CURRICULUM VITAE/University of Pittsburgh School of Medicine

Rama K. Mallampalli, MD
11/01/2017

I. EDUCATIONAL AND PROFESSIONAL HISTORY

A. Higher Education

1977-80	B.S. (Biology and Chemistry)	Northland College, Ashland, WI
1980-84	M.D.	University of Wisconsin Medical School

Postgraduate Medical Education

1984-87	Intern & Resident in Internal Medicine	Hennepin County Medical Center, University of Minnesota, Minneapolis, Minnesota
1987-88	Chief Resident in Internal Medicine	Hennepin County Medical Center, University of Minnesota, Minneapolis, Minnesota
1988-91	Fellow in Pulmonary Diseases & Critical Care Medicine	Department of Internal Medicine, University of Iowa Hospitals and Clinics, Iowa City

Certification

Board	Number	Date	Recertification
Diplomate, National Board of Medical Examiners, Part I		1982	
Part II		1984	
Part III		1985	
American Board of Internal Medicine	113228	1987	(indefinite)
ABIM, Subspecialty Boards in Pulmonary Diseases	113228	1990	2002/2012-2022
ABIM, Subspecialty Boards in Critical Care Medicine	113228	1991	2003/2017-2027
Certified Advanced Cardiac Life Support	SCIBB92441B9FE1	3/21/12	01/28/2016
Certified Advanced Trauma Life Support	30200	1991	

Licensure

State	Date	Perm/Temp	Renewal Date
Minnesota	7/16/85	Perm	Expired
Iowa	6/16/88	Perm	12/01/2014
Pennsylvania	11/06/09	Perm	12/31/2018

DEA #BM3229158 (Fed), #1233836 (IA)

B. Professional and Academic Positions

1. Academic

1991-92	Associate	Department of Internal Medicine, Division of Pulmonary Diseases, Critical Care, & Occupational Medicine University of Iowa College of Medicine, Iowa City, IA
1992-98	Assistant Professor	Department of Internal Medicine, Division of Pulmonary Diseases, Critical Care, & Occupational Medicine University of Iowa College of Medicine, Iowa City, IA
1992 - 2009	Staff Physician	Veterans Affairs Medical Center, Iowa City, IA
1998 – 2003	Associate Professor with tenure	Department of Internal Medicine, Division of Pulmonary Diseases, Critical Care, & Occupational Medicine University of Iowa College of Medicine, Iowa City, IA
2002 – 2003	Associate Professor	Department of Biochemistry, University of Iowa College of Medicine, Iowa City, IA
2003 – 2009	Professor	Departments of Medicine & Biochemistry, Division of Pulmonary Diseases, Critical Care, & Occupational Medicine University of Iowa College of Medicine, Iowa City, IA
2009-present	Professor and UPMC Endowed Chair in Acute Lung Injury (with tenure, 2010)	Department of Medicine, Division of Pulmonary, Allergy, and Critical Care Medicine, University of Pittsburgh, Pittsburgh, PA
2009-present	Inaugural Director, Acute Lung Injury Center of Excellence of the University of Pittsburgh	Department of Medicine, Division of Pulmonary, Allergy, and Critical Care Medicine, University of Pittsburgh, Pittsburgh, PA
2010-present	Professor	Departments of Cell Biology and Physiology (secondary, 2010), Bioengineering (2014), University of Pittsburgh, Pittsburgh, PA

Administrative

2015-pres	Division Chief, Pulmonary, Allergy, and Critical Care Medicine	Department of Medicine, University of Pittsburgh School of Medicine
2013-2015	Vice Chair for Research	Department of Medicine, University of Pittsburgh School of Medicine

2009-2013	Pulmonary Division Chief	Veterans Affairs Pittsburgh Health Care System
2008-2009	Associate Chair for Faculty Promotions & Tenure	Department of Medicine University of Iowa College of Medicine
2000-2008	Director, Pulmonary Research Seminar Series	Division of Pulmonary Diseases & Critical Care, University of Iowa

C. Honors and Awards

Year	Honor
1980	Summa Cum Laude, Northland College
1980	Hagenah Science Prize, Northland College
1989-91	National Research Service Award, National Institutes of Health
1995-00	Clinician Scientist Award, American Heart Association (Declined)
1995-00	Clinical Investigator Award (K08), NIH/NICHD (Declined)
1996-01	FIRST Award, National Institutes of Health/NHLBI
1997	Election to the Society for Pediatric Research (SPR)
1998	Established Investigator, American Heart Association
1999	Career Investigator, American Lung Association
1998-pres	MERIT Review Award, Veteran's Administration
2005	Election to the American Society for Clinical Investigation (ASCI)
2008	Distinguished Alumnus Awardee (2nd), Hennepin County Medical Center, Minneapolis, MN
2011	Election to the Association of American Physicians (AAP)
2014	Pitt Innovator Award, University of Pittsburgh
2014	American Thoracic Society (ATS) Recognition Award for Scientific Accomplishments
2016	Harrington Scholar-Innovator Award, Harrington Discovery Institute

II. TEACHING ASSIGNMENTS

Classroom, Seminar, Teaching Laboratory

1993-2002	Sunrise Seminar
1992-2009	Introductory Summer Seminars (Pulmonary Fellows)
1994	Medical Biochemistry Course: "Clinical Applications of Surfactant Therapy"
1995-2009	ABG's/PFT's-Medicine Interns and Residents
1997-2001,2003	Foundations of Clinical Practice III (2-hrs, PE Skills)
1999-2003	Foundations of Clinical Practice III-IV (Clinician Mentor)
2003	Core Pulmonary Conference: Developmental & Congenital lung Anomalies
2005	Foundations of Clinical Practice IV (PFTs Lecture)
2005	Core Pulmonary Conference: Unusual Lung Diseases
2004-05	099:261 Research Techniques (Biochemistry)
2005-06	099:115 Research Independent Study Course (Biochemistry)

2006	99:237 Special Topics: Biochemical Basis of Human Disease (Biochemistry)
2006	Core Pulmonary Conference: Developmental & Congenital lung Anomalies
2007,08	Intro to Pulmonary Research: DNA Engineering
2009-2011	PACCM Grant Writing Workshop
2009-2014	K to R Grant Writing Seminars

Clinical Teaching (in ward, clinic, or operating room)

(year)	(where teaching occurred)	(wks./year)	(hrs./wk.)
1993, 95	Introduction to Clinical Medicine	6	6
1994-99	Pulmonary Inpatient Unit (UIHC/VAMC)	8	40
1995-97	Medicine Intensive Care Unit (MICU)	4	25
1995-2005	Pulmonary Outpatient Clinic/Bronchoscopy (Ottumwa Regional Health Care Center, Ottumwa, IA)	4	6
1996-2002, 2005	Intermediate Pulmonary Care Unit (IPCU)	4-8	20
1997-present	Pulmonary Bronchoscopist, Consultant, and Inpatient Staff (VAMC/VAPHS)	8	20
1997, 2000-2002	Clinician-Mentor: Introduction to Clinical Disciplines	6	4
2005-2009	Pulmonary Outpatient Clinic/UIHC	1	1
	Pulmonary Outpatient	50	4
2009-pres	Pulmonary Clinic, Consults, and MICU/VAPHS		5

A. Trainee supervision and committees

Postdoctoral Fellows:

Name: James L. Carroll, M.D. Dates: 2000-02
Objective: Regulation of Surfactant Lipid Biosynthesis
Outcome: 2 manuscripts, 3 research grants awarded including NIH K08
Present Position: Associate Professor, Dartmouth University

Name: Matthew Brian Hartz, M.D. Dates: 2003-04
Objective: Role of Glycogen Synthase Kinase-3 in Regulating Surfactant
Outcome: 1 first author abstract
Present Position: Private Practice, St. Paul, MN

Name: Zhiwei Xu, Ph.D Dates: 2003-05
Objective: Regulation of Ceramide Synthase Activity
Outcome: 2 manuscripts published (1 first author)
Present Position: Senior Research Associate, Indiana University SOM

Name: Florita Henderson, M.D Dates: 2005-09

Objective: Regulation of Phospholipid Synthesis in Bronchogenic Cancer
Outcome: 3 manuscripts published (1 first author)
Present Position: Private Practice, Ottumwa, IA

Name: Yanghong Wu, M.D., Ph.D Dates: 2005-06
Objective: *P. aeruginosa* Processing of Cytidylyltransferase
Outcome: 2 manuscripts published (1 first author)
Present Position: Postdoctoral Research, U of Iowa

