

Curriculum Vitae

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Name: Mohini Lutchman PhD

Education

- 1985-1987 BSc. Human Anatomy Aberdeen University Scotland, UK
- 1988 Certificate of Further and Adult Education, City and Guilds of London Institute, UK
- 1989-1990 MSc. Neuroscience London University, King's College, UK
- 1991-1995 PhD Neuroscience/Cancer Genetics McGill University, Montreal, Canada,

Postdoctoral Training

- 1998-2000 Postdoctoral Fellow, Hematology Oncology/Tumor Biology, Tufts University, Boston, MA
- 1998-2000 Senior Research Associate, Tumor Biology, Tufts University School of Medicine, Boston, MA
- 2001-2002 Research Fellow, Research Department of Cell Biology, Harvard Medical School, Boston, MA
- 2002-2004 Research Fellow, Harvard Medical School and Massachusetts General Hospital, Boston, MA

Academic Appointments

- 2004-2007 Instructor, Department of Surgery, Harvard Medical School, Staff Scientist, Children's Hospital, Boston, MA
- 2005-2012 Tutor /Instructor, HMS Preclinical Courses: Molecular and Cellular Basis of Medicine Anatomy, Physiology, Human Nervous System and Behavior
- 2007 Instructor, HHMI Undergraduate Program, Department of Biology, Massachusetts Institute of Technology, Cambridge, MA
- 2007-2010 Instructor, Department of Medicine, Beth Israel Hospital and

Harvard Medical School, Boston, MA
2007-Present Assistant Course Director, Lecturer, Lab Instructor, HST Anatomy,
Harvard Medical School, Boston, MA
2011 Course Director, BCMP 235 (Fall 2011), Principles of Disease: Pathology
And Physiology, HHMI Med into Grad Initiative,
(Leder Program), Harvard Medical School, Boston, MA
**2010-Present Lecturer (full-time), Department of Neurobiology, Harvard
Medical School, Boston, MA**

Adjunct Academic Appointments

2010-Present Adjunct Faculty and Anatomy Instructor, Doctor of Physical
Therapy Program Massachusetts General Hospital Institute of
Health Professions (MGHIHP), Boston, MA
2010-Present Lecturer/Course Director, Human Neuroanatomy,
Simmons College, Boston, MA
2013-Present Lecturer, Prerequisites for the Health Professions, Center for
Interprofessional Studies and Innovation and Course Director,
Human Anatomy and Physiology 1 &2 Lecture and Lab (Online)
2014 Lecturer/Course Director Anatomy, Doctor of Occupational
Therapy Program, MGHIHP

Other Appointments/Activities

2010- Present Senior Fellow and Mentor Holmes Society,
Harvard Medical School-
Researcher, Wellman Institute of Medicine, Massachusetts General Hospital
Instructor, Anatomy for Graduate Students, Division of Medical Sciences,
Harvard Medical School
Course Content Educator, HarvardX, MCB80x Fundamentals in Neuroscience,
Department of Molecular and Cellular Biology, Harvard University and EdX and
Harvard EdPortal
2014- Member, Harvard Medical School Academy
2015- Invited Lecturer Progress Success, HMS Diversity Program

Academic and Professional Honors

- 1985-1987 Imperial Chemical Industries Student Bursary for Undergraduate Research
- 1987-1988 European Chiropractic Research Grant
- 1988-1990 Motor Neuron Disease Association (Great Britain and Ireland Research) Studentship
- 1991-1995 Training Fellowship, Formation de Chercheurs et le Recherche (FCAR, Quebec)
- 1992 McGill University Fellowship/Foreign Student Award, Neurofibromatosis Foundation, Medical Research Council (MRC), Canada
- 1996-2000 National Cancer Institute (NCI) Postdoctoral Fellowship, Tufts School of Medicine, Boston, MA
- 2001-2002 Aventis Fund Postdoctoral Fellowship, Dept of Cell Biology, Harvard Medical School, Boston, MA
- 2002-2004 National Cancer Institute (NCI) Postdoctoral Fellowship
- 2004- Department of Defense Idea Award (DoD) Postdoctoral Fellowship
- 2006 Nominee for 2006 Faculty Prize for Faculty Prize for Teaching Excellence, Harvard Medical School (Anatomy)
- 2007 Harvard Medical School Teaching Award (Anatomy)
- 2008 Harvard Medical School Teaching Award (Anatomy)
- 2010 Harvard Medical School Teaching Award (Anatomy)
- 2011 Harvard Medical School Teaching Award (Anatomy)
Harvard Medical School Teaching Award (Physiology)
Nominee, Harvard Medical School Donald O'Hara Faculty Prize for Excellence in Teaching (Years I & II).
- 2012 Harvard Medical School Teaching Award (Anatomy)
- 2013 Harvard Medical School Young Mentor Award Nominee
- 2015 2016 Nominee, Harvard Medical School Donald O'Hara Faculty Prize for Excellence in Teaching (Years I & II)

