterone On The Expression Of Sodium Hydrogen Exchangers In Renal Collecting Duct Cells, IUN Conference for Science and Medicine, 2010 (sponsored by Michael S. LaPointe)
4. Bryan R. Norkus. The Expression of Sodium Hydrogen Exchangers in Cultured Kidney IMCD3 Cells. IUN COAS Research Conference, 2010 (sponsored by Michael S. LaPointe)
5. John Coryell and Michael LaPointe: NHE-4 expression in response to hypertonic conditions. Indiana University Undergraduate Research Conference (IUURC), 2007
6. John Coryell and Michael LaPointe: Effect of high glucose concentrations on Na/H exchange isoform NHE-4 expression. presented at the Indiana University Northwest COAS Research Conference, 2007
7. Wysocki J, Cockic I, Ye M, LaPointe MS, and Daniel Batlle: Early genomic effect of aldosterone on α_4 subunit of the vacuolar H⁺-ATPase J. Am. Soc. Nephrol. 16:340A, 2005
8. Moorthi, Wysocki J, Salabat MR, Wang M, Cokic I, Ikramuddin P, LaPointe MS, and Batlle D: Aldosterone increases the synthesis and cell surface expression of α_4 , a kidney specific subunit of H⁺ ATPase in a mouse renal collecting tubule cell line. J. Am. Soc. Nephrol. 14:68a, 2003.
9. Ye, M, Wysocki J, Naaz P, Salabat MR, LaPointe MS, and Batlle D: Angiotensin II (Ang II) generation in renal cortex from diabetic db/db mice: an ACE independent pathway? J. Am. Soc. Nephrol. 14:129a, 2003.
10. Valles P, Salabat MR, LaPointe MS, Cokic I, and Batlle D: Effect of Angiotensin II on H⁺-ATPase B1 Subunit Expression in Adrenalectomized (ADX) Rats. J. Am. Soc. Nephrol. 14:69a, 2003.
11. Stakisaitis D, LaPointe MS, Naaz P, Salabat MR, and Batlle D: Regulation of intracellular chloride in hypertension. American Journal of Hypertension 16(5S):96A, 2003.

12. LaPointe MS and Batlle D: Na⁺/H⁺ Exchange activity and diuretic response to novel NHE3 inhibitors in the spontaneously hypertensive rat (SHR). American Journal of Hypertension 16(5S):96A, 2003.
13. LaPointe MS, Salabat, MR and Batlle D: Na⁺/H⁺ Exchange activity and diuretic response to novel NHE3 inhibitors in the spontaneously hypertensive rat (SHR). Nephrology Dialysis and Transplantation 18 (suppl 4): 5, 2003.
14. Wang M, LaPointe MS and D Batlle: Expression of acid base transporters in M1 cells: effects of aldosterone on the H⁺ ATPase α 4 subunit. (accepted for presentation Am.Fed. Med. Res. Meeting.) J. Invest. Med. 50(7): 2002.
15. Wang M, LaPointe MS and D Batlle: Expression of acid base transporters in M1 cells: effects of aldosterone on the H⁺ ATPase α 4 subunit. J. Am. Soc. Nephrol. 13: 269a, 2002.
16. MS LaPointe and D Batlle: Diuretic response to novel NHE-3 inhibitors in the spontaneously hypertensive rat (SHR). American Heart Association Council for High Blood Pressure Research, Annual Conference,(submitted) Hypertension, 2002.
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PROFESSIONAL DEVELOPMENT ACTIVITIES