Name: Vennalaganti Prasanth, M.D., Dates: 2006-2007
Objective: Prostaglandin Regulation of Surfactant Synthesis in Asthma
Outcome: 1 coauthor manuscript
Present Position: Postdoctoral Fellow, University of Kansas School of Medicine

Name: Olga Rudomiotov, M.D., Dates: 2007-08
Objective: *H. Influenza* control of the lipid pump, ATP8B1 mRNA expression
Outcome:
Present Position: Private Practice, St. Louis, MO

Name: Tuhin Das, Ph.D., Dates: 2010-2011
Objective: Cardiolipin synthase regulation
Outcome: 1 coauthor manuscript published
Present Position: Postdoctoral fellow, University of South Florida

Name: Michelle Manni, Ph.D., Dates: 2011-2012
Objective: Cardiolipin synthase regulation
Outcome: 1 coauthor manuscript, Parker B. Francis Awardee
Present Position: Assistant Professor, University of Pittsburgh

Name: Matthew Synan, M.D. Dates: 2011-2013
Objective: Role of F box proteins in regulating mitochondrial function
Outcome: 2 abstracts, 1 coauthor manuscript
Present Position: Private Practice, St. Margarets Hospital, Pittsburgh, PA

Name: Jing Zhao, M.D., Ph.D., Dates: 2011-2014
Objective: Regulation of ST2L-IL-33 axis by F box proteins
Outcome: AHA Scientist Development Grant and R01 awardee, 1st author *Nat. Immunology*
Present Position: Associate Research Professor, University of Pittsburgh

Name: Nathaniel Weathington, M.D./Ph.D. Dates: 2012-pres
Objective: Role of F box proteins in regulating IL-22 signaling
Outcome: 3 reviews published, 1 first author publication, NIH K08 Awardee
Present Position: Assistant Professor, University of Pittsburgh

Name: Joseph Bednash, M.D. Dates: 2013-pres
Objective: Role of small molecule inhibitors in regulating deubiquitination
Outcome: 1 first author manuscript
Present Position: Internal Medicine Resident, Clinical Fellow/Physician-Scientist Track, University of Pittsburgh

Name: Seunghye Han, M.D. Dates: 2013-2016
Objective: Role of F box proteins in regulating inflammasome signaling
Outcome: 3 abstracts, 4 review papers published, AHA awardee
Present Position: Instructor, Northwestern University

Name: Yuan Liu, Ph.D. Dates: 2014-pres
Objective: Role of F box proteins in regulating mitochondrial function
Outcome: 2 abstracts, 3 manuscripts published, AHA Scientist Development Grant
Present Position: Assistant Professor, University of Pittsburgh

Name: James Londino, Ph.D. Dates: 2014-pres
Objective: Role of protein ubiquitination in regulating Sirp1 signaling
Outcome: 2 first author manuscripts
Present Position: Postdoctoral Fellow, University of Pittsburgh

Name: John Evankovich, M.D. Dates: 2015-pres (co-mentor)
Objective: Role of F box proteins in regulating apoptosis
Outcome: 1 first author manuscript
Present Position: Clinical Fellow, University of Pittsburgh

Name: Qin Wu, M.D., PhD, Dates: 2014-2015
Objective: Role of F box proteins in regulating NDPK
Outcome: 1 first author manuscript
Present Position: Cell and Tissue Engineering, College of Life Science and Technology, Jinan University, Guangzhou, China

Name: Xiuying Li, M.D., PhD, Dates: 2014-2015
Objective: Role of ubiquitination in regulating histones
Outcome: 1 first author manuscript
Present Position: Cell and Tissue Engineering, College of Life Science and Technology, Jinan University, Guangzhou, China

Name: Tomeka Suber, M.D. Dates: 2015-pres (co-mentor)
Objective: Role of GSK3 in regulating pulmonary function
Outcome: 1 first author manuscript
Present Position: Clinical Fellow, University of Pittsburgh

Name: Michael O'Brien, M.D. Dates: 2016-pres
Objective: Role of ubiquitin E3 ligases in COPD and critical illness myopathy (co-mentor)
Outcome:
Present Position: Clinical Fellow, University of Pittsburgh

Name: Louis Vuga, M.D., MPH Dates: 2015-16
Objective: Role of Fbxo16 and E2F8 in regulating pulmonary fibrosis (co-mentor)
Outcome: 1 senior authored publication; NIH R03 awarded
Present Position: Program Officer at National Heart, Lung, and Blood Institute, NIH

Name: Shreya Kanth, M.D., Dates: 2015-16
Objective: Role of IL-25 in regulating immunity (co-mentor)
Outcome: 1 authored manuscript submitted

Present Position: Pulmonary Fellow, National Institutes of Health NHLBI

Name: Jane Jones, M.D. Dates: 2017-pres (F32 committee member)
Objective: Bik/Bcl-2 in regulating pulmonary inflammation
Outcome: 2 first author manuscripts
Present Position: Post-doctoral fellow, University of New Mexico/Lovelace Respiratory Research Institute

Name: Divay Chandra, M.D. Dates: 2016-pres (co-mentor)
Objective: Oxidized LDL on in regulating pulmonary inflammation
Outcome:
Present Position: UPMC Clinical Instructor, University of Pittsburgh

Name: Xingan Wang, Ph.D. Dates: 2016-pres (mentor)
Objective: Necroptosis in ischemia reperfusion injury in lung transplant
Outcome:
Present Position: Assistant Professor, University of Pittsburgh

Name: Elizabeth Lendermon, M.D. Dates: 2016-pres (co-mentor)
Objective: Azithromax on regulating inflammasomes
Outcome: 1 manuscript submitted
Present Position: UPMC Clinical Instructor, University of Pittsburgh

Graduate Students:
Bill Chen (Biochemistry, *Thesis Advisor*) 2005-08, *Degree Conferred*, 12/2008, University of Iowa; Present Position: Tenured Associate Professor, U. of Pittsburgh
Li Zhang (Biochemistry) 2005, (Lab Rotation Student) University of Iowa
Philip Butler (Biochemistry, *Thesis Advisor*) 2006-10, *Degree Conferred*, 05/2010, University of Iowa; Present Position: Post-doctoral trainee, U. of Iowa
Jon Zuk (Biochemistry) 2008, (Lab Rotation Student) University of Iowa
Samantha K. Seaberg, 2010, (Lab Rotation Student) University of Pittsburgh
Wei Chen, 2013-14, (Lab Rotation Student)
Miranda Culley, 2015 (Lab Rotation Student) University of Pittsburgh MSTP
Shuo Cao, MPH, CPH 2017 (PhD candidate), University of Pittsburgh

Medical Students:
Ben Sweet, 2009, University of Iowa
Michael Mousa, 2007, University of Iowa
Christopher Schuster, 2007, University of Iowa
Sarah Miller 2002-03, University of Iowa
Charles Longo 1997, University of Iowa
Denise Tyler 1997, University of Iowa
Ying Gao, 2013, Tsinghua University, China
Joseph Franz, 2014, 2016, George Washington University

Undergraduates:
Kurt Fisher, University of Northern Iowa 2003-04 (MSTP, U of Nebraska)
Laura Meinders, University of Iowa 2002
Cara Zimmerman, University of Iowa 2003-05 (Medical Student, U of Iowa)