Partners in Excellence Award, Massachusetts General Hospital Institute for Health Professions (Anatomy and Physiology)

2016 Nominee, Harvard Medical School Donald O'Hara Faculty Prize for Excellence in Teaching (Years I & II)

Professional Societies

American Anatomical Society

American Association for Cancer Research

Association for Women in Science (Massachusetts Chapter)

Narrative Report of Research and Teaching

Research

My PhD research was in the field of Neurogenetics and involved the cloning of the neurofibromatosis tumor suppressor. In addition, to Neurogenetics my thesis involved substantial involvement in the fields of cancer biology, signaling and mouse cancer genetics. Studies conducted as a Postdoctoral Fellow extended my involvement in these areas and expanded my expertise into proteomics and cellular metabolism. In my current research, I continue to employ these technologies to identify useful cancer therapeutic targets using cancer genetics, biochemistry/molecular biology and proteomics methods. Recently, my research is focused on more translational methods and in optical imaging for detection of cancer.

Teaching

During my graduate years at McGill, I was involved in training of residents and fellows, a practice that I continued as an Instructor in the Department of Surgery at Children's Hospital in Boston and at Harvard Medical School. As a graduate student, I was a Neuroanatomy Demonstrator at McGill University Medical School for three years. At Harvard Medical School, I was a tutor/lab instructor/lecturer in the New Pathways Curriculum in Human Anatomy, Physiology and the Nervous System. In the HST Program I have lectured and instructed in the lab and with dissections. Recently, I expanded my skills to educating Physical and Occupational professional students and to students who use online education to advance their careers.

1989-1990 Anatomy instructor/tutor/research assistant Southampton University,

Anglo-European Chiropractic College, Bournemouth UK, 4
hours per week for 9 months

1991-1994 Neuroanatomy Demonstrator, McGill University, Montreal, Canada
3 hours, 5 days for 2 months

1994 Neuroanatomy Demonstrator, McGill University, Montreal, Canada
3 hours, 5 days for 2 months

Note: Institutional Affiliations for the Courses listed below are designated according to the following convention:

IN Harvard Medical School (IN 701, 707, 753, 751, 757
for years 1 and 2 medical/dental students)

BCMP Harvard Medical School Graduate Program (year 2 graduate, senior
undergraduate students)

HT Harvard-MIT (1st year medical students)

MIT MIT (senior undergraduate)

PTS Simmons College (2nd year Doctor of PT)

PTM MGH (2nd year Doctor of PT)

OTM MGH (1st year Doctor of OT)

HA&P MGH IHP HA&P1 and 2

PM&R Spaulding Hospital and MGH-Physical and Medical Rehabilitation Anatomy for
Residents

2005-2006 **IN701** Human Anatomy.

IN753 1 hour per day, 4 days per week for 6 weeks, Gross
Anatomy, Laboratory Instructor, 3 hours per day, 4 days
per week for 6 week

IN 707 Human Nervous System and Behavior, Tutor, 2 hours

IN757Neu per day, 3 days per week for 1.5 months

IN 712, 752 Human Physiology, Tutor, 1.5 hours per day, 3 days per week
for 6 weeks

2007 **MIT 7.17** Biotechnology III, Instructor, 5 hours per day, 5 days per
week for 5 months

AT501 HMS Elective Clinical Anatomy, Faculty and Core Planning Group,
Harvard Medical Group, 5 hours per day, 5 days per week, for
1 month (4^t year medical students)

IN753 Human Body, Tutor, 4 hours per week for 6 weeks, Laboratory
Instructor, 6-9 hours per week for 6 weeks

