

## **CURRICULUM VITAE**

DATE: March 16, 2023

NAME: Pamela A. Ohman Strickland

PRESENT TITLE: Associate Professor, Biostatistics

CITIZENSHIP: USA

### EDUCATION:

A. Undergraduate  
Bowdoin College, Brunswick, ME.  
A.B. in Mathematics (Minor: Education), 1990

B. Graduate  
Cornell University  
Ithaca, NY  
M.S. in Statistics, 1995  
Ph.D. in Statistics, 1997  
Dissertation: Approximated and Estimated Saddlepoint Approximations  
Advisor: George Casella

### ACADEMIC APPOINTMENTS:

Assistant Professor, Department of Statistics, University of Florida, FL. August 1997 – May 2001.  
Visiting Researcher, Department of Statistics, Stanford University, CA. Summer 2000.  
Assistant Professor, Department of Biostatistics, UMDNJ-School of Public Health, NJ.  
July 2001 – June 2005.  
Assistant Professor (Joint Appointment), Department of Family Medicine, UMDNJ-Robert Wood Johnson Medical, NJ. July 2003 – June 2006.  
Associate Professor, Department of Biostatistics, UMDNJ-School of Public Health, NJ. July 2005 – June 30, 2013  
Associate Professor (Joint Appointment), Department of Family Medicine, UMDNJ-Robert Wood Johnson Medical, NJ. July 2006 – June 30, 2013  
Associate Dean Piscataway/New Brunswick Campus, UMDNJ-School of Public Health, NJ. October 1, 2010 – June 30, 2013  
Associate Professor, Department of Biostatistics, Rutgers School of Public Health, NJ.  
July 1, 2013 – present  
Associate Professor (Joint Appointment), Department of Family Medicine, Rutgers Robert Wood Johnson Medical, NJ. July 1, 2013 – present  
Associate Dean New Brunswick Campus, Rutgers School of Public Health, NJ. July 1, 2010 – June 30, 2015  
Associate Dean for Student Affairs, Rutgers School of Public Health, NJ. July 1, 2015 – June 2018.  
Faculty Director, Rutgers Biostatistics and Epidemiology Services, Rutgers University, July 1, 2015- June 2018.

Biostatistics Facility Core Director, The Center for Environmental Exposures & Disease, a National Institute for Environmental and Health Sciences Center. November 15, 2010 – present

### PROFESSIONAL ORGANIZATIONS (AND COMMITTEES OF THESE):

American Statistical Association (ASA)  
Institute of Mathematical Statistics  
Secretary of the New Jersey Chapter of the ASA, August 2002-July 2003.

Program Chair for the New Jersey Chapter of the ASA, August 2003-July 2004.

President for the New Jersey Chapter of the ASA, August 2004-July 2005.

**HONORS AND AWARDS:**

Excellence in Teaching Award from the Student Government Association on the Piscataway/New Brunswick Campus of the University of Medicine and Dentistry of New Jersey – School of Public Health, May 2003

Inducted into Delta Omega, the Honorary Society in Public Health, May 2004.

Member, Stuart D. Cook Masters Educators Guild of the University of Medicine and Dentistry of New Jersey, September 2004-June 2013.

New Jersey Health Foundation's Excellence in Teaching Award, Rutgers School of Public Health, May 2015.

**SERVICE ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS, COMMITTEES**

Ad Hoc member of NIEHS Review Panel EHS-01 for T32 and K applications, November 9-10, 2009 in Chapel Hill, NC.

Ad Hoc member of NIEHS Review Panel P30 Core Center applications, August 23-25, 2011 in Chapel Hill, NC.

Ad Hoc member of NIEHS Review Panel EHS-01 for T32 and K applications, November 14-15, 2013 in Chapel Hill, NC.

Ad Hoc member of NIEHS Review Panel EHS-01 for T32 applications, November 11-12, 2014 in Chapel Hill, NC.

Ad Hoc member of NIEHS Review Panel P30 Child Health Center applications, May 11-14, 2015 in Washington, DC.

**SERVICE ON UNIVERSITY OF MEDICINE AND DENTISTRY OF NEW JERSEY/RUTGERS COMMITTEES:**

School of Public Health

Acting Secretary of the Faculty, UMDNJ-School of Public Health, November 2001-January 2002.

Secretary of the Faculty, UMDNJ-School of Public Health, February 2002-December 2008.

Member of Executive Council, UMDNJ-School of Public Health, February 2002-December 2008.

Member of Committee on Committees, UMDNJ-School of Public Health, February 2002-December 2008.

Chairperson of Stuart D. Cook Masters Educators Guild Nominating Committee, February – June, 2007 & 2008; member 2009.