Laura Hale, University of Notre Dame 2004
Matt Andrews, University of Iowa 2005-06
Christine Scott, University of Iowa 2006-07
Gary Hammen, University of Iowa 2006-08 (MSTP, Washington U)
Elizabeth Schryver, University of Iowa 2007-2008
Catlin Miller, University of St. Thomas 2007 (U of Iowa Dentistry)
Christopher Etscheldt, Luther College 2007-08 (Medical Student, U of Iowa)
Renee Koessler, University of Iowa 2008 (Research Assistant, U of MN)
Benjamin Kolner, Iowa State University 2008 (Physician's Assistant, Iowa)
Rebecca Coe, University of Iowa 2009 (Medical Student, U of Iowa)
Alex Lagneaux, University of Iowa 2009 (Medical Student, U of Iowa)
Peter Schmeiser, Purdue University 2009
Tiffany Coon, University of Pittsburgh 2010-2011
Mounif Rifkah, University of Pittsburgh 2010
Marina Lukac, University of Pittsburgh 2010-2011
Vimesh Tambi, University of Pittsburgh 2011
Sarah Braun, University of Pittsburgh 2011-2012
Courtney Snavely, University of Pittsburgh 2011-2012
Rebecca Smith, University of Pittsburgh 2011-12 (Medical Student, Temple U)
Claire Wang, University of Pittsburgh 2012-2013
Sarah Dunn, University of Pittsburgh 2012-pres
Matthew Cognetti, University of Pittsburgh 2012-2013 (Medical Student, LSU)
Olivia Iannone, University of Pittsburgh 2013-15
Jake Jerome, University of Pittsburgh 2013-15 (MSTP, Medical Student, U Pitt)
Robert Fort, Case Western Reserve Univ 2014-2015 (Medical Student, Penn State)
Stephanie Schlebusch, University of Pittsburgh 2015-16
Drew Cantor, University of Pittsburgh 2015-15
Marysa Scalia, University of Pittsburgh 2016-pres
Karina Lockwood, University of Pittsburgh 2016-pres
Allison Oddi, University of Pittsburgh 2016-pres
Zoe Co, University of Pittsburgh 2016-pres
Jeremy Wang, University of Pittsburgh 2016-17
Kathryn Grobengieser, Univ of Pittsburgh 2017-pres
Allison Oddi, Univ of Pittsburgh 2017-pres
Priyanka Baireddy**,** Univ of Pittsburgh 2017-pres
Clay Martin, Washington/Jefferson College 2017

High School: Melody Singh 2006-08

B. Other teaching contributions

Institutional Conferences, Grand Rounds, Journal Clubs, Etc.

1995-2009	Summer Introductory Seminar "Mechanics of PFTs – Pulmonary Fellows
1995-2000	Sunrise Seminar
1995-2009	Pulmonary Research Conference
1994-2009	ABGs/PFTs—Medicine Interns and Residents
1994	Department of Medicine Grand Rounds
1995	Critical Care Conference
1996	Department of Medicine Staff Conference

2002	Department of Medicine Staff Conference
2002	Department of Biochemistry Research Seminar
2003	Department of Biochemistry Research Retreat
2004	Department of Biochemistry Research Workshop
2005	Department of Biochemistry Research Workshop
2005	Veteran's Administration Grand Rounds
2005	Department of Physiology & Biophysics Research Workshop
2006	Department of Biochemistry Research Workshop
2007	Department of Medicine Grand Rounds
2008	Anatomy and Cell Biology Departmental Seminar
2010	Division of Endocrinology & Metabolism, Dept. Medicine, U of Pittsburgh
2010	Department of Cell Biology & Physiology, U of Pittsburgh
2010	Department of Environmental and Occupational Health, U of Pittsburgh
2011	Children's Hospital of Pittsburgh, Department of Pediatrics, U of Pittsburgh
2011	Department of Critical Care Medicine, U of Pittsburgh
2012	Department of Medicine Grand Rounds, "Update on the Pathobiology and Treatment of ARDS"
2013	UPMC McKeesport Internal Residency Program Workshop: "A Pathway of Biomedical Research In Academia"
2014	PACCM Grand Rounds, "The Immunobiology of Sepsis-A Time for New Strategies?"
2014	Pitt Signaling Club, U of Pittsburgh
2014	Molecular Biophysics/Structural Biology Seminar, U of Pittsburgh
2015	Molecular Medicine Research Series, Children's Hospital of Pittsburgh, U of Pittsburgh
2016	Transplantation Biology Seminar, Thomas E. Starzl Transplantation Institute, University of Pittsburgh
2017	Renal Grand Rounds

Teaching Committees:

2004-05, 2006, 2008	Biochemistry Advisory Committee (099:261 Research Techniques)

Thesis or Comprehensive Committees:

Ling Song, Ph.D (2006). candidate U of Iowa Dept of Biochemistry
Bryan Allen, (MSTP)(2006), Ph.D. candidate, U of Iowa Dept of Biochemistry
Ross Ridsdale, Ph.D. (2005) candidate, U of Toronto Institute of Medical Sciences
Stan Sedore, (MSTP), Ph.D. candidate, U of Iowa Dept of Biochemistry
Patricia Kimani, Ph.D. candidate, U of Iowa Program in Molecular Biology
Xiao Peng, Ph.D. candidate, U of Iowa Dept of Biochemistry
Jon Zuk, Ph.D. candidate, U of Iowa Molecular and Cellular Biology Program
Elizabeth Delorme-Axford, U of Pittsburgh, Cell Biology & Molecular Physiology

Lorissa Niebergall, U of Alberta Department of Biochemistry, School of Molecular & Systems Medicine

NIH K08 Mentoring Committees:
Murali Ramaswamy, M.D. (Internal Medicine, Assistant Professor, University of California, San Diego)
Isaac Samuels, M.D. (General Surgery, Assistant Professor, University of Iowa)
Toru Nyunoya, M.D. (Internal Medicine, Assistant Professor, University of Iowa)
Dawn Flaherty, M.D. (Internal Medicine, Assistant Professor, University of Iowa)
Kevin Glen, M.D. (Internal Medicine, Assistant Professor, University of Iowa)
David Stolz, M.D. (Internal Medicine, Assistant Professor, University of Iowa)
Alejandro Comellas, M.D., (Internal Medicine, Assistant Professor, University of Iowa)
Naveen Gupta, M.D., (Internal Medicine, Assistant Professor, University of Pittsburgh)
Michael Stang, M.D., (General Surgery, Assistant Professor, University of Pittsburgh)
Louis Vuga, M.D. (Internal Medicine, Assistant Professor, University of Pittsburgh)

NIH K08→R01 Faculty Mentoring Committees:
Brian McVerry, M.D. (Internal Medicine, Assistant Professor, University of Pittsburgh)
Yvonne Chan, M.D. (Internal Medicine, Assistant Professor, University of Pittsburgh)
McGarry Houghton, M.D. (Internal Medicine, Associate Professor, University of Washington, Seattle)
Tim Corcoran, Ph.D. (Medicine, Assistant Professor, University of Pittsburgh)
Mauricio Rojas, M.D. (Medicine, Assistant Professor, University of Pittsburgh)
Danny Kass, M.D. (Medicine, Assistant Professor, University of Pittsburgh)
Yutong Zhao, M.D., Ph.D., (Medicine, Associate Professor, University of Pittsburgh)
Anna Mora, M.D. (Medicine, Assistant Professor, University of Pittsburgh)
Jaideep Behari, M.D. (Medicine, Assistant Professor, (GI) University of Pittsburgh)
Roderick Tan, M.D., Ph.D (Medicine, Assistant Professor (GI), University of Pittsburgh)
David Levinthal, M.D.,Ph.D (Medicine, Assistant Professor (Renal), University of Pittsburgh)
Jessica Bon, M.D. (Medicine, Assistant Professor, University of Pittsburgh)
Kristin Veraldi, M.D. (Medicine, Assistant Professor, University of Pittsburgh)
Ming-Hui Fan, M.D. (Medicine, Assistant Professor, University of Pittsburgh)
Louis Vuga, M.D. (Internal Medicine, Assistant Professor, University of Pittsburgh)

Medical Student Counseling:
Arvind Reddy, M3 7/1994
Sunil Bansil, M2 5/1995

Formal Study to Improve Teaching Abilities:
1992 25 CME credits
1993 28 CME credits
1994 40 CME credits
1995 41 CME credits
1996 44 CME credits
1997 32 CME credits
1998 24 CME credits
1999 Physical exam instructors workshop
1999 33 CME credits
2000 36 CME credits

2001	70 CME credits
2002	70 CME credits
2003	20 CME credits
2004	13 CME credits
2004	FASEB Summer Research Conference (20 CMEs)
2005	ASCI/AAP Joint Meeting (11.25 CMEs)
2005	19 CME credits
2006	FASEB Summer Research Conference (20 CMEs)
2006	AJRCMB Review (2 CMEs)
2006	UI Asthma Center (6.25 CMEs)
2007	41 CME credits
2009-10	99 CME credits
2011	53 CME credits
2012	80 CME credits/39 CME ACCP Pulmonary Board Review Course
2013	50 CME credits
2014	Bench to Bedside Coulter Translational Research Partnership II Program
2015	36 CME credits
2016	93 CME credits

Current Research Concerning Teaching:

1994-96	Charles Longo, Medical Student Research Fellowship
1995-96	Denise Tyler, Medical Student Research Fellowship
1997-2009	Alan Ryan, Ph.D., Assistant Research Scientist
2001-2005	Jiming Zhou, Ph.D., Associate Research Scientist
2002-2013	Marianna Agassandian, Ph.D., Assistant Research Professor
2002-2007	Olga Miakotina, Ph.D., Research Investigator
2002-2003	Yong You, M.S.
2002-2003, 2006-8	Satya Mathur, Ph.D., Research Scientist
2004-2005	Zhiwei Xu, Ph.D., Postdoctoral Fellow
2005-2006	Yanghong Wu, Ph.D., Postdoctoral Fellow
2005-09	Florita Henderson, M.D., Postdoctoral Fellow
2006-09	Nancy Ray, Ph.D., Assistant Research Scientist
2010-pres	Chunbin Zou, Ph.D., Assistant Research Professor
2010-2011	Bill Chen, Ph.D., Assistant Research Professor
2009-2011	Alisa Waltenbaugh, Technician
2010	Emily Hase-Rowan, Research Technician
2010-2012	Rebecca Smith, Technician
2010-2012	Jennifer Glasser, Technician
2010-2011	Roopa Pulijala, Technician
2010-2013	Bryon Ellis, Technician
2010-2013	Tiffany Coon, Technician
2011-2012	Leah Kaercher, Technician
2011-2013	Rachel Mialki, Technician
2012-pres	Jin Li, Technician
2012-2013	Matthew Cognetti, Technician
2013-pres	Shristi Rajbhandari, Technician
2013-2014	Julie Paronish, Clinical Research Coordinator

2012-2014	Courtney Snavely, Technician
2014	Julie Messick, Technician
2014-2016	Dexter Gullick, Technician
2014-pres	Sarah Rapport, Clinical Research Coordinator

C. Course Materials (Syllabi, Instructional Web Pages, Computer Lab Materials)

1995 "Wegener's Granulomatosis", A case presentation/reference for intern and resident teaching on "The Virtual Hospital". (Updated, 1998)

III. SCHOLARSHIP
PUBLICATIONS OR CREATIVE WORKS

A. Peer-reviewed

1. **Mallampalli RK**, Pentel PR, Anderson DC. Nonreactive pupils due to monoamine oxidase inhibitor overdose. *Crit Care Med.* 1987 May:15(5):536-37.

2. **Mallampalli RK**, Floerchinger CS, Hunninghake GW. Isolation and immortalization of rat pre-type II cell lines. *In Vitro Cell Dev. Biol*. 1992 Mar;28A(3Pt 1):181-7. PMID:1316350

3. **Mallampalli RK,** Hunninghake GW. Expression of immunoreactive cytidine 5'-triphosphate: cholinephosphate cytidylyltransferase in developing rat lung. *Pediatr Res.* 1993 Oct;34(4):502-11. PMID:8255685

4. **Mallampalli RK**, Salome RG, Hunninghake GW. Lung CTP:choline-phosphate cytidylyltransferase: activation of cytosolic species by unsaturated fatty acid. *Am. J. Physiol.* 1993 Aug;265(2 Pt 1):L158-63. PMID:8396337

5. **Mallampalli RK**, Walter ME, Peterson MW, Hunninghake GW. Betamethasone activation of CTP:cholinephosphate cytidylyltransferase *in vivo* is lipid dependent. *Am J Respir Cell Mol Biol.* 1994 Jan;10(1):48-57. PMID:8292380

6. **Mallampalli RK**, Salome RG, Hunninghake GW. Epidermal growth factor is a positive *in vivo* regulator of CTP:cholinephosphate cytidylyltransferase. *Exp Lung Res.* 1994 Jan-Feb;20(1):1-11. PMID:8181450

7. **Mallampalli RK**, Salome RG, Spector AA. Regulation of CTP:choline-phosphate cytidylyltransferase by polyunsaturated n-3 fatty acids. *Am J Physiol.* 1994 Dec;267(6 Pt 1):L641-8. PMID:7810669

8. **Mallampalli RK**, Salome RG, Li CH, VanRollins M, Hunninghake GW. Betamethasone activation of CTP:cholinephosphate cytidylyltransferase is mediated by fatty acids. *J Cell Physiol.* 1995 Mar;162(3):410-21. PMID:7860648

9. Acarregui MJ, Brown JJ, **Mallampalli RK**. Oxygen modulates surfactant protein mRNA expression and phospholipid production in human fetal lung *in vitro*. *Am J Physiol.* 1995 May;268(5 Pt 1):L818-25. PMID:7762683

10. Stefansson S, Kounnas MZ, Henkin J, **Mallampalli RK**, Chappell DA, Strickland DK, Argraves WS. gp330 on type II pneumocytes mediates endocytosis leading to degradation of pro-urokinase, plasminogen activator inhibitor-1 and urokinase-plasminogen activator inhibitor-1 complex. *J Cell Sci.* 1995 Jun;108(Pt 6):2361-8. PMID:7673355

11. **Mallampalli RK**, Mathur SN, Warnock LJ, Salome RG, Hunninghake GW, Field FJ. Betamethasone modulation of sphingomyelin hydrolysis up-regulates CTP:cholinephosphate cytidylyltransferase activity in adult rat lung. *Biochem J.* 1996 Aug 15; (Pt 1):333-41. PMID:8761490

12. Longo C, Tyler D, **Mallampalli RK.** Sphingomyelin metabolism is developmentally regulated in rat lung. *Am J Respir Cell Mol Biol.* 1997 May;16(5):605-12. PMID:9160843

13. **Mallampalli RK**, Salome RG, Bowen SL, Chappell DA. Very low density lipoproteins stimulate surfactant lipid synthesis *in vitro*. *J Clin Invest.* 1997 Apr 15; 99(8):2020-9. PMID:9109447;

14. Jiang XC, D'Armiento J, **Mallampalli RK**, Mar J, Yan SF, Lin M. Expression of plasma mRNA in normal and emphysematous lungs and regulation by hypoxia. *J Biol Chem.* 1998 Jun 19;273(25):15714-8. PMID:9624168

15. **Mallampalli RK**, Peterson EJ, Carter AB, Salome RG, Mathur SN, Koretzky GA TNF-alpha increases ceramide without inducing apoptosis in alveolar type II epithelial cells. *Am. J Physiol.* 1999 Mar;267(3 Pt 1):L481-90. PMID:10070113

16. Monick, M.M., Carter, A.B., Gudmundsson, G., **Mallampalli, R**., Powers, L.S., and Hunninghake, G.W.: A phosphatidylcholine-specific phospholipase C (PC-PLC) regulates activation of p42/44 MAP kinases in LPS-stimulated human alveolar macrophages. *J. Immunol.*, 162:3005-3012, 1999

17. Jia, J.P., Mills, J.N., Barahmand-Pour, F., Nishimura, D., **Mallampalli, R**.**K**., Wang, G., Wiles, K., Tack, B.F., Bevins C.L., .and McCray, Jr., P.B.: Molecular cloning and characterization of rat genes encoding homologues of the human β-defensins: *Infect. Immun.*, 67: 4827-33, 1999.

18. McCoy DM, Salome RG, Kusner DJ, Iyar SS, **Mallampalli RK**. Identification of sex-specific differences in surfactant synthesis in rat lung. *Pediatr Res.* 1999 Dec;46(6):722-30. PMID:1590030

19. Salome RG, McCoy DM, Ryan AJ, **Mallampalli RK**. Effects of intratracheal instillation of TNF-alpha on surfactant metabolism. *J Appl Physiol.* (1985). 2000 Jan;88(1):10-6. PMID:10642356

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78. Kanth, S., Gong, G., Tedrow, J., Wenzel, S.E., **Mallampalli, R.** and Weathington, N.M. IL-4 Dependent IL17Rb gene transcription requires coordinate autocrine IL-25 signaling in monocytes and alveolar macrophages. [Publication page]: A3175] *Am J Respir Crit Care Med.* 2017.

79. Londino, J.D., Gulick, D., and **Mallampalli, R.** Ubiquitination of the interferon gamma receptor alters IFN gamma signaling. [Publication page: A5269]. *Am J Respir Crit Care Med.* 2017.

80. Evankovich, J., McKelvey, A., Dunn, S., Lear, T., Chen, B. and **Mallampalli, R.** Cpg DNA promotes lysosomal degradation of the receptor for advanced glycation end products (RAGE) through F box protein Fbxo10-mediated ubiquitination. [Publication page: A4338]. *Am J Respir Crit Care Med*. 2017.