- IN752** Integrated Physiology, Tutor, 1.5 hours per day, 3 days per week for 6 weeks
- HT010** Functional Human Anatomy, Laboratory Instructor, 9 hours per week for 3.5 months
- IN757.Neu** Human Nervous System and Behavior, Tutor, 2 hours per day, 3 times per week for 7 weeks
- 2008-2010** Supervised a Research Assistant and a summer student in the science laboratory
- IN752** Integrated Human Physiology, Tutor, 1.5 hours per day, 3 times per week for 6 weeks
- IN751** Molecular Basis of Medicine, Tutor, 1 hour per day, 4-5 times per week for 6 weeks (2010)
- IN753** Human Body, Lecturer and Tutor, Histology Laboratory Instructor, Gross Laboratory Instructor, 10 hours per week for 6 weeks (2010)
- IN757Neu** Human Nervous System and Behavior, Tutor, 2 hours per day, 3 times per week for 6 weeks
- HT010** Human Functional Anatomy Laboratory, Instructor, 3 hours per day, 3 days per week for 4 months
- 2011**
- IN752** Integrated Human Physiology, Tutor, 1.5 hours per day, 3 days per week for 6 weeks
- PTS734** Human Neuroanatomy, Course Director, 3.5 hours of lecture and lab per week for 2 months
- PTM 620** Human Anatomy Laboratory, Instructor, 18 hours per week for 2 months
- IN753** Human Body Lecturer, Tutor, Laboratory Instructor, 5 hours per week for 6 weeks
- IN757 Neu** Human Nervous System and Behavior, Tutor, 4.5 hours per day, 3 times per week for 6 weeks
- HT010** Functional Human Anatomy, Lecture and Laboratory Instructor, 9 hours per week for 3.5 months
- BCMP235** Principles of Human Disease, Physiology and Pathology Course Director, 9 hours per week for 4 months
- 2012**
- HT010** Functional Human Anatomy, Lecture and Laboratory Instructor, 9 hours per week for 3.5 months

	PTS 734	Human Neuroanatomy, Course Director, 2 hours of lecture per week for 5 months
	PTM 620	Human Anatomy Laboratory, Instructor, 18 hours per week for 2 months
	304qc.	Cell Biology, Harvard Medical School. Introduction to Human Gross Anatomy, 15 hours per week for 2 months
2013	HT010	Functional Human Anatomy, Lecture and Laboratory Instructor, 9 hours per week for 3.5 months
	PTS 734	Human Neuroanatomy, Course Director, 2 hours of lecture per week for 5 months
	PTM 620	Human Anatomy Laboratory, Instructor, 18 hours per week for 2 months
	304qc.	Cell Biology, Harvard Medical School. Introduction to Human Gross Anatomy, 15 hours per week for 2 months
2014	HT010	Functional Human Anatomy, Lecture and Laboratory Instructor, 9 hours per week for 3.5 months
	PTS 734	Human Neuroanatomy, Course Director, 2 hours of lecture per week for 5 months
	PTM 620	Human Anatomy Laboratory Instructor, 18 hours per week for 2 months
	OTM	Clinical Anatomy Course Director for 6 hours of Lecture and Laboratory for 2 monthsc
	304qc.	Cell Biology, Harvard Medical School. Introduction to Human Gross Anatomy, 15 hours per week for 1 month
	HA&P	Human Anatomy and Physiology Lecture and Laboratory-Online for 11 months
	PM&R	Anatomy Course Director 24 hours for 3 days
2015	HT010	Functional Human Anatomy, Lecture and Laboratory Instructor, 9 hours per week for 3.5 months
	PTS 734	Human Neuroanatomy, Course Director, 2 hours of lecture per week for 5 months

	PTM 620	Human Anatomy Laboratory Instructor, 18 hours per week for 2 months
	304qc.	Cell Biology, Harvard Medical School. Introduction to Human Gross Anatomy, 15 hours per week for 1 month
	HA&P	Human Anatomy and Physiology Lecture 1&2 and Laboratory 1&2 2-Online for 12 months
	PM&R	Anatomy Course Director 24 hours for 3 days
2016	PTS 734	Human Neuroanatomy, Course Director, 2 hours of lecture per week for 5 months
	304qc.	Cell Biology, Harvard Medical School. Introduction to Human Gross Anatomy, 15 hours per week for 1 month
	HA&P	Human Anatomy and Physiology Lecture 1&2 and Laboratory 1&2 2-Online for 12 months
	PM&R	Anatomy Course Director 24 hours for 3 days

Publications

Goto J, Figlewicz DA, **Lutchman M**, Ruddle F, Rouleau GA. PvuII, A. RFLP at the HOX 1.4 homeobox locus (HOX1D). Nucleic Acids Research 1991. 19: 3755.