- Academic Advising Report training session participant (2013)
- "ADEA Dental School Virtual Fair" participant (April 23-24, 2013)
- "AMCAS New Advisors Webinar" participant (April 17, 2013)
- "GoDental Webinar" participant (April 2, 2013)
- "AMCAS 2014 Application Cycle Changes Webinar for Advisors" participant (Jan 30, 2013)
- "Webinar for Advisors on The Official MCAT Self-Assessment Package" participant (Sept 25, 2012)
- "MCAT 2013 Registration and Test Prep Webcast for Advisors" participant (Oct 12, 2012)
- National Association of Advisors for the Health Professions (NAAHP) conference (2012)
- Premedical Advisors Conference, IU School of Medicine, IUPUI (2010, '12)
- Member NAAHP Advisors listserve (2010 - present)
- Invited participant - Human Anatomy & Physiology Educational Forum, Pearson (2012)
- Roundtable Discussion Focus Group – Problem solving the use of clickers in the classroom, IUN and Turning Technologies (2011)
- Regularly attend scheduled Advisors Council Meetings at IU Northwest (2011-present)

Regularly attend scheduled COAS Chairs Council Meetings at IU Northwest (2010-present)

Webinar participant- Facts and Fiction: Careers in Industry and Academia, AAAS (2010)

Webinar participant- Beyond the Knockout Mouse, AAAS (2010)

Invited participant - Anatomy & Physiology Digital Symposia, McGraw Hill, (2008)

Strategies for Success Professional Development Workshop - Teaching Science to Non-science Majors, IUPUI (2006)

Teaching Science to Non-Science Students Conference, Pearson (2005)

Supervised Trainees and Mentored Students

Indiana University Northwest

Biology Research Trainees

<u>Name</u>	<u>Major</u>	<u>Year</u>
Bridget Swope	<i>Biology</i>	Summer 2012
Saqib Nisar	<i>Sociology</i>	Fall 2011
Assad John Torabi	<i>Psychology</i>	Summer 2011
Eddy Villarruel	<i>Nutrition (IU Bloomington)</i>	Summer 2011
Bryan Norkus	<i>Biology</i>	Summer 2009 - Spring 2010
Deepak Kesani	<i>Biology</i>	Summer 2009
Rebecca Stallard	<i>Biology</i>	Spring 2008
John Coryell	<i>Nursing</i>	Spring & Summer 2007
David Garza	<i>Biology</i>	Summer 2006

Discussion leaders (Teaching Internships (Intern) and paid Teaching Assistants (TA))

<u>Name</u>	<u>Major</u>	<u>Year</u>
Emily Switzer	<i>spanish</i>	Spring '14
Tiffany Soderholm	<i>dental hygiene</i>	Fall '13 - present
John Adamski	<i>pre-Nursing</i>	Fall '13 (Adjunct faculty/ lab instructor Spring '14)
Sara Torabi	<i>Psychology</i>	Fall '13
Peter Gallinelli	<i>Nursing</i>	Spring & Summer '13 (TA)
Peggy Boykin	<i>pre-Nursing</i>	Spring '13 - present (3 semesters) (TA)
Adaora Asoegwu	<i>Nursing</i>	Fall '12 & Spring '13 (Intern)
Feras Ziadat	<i>Psychology</i>	Fall '12 - Spring '14 (4 semesters) (TA)
Mary Purcell	<i>Psychology</i>	Spring '12 - Spring '13 (3 semesters) (TA)
Assad John Torabi	<i>Psychology</i>	Fall '11 - Fall '12 (3 semesters) (TA)
Bridget Swope	<i>Biology</i>	Fall '11 - Summer '12 (3 semesters) (TA)
Erika Singh	<i>Biology / Psych</i>	Fall '11 - Summer '13 (6 semesters) (TA)
Saqib Nisar	<i>Sociology</i>	Fall '11 - Spring '13 (5 semesters) (TA)
Cynthia Evans	<i>Nursing</i>	Summer '11 – Spring, '12 (3 semesters) (TA)
Joe Calhoun	<i>Biology</i>	Summer '11 & Fall '11 (TA)
Michelle Schuffert	<i>Nursing</i>	Summer '11 & Fall '11 (TA)
Mandy Fisher	<i>pre -nurs/radiogr</i>	Fall '10 & Spring '11 (TA)
Jamie Sikora	<i>Nursing</i>	Fall '10 & Spring '11 (TA)
Stephanie Donohue	<i>Nursing</i>	Fall '10 (TA)
Kari Doorn	<i>Nursing</i>	Fall '10 (TA)