81. Suber, T., Wei, J., Jacko, A.M., Zhao, J., Zhao, Y. and **Mallampalli, R.** FBXO17 regulates glycogen synthase kinase-3β (GSK3β) polyubiquitination and proteasomal degradation in lung

epithelial cells. [Publication page: A4337] *Am J Respir Crit Care Med*. 2017.

82. Nyunoya, T., Jang, J.H., Voic, H., Ryba, T. and **Mallampalli, R.** Gene expression analysis to identify common pathways between cigarette smoke exposure and replicative senescence. [Publication page: A4320]. *Am J Respir Crit Care Med.* 2017.

B. Areas of Research Interest and Current Projects

1. Role of SCF ubiquitin E3 subunits in lung biology
2. Drug discovery, development, and commercialization of novel chemical entities for pulmonary disease
3. Molecular regulation of cardiolipin metabolism and mitochondrial bioenergetics
4. Gene discovery of unique proteins in epigenetic control of inflammation

C. Grants Received

Federal: (ACTIVE)

Title: (Include source in parenthesis)	Amount	Period	% Effort	% Salary
NHLBI P01 HL114453-01 "Cardiolipin as a Novel Mediator of Acute Lung Injury". PI: Mallampalli	$11,141,442	2/14-1/19	20	20
NHLBI/CADET II 1UH3HL123502-01 Centers for Advanced Diagnostics and Experimental Therapeutics in Lung Diseases Stage II (CADET II)(UH2/UH3) "A New Genus of Ubiquitin-Based Anti-inflammatories for COPD". PI: Mallampalli	$7,600,500	7/14-6/19	15	15
NHLBI/R01 HL081784-01 "Regulation of F box Proteins in Acute Acute Lung Injury". PI: Mallampalli	$1,659,375	7/14-6/19	10	15
NHLBI/1R01HL097376-01 "Mechanisms of Lung Homeostasis by F Box Proteins" PI: Mallampalli	$2,162,261	4/14-03/18	10	15
NHLBI/R01 HL098174-07 " Stabilizing Mitochondria in Sepsis " PI: Mallampalli	$1,659,375	7/17-06/21	15	15
NHLBI R01HL096376-01 " F box-Induced Acute Lung Injury and Parkin " PI: Mallampalli	$2,305,296	7/10-03/20	4	4
Merit Review Award, Dept Veterans Affairs "Targeting F box Protein 048 in Acute Lung Injury" PI: Mallampalli	$650,000	01/18-12/21	15	10

NHLBI 2T32 HL007563-31 Translational Training Program In Pulmonary Biology and Medicine PI: Mallampalli Role: Director	$3,435, 561	8/18-7/23	1	1
Flight Attendant Medical Research Institute (FAMRI) "Novel F box Anti-inflammatories for COPD" PI: Mallampalli	$325, 000	7/14-6/18	5	5
Harrington Innovator-Scholar Award " Novel F box Immunomodular for Lung Allograft Rejection" PI: Mallampalli	$700,000	1/16-12/18	5	0
NIH P50 Novel Therapeutics and Precision Medicine in Systemic Sclerosis PI: Robert Laftayis Project 3: " Targeting Pro-fibrotic E3 Ligases in Systemic Sclerosis" PI: Mallampalli	$254,512	9/16-8/21	10	10

Pending Decisions:
None

D. Invited Lectures

Conference Presentations:

1. "Betamethasone activates CTP:cholinephosphate cytidyltransferase in adult lung." Presented at the Pathology of the Surfactant System of the Mature Lung Conference, San Diego, CA, March 23-25, 1995
2. "TNFα inhibits expression of CTP:phosphocholine cytidylyltransferase." Presented at the Pathology of the Surfactant System of the Mature Lung Conference, San Diego, CA, October 1999
3. "Lipoprotein deprivation stimulates transcription of CTP:phosphocholine cytidylyltransferase." Presented at the FASEB Summer Conference on Surfactant, Saxons River, VT, June 2000
4. "Oxidized lipoproteins inhibit surfactant phospholipid synthesis". American Heart Association Research Symposium, Dallas TX, May 2001
5. *State of Art*: "Regulation of Phosphatidylcholine Synthesis." Presented at the FASEB Summer Conference on Surfactant, Saxons River, VT, July 2002.
6. "Oxysterols inhibit phosphatidylcholine synthesis via ERK docking and phosphorylation of CTP:phosphocholine cytidylyltransferase". Presented at the Gordon Research Conference on *Biochemistry of Lipids and Lipid Mediators*, Water Valley, NH, July 2005.
7. 2007 ATS Symposium: "New insights into surfactant lipid biosynthesis". Presented at the Symposium on "New Insights on the Role of Surfactant in Lung Disease, San Francisco, CA, May 2007.
8. "Calmodulin Binds and Stabilizes the Regulatory Enzyme, CTP:phosphocholine Cytidylyltranferase under Pro-Inflammatory Stress". Presented at the Gordon Research Conference on *Biochemistry of Lipids and Lipid Mediators*, Water Valley, NH, July 2007.
9. *State of Art*: "Regulation of Phosphatidylcholine Synthesis." Invited Lecture: FASEB Summer Conference on *Lung Epithelium in Health and Disease*, Saxons River, VT,

July 2008

10. Chair, Poster Discussion Session, American Thoracic Society 2009 International Meeting, San Diego, CA.
11. *Session Chair*: "Mechanisms of Lung Epithelial Injury." FASEB Summer Conference on *Lung Epithelium in Health and Disease*, Saxons River, VT, July 2008
12. Facilitator, "Lipid-Mediated Signaling" Thematic Poster session at the 2011 ATS International Conference, Denver, CO, May 2011
13. Invited Speaker, "SCF Subunit FBXO15 and Pink1 Kinase Regulate CLS1 Stability and Mitochondrial Function" *Proteomics of Protein Degradation & Ubiquitin Pathways*, San Diego, CA January, 2012.
14. Keynote Speaker: University of Pittsburgh Physician-Scientist Training Program Annual Medical School Symposium, August, 2013.
15. Speaker: University of Pittsburgh Annual Science 2013. Spotlight on "Ubiquitination and Other Protein Modifications", October, 2013.
16. Speaker: University of Pittsburgh 3rd Annual AKI Symposium. Seminar on "Lessons from Acute Lung Injury", October, 2013.
17. 2014 ATS Symposium: "Advances in Acute Lung Injury and Mucosal Immunity", San Diego, CA, May 2014.
18. 2014 ATS Mini-Symposium: "Stop, Drop, and Die: Proteostasis and Autophagy in the Lung", San Diego, CA, May 2014.
19. 2014 ATS Recognition Award for Scientific Accomplishments: "New Pathways of Inflammatory Lung Injury Leading to Small Molecule Discovery", San Diego, CA, May 2014.
20. Thomas L. Petty *Aspen Lung Conference*, 57th Annual Meeting, Rebuilding the Injured Lung, "E3 ligase subunit Fbxo15 and Pink1 kinase impair cardiolipin synthase 1 stability and mitochondrial function in experimental lung injury" Aspen, CO, June 4-7, 2014.
21. Invited Speaker, "A new genus of ubiquitin-based anti-inflammatories" *Ubiquitin Research and Drug Discovery Conference*, San Diego, CA February, 2015.
22. Invited Speaker: "*Discovery and Development of Novel Regulators of Lung Inflammation*." FASEB Summer Conference on *Lung Development, Injury, and Repair*, Proctor Academy, Andover, NH, Aug 2015.
23. Invited Speaker: *"New Pathways of Inflammatory Lung Injury Leading to Small Molecule Discovery"*. Munich International Autumn School (MIAS), Munich, Germany, Oct 2015.
24. Invited Speaker: *"New Pathways of Inflammatory Injury Leading to Small Molecule Discovery"*. TransAltlantic Conference, Lucern, Switzerland, Jan 2016.
25. Moderator and Invited Speaker, "Protease Inhibitors in Translational Research" *Inhibitors in Drug Discovery Conference*, San Diego, CA, February, 2017.

E. Visiting Professorships:

1. "Lipid Regulation of CTP:Phosphocholine Cytidylyltransferase." Department of Medicine, *University of California, San Diego* VA Medical Center, San Diego, CA, Oct, 1995
2. "Lipoprotein Regulation of Surfactant Synthesis" Dept. of Cellular and Molecular Physiology, *Penn State University*, Hershey, PA Oct, 2001
3. "Lipoprotein Regulation of Surfactant Synthesis" Dept. of Medicine, *University of Cincinnati* College of Medicine, Cincinnati, OH Jan, 2002
4. "Lipoprotein Regulation of Surfactant Synthesis" Dept. of Pharmacology, *University of South Alabama* School of Medicine, Mobile, AL, Nov, 2002.
5. "Regulation of Surfactant Phosphatidylcholine Synthesis" Dept of Medicine and

Institute for Environmental Medicine, *University of Pennsylvania* School of Medicine, Philadelphia, PA, Dec, 2002.