Rouleau, GA, Merel P*, **Lutchman M***, Sanson M*, Zucman J, Marineau C, Hoang-Xuan, K, Desmaze C, Plougastel B, Pulst S, Lenoir G, Biljsma E, Fashold R., Dumanski, JP, Parry, D, Eldridge R, Aurias A, Delattre O, and Thomas G. Alteration in a membrane-organizing protein in neurofibromatosis type 2 (***equal contribution**) Nature 1993. 363: 515-521.

Sanson, M, Marineau C, Desmaze C, **Lutchman M**, Rutledge MHR, Baron C, Narod SA, Delattre O, Lenoir G, Thomas G, Aurias A, and Rouleau GA. A germline deletion in a neurofibromatosis type 2 kindred inactivates the NF2 gene and a candidate meningioma locus Human Molecular Genetics 1993. 2: 1215-1220.

Lutchman M, and Rouleau GA. The Neurofibromatosis type 2 gene product, schwannomin, suppresses growth of NIH 3T3 cells. *Cancer Research* 1995. 55: 2270-2274.

Claudio JO, **Lutchman M**, and Rouleau GA. Widespread expression of SCH in mouse tissues. *Neuroreport* 1995. 6: 1942-1946.

Sainio MA, Zhou F, Haska L, Turunen O, den Bakker M, Zwartoff E, **Lutchman M**, Rouleau, GA, Jaasklainen J, Vaheri A, and Carpen O. Neurofibromatosis type 2 (NF2) tumor suppressor protein colocalizes with ezrin and CD44 and associates with actin-containing cytoskeleton. *J. Cell Science* 1997. 110: 2249-2260.

Hassoun H, Wang, Y, Vassiliades J, **Lutchman M**, Palek J, Aish L, Aish IS, Liu SC, Chishti AH. Targeted inactivation of murine band 3(AE1) gene produces a hypercoagulable state causing widespread thrombosis in vivo. *Blood* 1998. 92;1785-1792.

Kim, A, Van Huffel, C, **Lutchman M**, and Chishti AH. Radiation Hybrid Mapping of EPB41L1, a Novel protein 4.1 Homologue to Human Chromosome 20q11.2-q12. *Genomics* 1998, 49, 165-166.

Hassoun H, Hanada T, **Lutchman M**, Sahr K, Palek J, Hanspal M, and Chishti AH. Complete deficiency of glycophorin A in red blood cells from mice with targeted inactivation of the Band 3 (AE1) gene *Blood* 1998. 91:2146-2151.

Azim AC, Kim AC, **Lutchman M**, Andrabi S, Peters LL, and Chishti AH. cDNA sequence, genomic structure and expression of the mouse dematin gene (EPB4.9) *Mammalian Genome* 1999. 10:1026-1029.

Lutchman M, Pak S, Kim, AC, Azim A, van Huffel C, Zhuang Z, and Chishti, AH.

Loss of Heterozygosity on chromosome 8p in prostate cancer implicates a role for dematin in tumor progression. *Cancer Genetics and Cytogenetics* 1999. 115:65-69.

Huang, S, Lichtenauer UD, Pak S, Wang C, Kim AC, **Lutchman M**, Huang S-H, Benz EJ, Dockhorn-Dworniczak B, Poremba C, Vortmeyer A, Chishti AH, Chishti AH., and Zhuang Z. Reassignment of protein 4.1R gene to 1p36 and mutation analysis suggest a

candidate tumor suppressor for neuroblastomas. *European J Clinical Investigation* 2001. 21:907-914.

Lutchman M, Kim AC, Boukharov AA, Oh SS, and Chishti AH. Erythroid dematin binds to the Dbl homology domain of the RAS guanine nucleotide exchange factor. *European Journal of Biochemistry* 2002. 269:638-649.

Skaletz-Rorowski A*, **Lutchman M***, Kureishi Y, Lefer DJ, Faust, JR and Walsh K. HMG-CoA reductase inhibitors promote cholesterol-dependent Akt/PKB translocation to membrane domains in endothelial cells. (***equal contribution**) *Cardiovasc Res.* 2003 57:253-64.