Adam Crawford	<i>Chemistry</i>	Spring '10 & Spring '11 (TA)
Joe Marciniak	<i>Chemistry</i>	Spring '10 - Fall '10 (3 semesters) (TA)
Milica Dobrijevic	<i>Nursing</i>	Spring '10 (TA)
Jennifer Parent	<i>Nursing</i>	Spring '10 (TA)
Aric Gibson	<i>Nursing</i>	Fall '09 - Fall '11 (6 semesters) (TA)
Lindsay Walters	<i>Nursing</i>	Fall '09 - Fall '10 (4 semesters) (TA)
Derrick del Rosario	<i>pre-dental(non-degree)</i>	Fall '09 & Spring '11 (TA)
Blair Mitchell	<i>Nursing</i>	Fall '09 (TA)
Alexis Carter	<i>Biology/ Psych</i>	Fall '09 (TA)
Yabesh Chache	<i>Nursing</i>	Spring '08 - Fall '09 (3 semesters) (TA)
Roye Robley	<i>Nursing</i>	Fall '08 - Fall '09 (4 semesters) (TA)
Suzette David	<i>Biology</i>	Fall '08 (TA)
Harpreet Khalsa	<i>Biology</i>	Fall '08 (TA)
Britney Green	<i>Biology</i>	Fall '08 (TA)
Kathryn Wayne	<i>Nursing</i>	Fall '08 (TA)
Valerie Vrabic	<i>Nursing</i>	Fall '08 (TA)
Doug Stromberg	<i>Radiography</i>	Fall '07 & Spring '08 (Intern)
Sherry Bunjan	<i>pre-Radiography</i>	Spring '08 (Intern)
Harpreet Khalsa	<i>Biology</i>	Spring '08 (Intern)
Erin Mc Clure	<i>pre-Radiography</i>	Spring '08 & Summer '08 (Intern /paid TA)
Nancy Escobedo	<i>Biology</i>	Fall '06 & Spring '07 (Intern)
Brandy Cripe	<i>Biology</i>	Spring '08 (TA)
Mary Wallace	<i>MS Biology student Purdue Calumet</i>	Fall '07 & Spring '08 (TA)
William Kirkpatrick	<i>pre-Radiography</i>	Fall '07 & Spring '08 (TA)
Tracy Goffin	<i>pre-Radiography</i>	Fall '07 (TA)

Summer interns (undergraduate & H.S. students) Northwestern University & VA Chicago HCS

Woodlyn Jean-Charles (2 summers 2001, 2002)
 Judson Allen (1997)
 Todd Johnson (1995)
 Michael F. Lin (1995)
 Yolanda Norwood (1995)
 Charise Williams (2 summers 1994, 1995)
 Renee Moening
 Sarah Ferguson

Visiting Scientists / Fellows / Research Associates / Medical Students - Northwestern University & VA Chicago HC

Juan Libre M.D. (Visiting Scientist)
 Gerta Janns (Medical Student)
 Ramon Peces M.D. (Visiting Scientist)
 Mary Jo Godinich M.D. (Medical Resident)
 Kun-Run Wang M.D. (Research Associate)
 Elaina Munoz M.D. (Research Associate)
 Rhea Pimental (Medical Student)
 Basal Kazkaz M.D. (Research Associate)
 Amparo Lurbe M.D. (Visiting Scientist)
 Elizabeth Wagner M.D. (Research Associate)

VITAE (continued)

LaPointe, M.S.

Donatas Stakisaitis M.D. (Visiting Scientist)

Rheka Agwrawal M.D. (Visiting Scientist)

David Sisson M.D. (Clinical Fellow)

Patricia Valles M.D. (Visiting Scientist) 2002 *and* April-June 2003

Reza Salabat M.D. (Post doctoral fellow) 2002-August 2003