6. "Novel Pathways for Surfactant in Acute Lung Injury", Dept. of Medicine, *University of Utah* School of Medicine, Salt Lake City, UT, April, 2005.
7. "Novel Pathways for Surfactant in Acute Lung Injury", Programme in Lung Biology, *University of Toronto*, Toronto, CAN, Sept, 2005.
8. "Novel Insights into the Pathobiology of Sepsis-Induced Acute Lung Injury", Dept. of Medicine, *University of Vermont*, Burlington, VT, Feb, 2007.
9. "Novel Insights into the Pathobiology of Sepsis-Induced Acute Lung Injury", Dept. of Medicine, *University of Illinois*, Chicago, IL, Feb, 2008.
10. "Clinical Applications of Surfactant Therapy- Just for Babies?". Dept. of Medicine Grand Rounds, *Hennepin County Medical Center*, Minneapolis, MN, March, 2008.
11. "Novel Insights into the Pathobiology of Sepsis-Induced Acute Lung Injury", Dept. of Medicine, *University of Alabama*, Birmingham, AL, April, 2008.
12. "Novel Insights into the Pathobiology of Sepsis-Induced Acute Lung Injury", Meakins-Christie Laboratories and the *McGill University* Health Center, Montreal, Canada, May, 2008.
13. "Novel Insights into the Pathobiology of Sepsis-Induced Acute Lung Injury", Pulmonary Grand Rounds, Dept. of Medicine, *Vanderbilt University*, Nashville, TN, October, 2008.
14. "Novel Insights into the Pathobiology of Sepsis-Induced Acute Lung Injury", Pulmonary & Critical Care Medicine, Dept. of Medicine, *University of Southern California*, Los Angeles, CA, March, 2009.
15. "Novel Insights into the Pathobiology of Sepsis-Induced Acute Lung Injury", Pulmonary & Critical Care Medicine, Dept. of Medicine, *University of Pittsburgh* Medical Center, Pittsburgh, PA, May, 2009.
16. "Novel Insights into the Pathobiology of Sepsis-Induced Acute Lung Injury", Institute for Personalized Respiratory Medicine, *University of Illinois*, Chicago, IL, October, 2010.
17. "Novel Insights into the Pathobiology of Sepsis-Induced Acute Lung Injury", Department of Medicine, *Yale University*, New Haven, CT, May, 2011.
18. "Novel Insights into Phospholipid Synthesis in the Pathobiology of Inflammatory Lung Injury", Department of Biochemistry and Group on the Molecular and Cell Biology of Lipids, School of Molecular and Systems Medicine *University of Alberta*, Edmonton, Alberta Canada, September, 2011.
19. "Novel Insights into the Pathobiology of Pneumonia", Department of Pathology & Cell Biology, *University of South Florida*, Tampa, FL, November, 2011.
20. "Novel Insights into the Pathobiology of Sepsis-Induced Acute Lung Injury", Department of Medicine, *Columbia University*, New York, NY, November, 2011.
21. "Novel Insights into the Pathobiology of Sepsis-Induced Acute Lung Injury", Department of Medicine, *University of Michigan*, Ann Arbor, MI, May, 2012.
22. "Novel Insights into the Pathobiology of Sepsis-Induced Acute Lung Injury", Department of Medicine, *University of California San Francisco*, San Francisco, CA, December, 2012.
23. "Novel Insights into the Pathobiology of Sepsis-Induced Acute Lung Injury", Department of Medicine, *Duke University/University of North Carolina/NC State*, Durham, NC, January, 2013.
24. "Novel Insights into the Pathobiology of Sepsis-Induced Acute Lung Injury", Department of Medicine, *University of New Mexico*, and *Lovelace Respiratory Research Institute*, Albuquerque, NM, February, 2013.

25. "Novel Insights into the Pathobiology of Sepsis-Induced Acute Lung Injury", Department of Medicine, *University of Chicago*, Chicago, IL, April, 2013.
26. "Novel Insights into the Pathobiology of Sepsis-Induced Acute Lung Injury", Department of Medicine, *Baylor College of Medicine*, Houston, TX, April, 2013
27. "Novel Insights into the Pathobiology of Sepsis-Induced Acute Lung Injury", Department of Medicine, *Johns Hopkins School of Medicine*, Baltimore, MD, June, 2013.
28. "New Pathways of Inflammatory Lung Injury Leading to Small Molecule Discovery", *National Institutes of Health*, NHLBI Division of Lung Diseases, Bethesda, MD, June, 2013.
29. "New Pathways of Inflammatory Lung Injury Leading to Small Molecule Discovery", Departments of Medicine and Pathology, *New York University School of Medicine*, New York, NY, May, 2014.
30. "New Pathways of Inflammatory Lung Injury Leading to Small Molecule Discovery", Departments of Medicine *National Jewish Health*, Denver, CO, June, 2014.
31. "New Pathways of Inflammatory Lung Injury Leading to Small Molecule Discovery", Pulmonary Grand Rounds, *University of Texas at Tyler*, Tyler, TX, Oct, 2014.
32. "The Immunobiology of Sepsis, Time for New Strategies?", Grand Medical Rounds *University of Oklahoma Medical Center*, Oklahoma City, OK, Jan, 2015.
33. "New Pathways of Inflammatory Lung Injury Leading to Small Molecule Discovery", Pulmonary Grand Rounds, Brigham and Women's Hospital, *Harvard Medical School*, Boston, MA, March, 2015.
34. "New Pathways of Inflammatory Lung Injury Leading to Based Small Molecule Discovery", Geoffrey McLennan Lectureship Grand Rounds, Department of Medicine, *University of Iowa College of Medicine*, Iowa City, IA, September, 2015.
35. "New Pathways of Inflammatory Lung Injury Leading to Small Molecule Discovery", Pulmonary Grand Rounds, Department of Medicine, *Cedar Sinai Medical Center*, Los Angeles, CA, November, 2015.
36. "New Pathways of Inflammatory Lung Injury Leading to Small Molecule Discovery", Grand Rounds, Veterinary School of Medicine, *Louisiana State University Health Science Center*, Baton Rouge, LA, March, 2016.
37. "Novel Insights into the Pathobiology of Sepsis-Induced Acute Lung Injury", Department of Medicine, *University of Illinois*, Chicago, IL, August, 2016.
38. "New Pathways of Inflammatory Lung Injury Leading to Small Molecule Discovery", Dept. of Medicine, *University of Alabama*, Birmingham, AL, Dec, 2016.
39. "New Pathways of Inflammatory Lung Injury Leading to Small Molecule Discovery", Department of Medicine, *Boston University, Dept. of Medicine*, Boston, MA, April, 2017.
40. "New Pathways of Inflammatory Lung Injury Leading to Small Molecule Discovery", Department of Medicine, *University of Colorado*, Denver, CO, April, 2017.
41. "New Pathways of Inflammatory Lung Injury Leading to Small Molecule Discovery", Pulmonary Grand Rounds, Boston Children's Hospital, *Harvard Medical School*, Boston, MA, May, 2017.
42. "New Pathways of Inflammatory Lung Injury Leading to Small Molecule Discovery"24th Annual University of Pennsylvania Respiration Research Retreat, *University of Pennsylvania* School of Medicine, Philadelphia, PA, June, 2018.