Du M, Fan X, Hanada T, Gao H, **Lutchman M**, Brandsma JL, Chishti AH And Chen, JJ. Association of cottontail rabbit papillomavirus E6 oncoproteins with the hDlg/SAP97 tumor suppressor. *J Cell Biochem.* 2005. 94:1038-45.

Mukhopadhyay NK, Ferdinand AS, Mukhopadhyay L, Cinar B, **Lutchman M**, Richie JP, Freeman MR and Liu BS. Unravelling androgen receptor interactomes by an array-based method: Discovery of proto-oncoprotein c-Rel as a negative regulator of androgen receptor *Experimental Cell Research Exp Cell Res.* 2006. 312:3782-95.

Jindal HK, Yoshinaga K, Seo PS, **Lutchman M**, Dion PA, Rouleau GA, Hanada and Chishti AH. Links Purification of the NF2 tumor suppressor protein from human erythrocytes. *Can J Neurol Sci.* 2006.33:394-402.

Mukhopadhyay N, Cinar B, Mukhopadhyay L, **Lutchman M**, Ferdinand AS, Chung LWK, Ray S, Leiter AB, Richie JP, Freeman MR and Liu BS. A novel RAS-responsive zinc-finger protein RREB-1 negatively modulates the transcriptional activity of androgen receptor in human prostate cancer cells. *Molecular Endocrinology* 2007. 21:2056-2070.

Cinar B, Fang PK, **Lutchman M**, Di Vizio D, Adam RM, Pavlova N, Rubin MA, Yelick PC and Freeman MR. The pro-apoptotic kinase Mst1 and its caspase cleavage products are direct inhibitors of Akt1. *EMBO J.* 2007. 26:4523-34.

Lee RS, **Lutchman M**, Monigatti F, Budnik B, Patterson T, Nguyen HT, Steen JA, Freeman MR and Steen H. Defining the Temporal Variations of the Postnatal Rat Urinary Proteome Proteomics 2008. 8:1097-1112.

Reviews

Belliveau M, **Lutchman M**, Claudio JO, and Rouleau GA. Schwannomin: New insights into this member of the band 4.1 superfamily. Biochemistry and Cell Biology 1995. 73:733-737.

Lutchman M, and Rouleau GA, Neurofibromatosis type 2: A novel mechanism in tumor suppression. Trends in Neurosciences 1996.19:373-377.

Chishti A, Kim AC, Marfatia SM, and **Lutchman M**, The FERM domain: A unique module involved in the linkage of cytoplasmic proteins to the membrane. Trends in Biochemical Sciences 1998. 23:281-282.

Thesis and Dissertations

PhD Neuroscience Thesis

Cloning and Characterization of the Neurofibromatosis Type 2 Gene.
Graduate Program in Neurology/Neurosurgery, McGill University, Montreal, Canada
1995, National Library of Canada.

Thesis advisor: Dr Guy A Rouleau, Director of the Neurogenetics Institute, University of Montreal.

MSc Neuroscience Dissertation

Biochemical and Cell Biological Analysis of the Phosphorylated Neurofilament subunits in Neurodegenerative disease.

Department of Neurology, Kings College, University of London, UK, 1990.

BSc Honours Dissertation

The Effects of the aldose reductase inhibitor, Statil (ICI) on renal glomerular basement membrane. An Electron-Microscopic and Stereological Analysis.
Department of Anatomy, Faculty of Medicine. Aberdeen University, Scotland UK, 1987

Book Chapters

Prostate Cancer Biology, Genetics, and the New Therapeutics 2nd ed., Humana Press 2007. Chung, Leland W. K.; Isaacs, William B.; Simons, Jonathan W. (Eds.), Preface: Donald Coffey MD Chapter 8: Cholesterol, Cell Signaling and Prostate Cancer. **Mohini Lutchman**, Keith R. Solomon, and Michael R. Freeman

Presentations

Lutchman M, Figlewicz D and Rouleau GA.
In Pursuit of the ALS gene
Motor Neuron Disease Association of Great Britain and Ireland
Birmingham, UK 1991 (Invited Speaker)

Lutchman M and Rouleau GA.
A germline deletion in a large NF2 family in the candidate NF2 and meningioma locus
Oxford UK 1992 (Invited Speaker)

Lutchman M and Rouleau GA
NF2 and the cytoskeleton
3rd Winternational Synposium on the Cytoskeleton
Lac DuLage, Quebec 1995 (Invited speaker)

Abstracts

Lutchman M, Breen A, Fitzsimmons S.
Sensory Innervation of the lumbar intervertebral disc.
Brain Research Organization, Sheffield, UK 1988.