Prior Funding:

1.	Cystic Fibrosis Foundation	$129,600	7/04-8/06
2.	NIH/NHLBI R01 HL68135-04	7/01-6/05	$1,029,000
3.	NICHD/R03 HD040296	2/03-3/04	$100,000
4.	Center for Gene Therapy and Other Genetic Diseases (NIH/NIDDK P30 DK 54759 John Engelhardt, Ph.D. PI)	9/02-8/03	$50,000
5.	VA Merit Review	4/98-8/03	$416,800
6.	American Heart Association Established Investigator	1/98-1/02	$300,000
7.	NIH/NHLBI FIRST Award (R21HL055584-05)	7/95-6/00	$350,000
8.	Veteran's Administration Research Associate	1/95-12/98	$348,396
9.	NIH/NICHD K08 Clinical Investigator Award	(Declined)	$360,000
10.	American Heart Association Clinician Scientist Award	(Declined)	$200,000
11.	National American Heart Association Grant-in-Aid	7/95-6/98	$132,000
12.	American Lung Association of Iowa, Career Investigator Award	7/97-6/99	$70,000
13.	National American Lung Association, Research Grant	7/95-6/97	$50,000
14.	American Lung Association of Iowa, Research Grant	7/94-6/95	$25,000
15.	Children's Miracle Network	3/95-7/02	$52,500
16.	UI Spellman - Rockefeller Child Research Seed Grant	4/94-4/95	$5,000
17.	U of Iowa Institutional Research Seed Grant, American Cancer Society	10/93-10/94	$15,000
18.	University of Iowa College of Medicine	7/92-6/93	$5,000
19.	NHLBI/2R01HL055584-10 "Regulation of Cytidylyltransferase in Fetal Rat Lung" PI: Mallampalli	1/02-12/07	$1,029,000
20.	NHLBI/R01 HL071040-04 "Transcriptional Regulation of a Surfactant Enzyme" PI: Mallampalli	7/02-6/08	$1,470,000
21.	NIH T32 Institutional NRSA for Florita Henderson, M.D. T32 HL07734 (P.Burns, PI). Role: Sponsor	7/05-6/07	- -
22.	NHLBI/R01 HL080229-01 "Regulation of Surfactant Synthesis in Asthma" PI: Mallampalli	4/05-3/11	$1,327,500
23.	NHLBI/R01 HL068135-05A2 "Adenoviral-Induced Acute Lung Injury and Surfactant" PI: Mallampalli	7/01-6/13	$1,327,500
24.	Bayer Pharma AG, Germany From Targets to Novel Drugs "Targeting a Ubiquitin E3 Ligase in ALI	9/14-10/1	$40,000

	Acute Lung Injury" PI: Mallampalli	7/14-6/16	
25.	Coulter Foundation. Coulter Foundation "Fbxo3 Targeted Anti-inflammatories for Bronchitis." PI: Mallampalli .		$100,000

IV. SERVICE

A. Clinical assignments

Inpatient

1995-97	MICU Staff, UIHC
1995-2000	Intermediate Pulmonary Care Unit, UIHC
2000	Pulmonary Consult Service, UIHC
1995-2009	Inpatient and Pulmonary Consultation Services, VAMC Pulmonary Bronchoscopy, VAMC
2004-2007	Pulmonary Consultant, UIHC
2005, 2007	Intermediate Pulmonary Care Unit, UIHC
2009-pres	Medical ICU Staff, VAPHS
2015-pres	Presbyterian/Montefiore Pulmonary Consult and Advanced Lung Disease Service, UPMC

Outpatient

1995-2005	Pulmonary Outreach Clinic, Staff Physician/Bronchoscopy, Ottumwa, IA
2000-2005	Pulmonary Outreach Clinic, Staff Physician, Muscatine, IA
2005-2009	Pulmonary Clinic, UIHC
2009-present	Pulmonary Fellows Clinic, VAPHS
2017-present	Telehealth Service

B. Offices Held in Professional Organizations

Editorships:

2016-pres	Associate Editor, *American Journal Respiratory Cell and Molecular Biology*

Editorial Appointments:

2001- present	*International Archives of Biosciences*, Editorial Board
2006- 2011	*Journal of Biological Chemistry*, Editorial Board
2007- 2011	*Biochemical Journal*, Editorial Advisory Panel
2008- 2014	*Journal of Epithelial Biology & Pharmacology*, Editorial Board
2009- present	*American Journal of Physiology (LCMP)*, Editorial Board
2011- present	*American Journal of Respiratory and Critical Care Medicine*, Editorial Board
2012- present	*American Journal of Cancer Biology*, Editorial Board
2014- 2019	*Journal of Biological Chemistry*, Editorial Board
2015-present	*Journal of Clinical Investigation*, Consulting Editor

Editorial Consultant

- *Acta Physiologica*
- *American Journal of Pathology*
- *American Journal of Physiology (Cell Physiology)*
- *American Journal of Physiology (Lung Cell Molecular Physiology)*
- *American Journal of Physiology (Regulatory, Integrative and Comparative Physiology)*

- *American Journal Respiratory Cell & Molecular Biology*
- *American Journal of Respiratory and Critical Care Medicine*
- *Biochemical Journal*
- *Biochimica Biophysica Acta, Molecular & Cell Biology of Lipids*
- *Biochimica Biophysica Acta, Molecular Cell Research*
- *Bioessays*
- *BMC Genomics*
- *BMC Pulmonary Medicine*
- *Cancer Research*
- *Cell Metabolism*
- *Critical Care*
- *Current Molecular Medicine*
- *Cell Biology and Toxicology*
- *Cell Death and Disease*
- *Cellular & Molecular Immunology*
- *Cellular Physiology and Biochemistry*
- *Experimental Lung Research*
- *FASEB J*
- *FEBS Letters*
- *Free Radical Biology & Medicine*
- *Gene*
- *International Journal of Molecular Sciences*
- *Journal of Applied Physiology*
- *Journal of Biological Chemistry*
- *Journal of Clinical Investigation*
- *Journal of Immunology*
- *Journal of Lipid Research*
- *Journal of Molecular and Cellular Cardiology*
- *Medical Science Monitor*
- *Molecular Cancer*
- *Molecular Cancer Research*
- *Molecular Cancer Therapeutics*
- *Molecular and Cellular Oncology*
- *Nature Reviews Clinical Oncology*
- *Nature Immunology*
- *Nature Communications*
- *Oncotarget*
- *Oncogene*
- *Pediatric Research*
- *Pharmacological Research*
- *Physiology*
- *PLoS ONE*
- *Proceedings of the National Academy of Sciences USA*
- *Science*
- *Science Immunology*
- *Scientific Reports*
- *Translational Research*

National Committees, Conferences, and Organizations

1994	Grant Reviewer Arthritis Society, Canada
1998	Grant Reviewer Career Development and Merit Review Boards, *Respiration*
2000-2010	Member, ALA/ATS National Research Grant Review Committee, *Lung Study Section B*
2001-2003	Member, National American Heart Association *Lung, Resuscitation, and Respiration Study Section*
2001	Consultant, NIH/NHLBI Program Project Grant Review Committee *(P01HL019737*)
2001	NIH /CSR *Special Emphasis Panel* (*ZRG1*)
2003	NIH /CSR *Special Emphasis Panel* (*ZRG1*)
2004	NIH /CSR *Special Emphasis Panel* (*ZRG1*)
2004	Canadian Institutes of Health Research (CIHR)
2005	Health Research Board, Ireland
2005	NIH/CSR NRSA Postdoctoral Fellowship Review Committee (*F32*)
2005	Dept. of Veteran's Affairs, MERIT Review (*Ad Hoc*)
2005	ALA/LUNGevity Foundation-Lung Cancer Review Committee
2005	State of Pennsylvania Department of Health Lung Disorders Panel
2006	ALA/LUNGevity Foundation-Lung Cancer Review Committee
2006	Dept. of Veteran's Affairs Career Development Applications (*Ad Hoc*)
2006	Consultant, NIH/NHLBI Program Project Grant Review Committee (*P01HL019737)*
2006	Consultant, NIH/NHLBI Program Project Grant Review Committee (*P01HL046902)*
2005-11,13	Permanent Member, NIH /CSR *Lung Injury, Repair, and Remodeling Study Section* (*LIRR*)
2008,2010	Elected Co-Organizer: FASEB Conference on *Lung Epithelium in Health and Disease (2008/2010)*
2008	*Ad hoc*, National American Heart Association *Lung, Resuscitation, and Respiration Study Section*
2008-2010	ALA Research/National Scientific Advisory Committee
2009	Consultant, NIH/NHLBI Program Project Grant Review Committee (*P01HL061646)*
2009-2010	Consultant, NIH/NHLBI Program Project Grant Review Committee (*1 P01 HL098050-01*)
2009	*Ad hoc*, US-Israel Binational Science Foundation
2009-pres	Lytmos/Florida Dept Health
2012	External Consultant, Yale Pepper Center
2011-pres	NIH/NHLBI Translational Program Project Grant Review Committee
2012	Medical Research Council, United Kingdom
2012	Lead Organizer, Pittsburgh International Lung Conference on Acute Lung Injury: *"New Mechanisms, Future Therapies, and the Translation to Clinical Care"*
2013-15	Veterans Administration Career Development and Merit Review Study Section, *Respiration*
2014	Consultant, NIAID Program Project Review Committee,

	(2 P01 AI081672-06)
2014	Consultant, NIH/NHLBI Program Project Grant Review Committee *(2 P01 HL077806-11)*
2014	NIH/CSR LIRR member conflict *Special Emphasis Panel* (*ZRG1*)
2014	Flight Attendant Medical Research Institute Review Panel
2014	NHLBI Science Moving towArds Research Translation and Therapy (SMARTT) program reviewer
2015-16	Chair, Flight Attendant Medical Research Institute Review Panel
2016-pres	Medical Advisory Board, Flight Attendant Medical Research Institute
2016- pres	US Dept of Defense, Peer Reviewed Medical Research Program Reviewer
2015-19	Permanent Member, National Heart, Lung and Blood Institute Program Project Review Committee [HLBP]

Departmental, Collegiate, or University committees:

1995	Department Publications Committee
1996	Faculty Recruitment Committee, Dr. David Nevin
1997	Faculty Recruitment Committee, Dr. Campbell Rogers
1998-99	Departmental Promotions Committee
1997-2007	Medical School Admissions Committee
2000	Subcommittee, Early Assurance Program and Process Subcommittee, Medical School Admissions
2000	Basic Science Review Group, Internal Medicine
2001	Faculty Recruitment Committee, Dr. Leisha Emens
2002	Faculty Recruitment Committee (Chair), Dr. Ken Warrington
2003	Faculty Recruitment Committee, Dr. Preet Chaudhary
2004	External Consultant, *University of Texas* HSC, Dept. Molecular Biology, Promotions Review
2005	Internal Consultant, University of Iowa, Dept. of Medicine, Promotions Review
2005	Dept of Medicine Committee to Review Bridge Funding
2005	College of Medicine Committee to Review *The Department of Obstetrics & Gynecology*
2005	Faculty Recruitment Committee, Dept. Biochemistry, Dr. Gloria Lee
2005-2009	University of Iowa Basic Science Radiation Protection Committee
2005-07	Research & Development Committee, Iowa City VA Medical Center
2006	Faculty Recruitment Committee, Dr. Sanjeevkumar Patel
2006	Faculty Recruitment Committee, Dept. Biochemistry, Dr. John Dagle
2006	Faculty Recruitment Committee, Dept. Biochemistry, Dr. Ron Weigel
2007	Faculty Recruitment Committee, Dept. Biochemistry, Dr. Peter Nagy
2007	Organizer, Department of Medicine Research Day
2007	External Consultant, University of Pennsylvania, Dept. of Medicine, Promotions Review
2007	Faculty Recruitment Committee, Dept. Biochemistry, Dr. George Giudice
2007-2009	Chair, Research & Development Committee, Iowa City VA Medical Center
2006 & 2007	Chair, Departmental Promotions Committee (Tenure Track)
2008	External Consultant, *SUNY at Stony Brook* School of Medicine, Dept. of Pediatrics, Promotions Review
2008, 10	External Consultant, *University of Illinois* College of Medicine, Dept. of Medicine and Pharmacology, Promotions Review

2008-09	LCME Institutional Settings Committee, COM
2009	Chair, ACOS Recruitment Committee, Iowa City VA Medical Center
2009-pres	VISN 4 Research Advisory Committee, VA Pittsburgh Healthcare System
2009-pres	VA Pittsburgh Healthcare System R&D Committee
2011	External Consultant, *University of Pennsylvania*, Dept. of Medicine, Promotions Review
2012	External Consultant, *Dartmouth University* Medical School, Dept. of Medicine, Promotions Review
2011-13	Chair, PACCM Awards Committee
2012-pres	Institutional Representative, ASCI/AAP nominations, University of Pittsburgh
2012-2014	Faculty Search Committee, Dept. of Medicine Endocrine Chief Search
2013	External Consultant, *University of South Florida*, Dept. of Pathology and Cell Biology, Promotions Review
2013	External Consultant, *Columbia University*, Department of Medicine, Tenure appointment review
2014	External Consultant, *Harvard Medical School*, Dept. of Medicine, Promotions Review
2014	External Consultant, *University of Minnesota Medical School*, Dept. of Medicine, Promotions Review
2014	External Consultant, *University of Alabama Birmingham*, Dept. of Medicine, Promotions Review
2015-17	Tenured Faculty Promotions and Appointments (TFPA) Committee, University of Pittsburgh
2015	External Consultant, *Yale University* Medical School, Dept. of Medicine, Promotions Review
2015	External Consultant, *Northwestern University*, Dept. of Medicine, Promotions Review
2016-pres	University of Pittsburgh Drug Discovery Institute internal advisory board
2016	External Consultant, *Penn State University*, Dept. of Medicine, Promotions Review
2017	External Consultant, *Yale University* Medical School, Dept. of Medicine, Promotions Review
2017	External Consultant, *Columbia University* Medical School, Dept. of Anesthesia, Promotions Review
2017	External Consultant, *University* of *Arizona*, Dept. of Medicine, Promotions Review

<u>Departmental, collegiate, or university service positions:</u>
Faculty Interviewer, Dept of Medicine Residency & Pulmonary Fellowship
GCRC Protocol Reviewer
Faculty Interviewer, Dept Biochemistry Graduate Student Training Program

<u>Professional Memberships</u>:
American College of Chest Physicians, Fellow
American Thoracic Society
American Society for Biochemistry and Molecular Biology
American Society for Microbiology

Society for Pediatric Research (1997-2010)
American Federation for Medical Research
American Society for Clinical Investigation
Association of American Physicians
Biochemical Society

Relevant Community Involvement
1999 Human Biology Science Class for Homeschoolers
2000 University of Iowa Hospitals & Clinics Above and Beyond Award

Tech Transfer and Commercialization:
2015-16 Co-founder and Chairman, Scientific Advisory Board, *E3 Therapeutics*, Inc., Pittsburgh, PA

2017-pres, Co-founder and Scientific Consultant, *Koutif Therapeutics*, Inc., Cleveland, OH

Patents:
CCT PROTEIN EXPRESSION PROMOTER (U.S. Patent filed 3/2004 under the University of Iowa Research Foundation, USP application # 10/488,438)

METHODS AND COMPOSITIONS RELATED TO PLUNC SURFACTANT POLYPEPTIDES
(Co-Inventor with Dr Paul McCray. (Provisional U.S. Patent application filed 11/2006 under the University of Iowa Research Foundation, USP # 7,951,781, B2)

A NEW GENUS OF UBIQUITIN E3 LIGASE BASED ANTI-INFLAMMATORIES
(U.S. Patent application issued under the University of Pittsburgh Office of Technology Management and the Veterans Administration, U.S. Non-Provisional Application No. 61/657423; PCT filing 3/13)(*US Patent Issued "Benzathine Analogs" # 9,359,284, 06/07/2016*)
In national stage: AUS, CAN, CHN, EPO, IND, ISR, JPN, SIN, MEX, BRA, SK, HK
· US Continuation – 15/138,137, *In prosecution*
· Of 1st PCT/US National, currently issued

· US Divisional – 15/138,120, *In prosecution*
· Of 1st PCT/US National, currently issued

COMPOSITIONS AND METHODS FOR TREATING RESPIRATORY INJURY OR DISEASE (U.S. Patent application pending under the University of Pittsburgh Office of Technology Management and the Veterans Administration, U.S. Provisional Application No. 61/913853; PCT filing 12/13)

COMPOSITIONS AND METHODS FOR TREATING RESPIRATORY INJURY OR DISEASE (U.S. Patent application pending under the University of Pittsburgh Office of Technology Management and the Veterans Administration, U.S. Provisional Application No. 61/914278; PCT filing 12/13)

COMPOSITIONS AND METHODS FOR TREATING BACTERIAL INFECTIONS
(U.S. Patent application pending under the University of Pittsburgh Office of Technology

Management and the Veterans Administration, U.S. Provisional Application No. 61/913844; PCT filing 12/13)

Licensing Agreements:

IMMORTALIZED PRE-TYPE II ALVEOLAR CELL LINES
Licensed to *Applied Biological Materials* Inc., July 2014.

NOVEL UBIQUITIN E3 LIGASE BASED ANTI-INFLAMMATORIES
Licensed to *Koutif Therapeutics* Inc., July 2017.