Lutchman M and Mayhew T.
Experimental Diabetes in the kidney. Treatment with an aldose reductase inhibitor, Statil. The Anatomical Society of Great Britain and Ireland, Scotland, UK 1988.

Lutchman M, and Rouleau GA.

Cloning of a novel cDNA in the NF2 locus.

Cancer Genetics Meeting, American Association for Cancer Research 1992.

Lutchman M, Ruttledge MH, Collins VP and Rouleau GA.

Molecular Genetics and Mutation Analysis of NF2 families and sporadic NF2 cases.

National Neurofibromatosis Foundation, Strasbourg, France 1993.

Lutchman M and Rouleau GA

Cloning and characterization of the NF2 gene.

National Neurofibromatosis Foundation, Ann Arbor Michigan 1993.

Lutchman M, and Rouleau GA.

Patterns of Expressions of the NF2 gene product in normal tissues and tumors.

LIX Symposium Cancer Genetics, Cold Spring Harbor 1994.

Lutchman M, Ruttledge MH and Rouleau GA.

Neurofibromatosis type 2 (NF2) protein is a functional member of the ERM family.

Consortium on the Molecular Biology of NF1 and NF2, SnowMass Colorado 1995.

Lutchman M and Rouleau GA.

Tumor Suppressor Function of NF2.

International Consortium on the Molecular Genetics of NF1 and NF2 Philadelphia 1996.

Lutchman M and Rouleau GA.

Expression of the NF2 gene product, schwannomin, in NF2 associated and sporadic tumors: a genotype-phenotype correlation.

Cancer Genetics and Tumor Suppressors Cold Spring Harbor 1996.

Lutchman M, and Chishti AH.

Characterization of the discs large tumor suppressor, hDLG, band 4.1 complex in the plasma membrane.

37th American Society of Cell Biology, Washington DC 1997

Lutchman M, Pak S, Kim A, Azim A, van Huffel C, Zhuang Z and Chishti AH. Loss of Heterozygosity on chromosome 8p in prostate cancer implicates a role for dematin in tumor progression. 40th American Society of Hematology and Oncology, South Beach Florida, 1998.

Lutchman M, Albrecht S, and Rouleau GA. Pattern of Expression of Schwannomin in human tissues and tumors. 38th American Society of Cell Biology San Francisco 1999.

Lutchman M, Manis J, Guimaraes A, Yang A, Alt F and McKeon F. Reconstitution of the p53 family members in RAG 2^{-/-} mice. Cooperation in proliferation and cell death. 2nd p53 Symposium, Barcelona, Spain, 2002.

Estrada CR, Adam RM, Eaton SH, **Lutchman M**, and Freeman MR. Inhibition of epidermal Growth Factor Receptor Signaling Attenuates Detrusor Muscle Proliferation in bladder over-distention. American Association of Pediatrics Atlanta, 2005.

Nguyen HT, Boggavarapu K, **Lutchman M**, and Adam RM. Mechanical Stretch Induces E-Cadherin Cleavage and Nuclear Trafficking. American Association of Pediatrics, Atlanta, 2006.

Lee RS*, **Lutchman M**, Nguyen HT, Freeman MR and Steen H. Temporal analysis of the rat urinary proteome as a window into kidney maturation. The Identification of Urinary Biomarkers of Renal Development Using Proteomic Analysis in a Rat model. American Urology Association, 2006.

Lee RS, Monigatti F, **Lutchman M**, Steen J, Freeman MR, and Steen H. The proteomic analysis of rat urine as a discovery method of urinary biomarkers of postnatal maturation and renal obstruction. New England American Urology Association, Rhode Island, 2006.

Lee RS, **Lutchman M**, Monigatti F, Budnik B, Patterson T, Briscoe A, Waldon Z, Hekking B, Steen J, Freeman MR and Steen H. Temporal Analysis of the rat urinary proteome as a window into kidney maturation. American Society of Mass Spectrometry Seattle, 2006.

Waldon ZO, Kirchner M, Bonowski F, Lin YY, **Lutchman M**, Hamprecht FA, Steen H, and Steen J.

The Discriminatrix: A System for Discovering Microbial Biomarkers.

Proceedings of the 54th ASMS Conference on Mass Spectrometry and Allied Topics
2006