Chairperson of Department of Environmental and Occupational Health Chair Search Committee, June 2008.

Member of Department of Environmental and Occupational Health Faculty Search Committee, October 2009 – April 2010.

Member of Internal Review Committee for Institute for the Elimination of Health Disparities, September 2007 – July 2008.

Member of Technology Committee, UMDNJ-School of Public Health, May 2005-July 2008.

Member of Doctoral Committee, UMDNJ-School of Public Health. January 2002-present.

Member of Research Committee, UMDNJ-School of Public Health, January 2009-July 2010.

Member of Internal Review Committee for Office of Research and Sponsored Programs, September 2009 – April 2010.

Member of Ad Hoc Committee on Faculty Workload Formulas, September 2009 – March 2010.

Chairperson of Bylaws and Elections Committee, UMDNJ-School of Public Health, December 2008-2012.

Member, February 2002-December 2008, July 2012- June 2018.

Member Executive Council as Associate Dean New Brunswick Campus, October 2010 – June 2018.

Chair, New Brunswick Campus Executive Committee, October 2010 – June 2015.

Member, Faculty Search Committees for Departments of Environmental and Occupational Health Sciences (2009/2010, 2011/2012, 2012/2013); Epidemiology (2010/2011, 2012/2013); and Biostatistics (2015/2016).

Biostatistics MPH Program Coordinator, September 2004 – present.

Member, New Brunswick campus and Schoolwide Curriculum Committees, July 2010 – June 2018.

Member, Dean's Council, July 2010 – June 2018.

Chair, New Brunswick Campus Admissions Committee, October 2013 – July 2015.  
Chair, School of Public Health Admissions Committee, July 2015- June 2018.  
Representative to  
CEPH Accreditation Workshop in Washington, D.C., August 1-2, 2013  
ASPPH Sections Meeting (Academic Affairs section) in Minneapolis, MN, June 16-20, 2014  
Rutgers SPH Dean Search Committee, Summer/Fall 2014.  
Rutgers SPH Fieldwork Coordinator Search Committee, Spring 2015.  
Rutgers SPH Dean Search Committee, Summer 2016 – January 2017.  
Member, SPH Registrar Search Committee, Summer 2015.  
Chair, Rutgers University Epidemiology and Biostatistics Services (RUBIES) Administrative Manager Search Committee, October 2015 – May 2016.  
Member, SPH Registrar Coordinator Search Committee, Summer 2017.  
Chair, SPH Director of Recruitment and Admissions Search Committee, Summer 2017.  
Member, PhD Qualifying Written Exam Committee, Spring 2021, 2022

#### University-wide

Member of RWJ Institutional Review Board, April 2003-September 2009.  
Member of UMDNJ Strategic Planning Workgroup on Shaping Academic Programs to Meet NJ Workforce Needs, September 2004-February 2005.  
Steering Committee for the Survey Research and Qualitative Methods Shared Resource at Cancer Institute of New Jersey, March 2008-July 2010.  
Faculty Senate Exploratory Committee, September 2007-September 2008.  
Faculty Senate Development and Implementation Committee, October 2008-August 2010.  
Member RHBS Strategic Planning Group, Spring 2014.  
Member of two working groups (Global Health, Public Health) for the Strategic Planning Process, Spring 2014.  
Member of Steering Committee for RHBS Strategic Plan, Fall 2014-Fall 2018.  
Member of RBHS Committee for Review of School of Public Health, April-December 2022

#### The Cancer Institute of New Jersey

Member of CINJ's Survey Research and Qualitative Methods Shared Resource Steering Committee, March 2008 – July 2010.

#### AdHoc Reviewer for the following journals:

Journal of Biopharmaceutical Sciences  
Biometrics  
Statistics and Probability Letters  
Contemporary Clinical Trials  
Annals of Family Medicine  
Neurotoxicology  
American Journal of Managed Care  
Journal of Clinical Oncology  
Journal of the Royal Statistics Society Series B  
Preventive Medicine  
Health Services Research  
Journal of Environmental and Public Health  
Environmental Science and Technology  
Advances in Statistics

#### DATA SAFETY AND MONITORING BOARDS

Lynn Clemow (Department of Family Medicine, UMDNJ-RWJMS): RESpirate – “RCT of Controlled Breathing Effects of Ambulatory BP” 8/2010-4/2015  
Sharon Manne (Cancer Institute): “Facilitating Parent Adaptation to Pediatric Transplant: The P-SCIP Trial”) R01 Cancer Institute Protocol #130906, 7/2009-3/2016

Sharon Manne (Cancer Institute): “Psychological Interventions for Gynecologic Cancer” R01 Cancer Institute Protocol #130909, 05/2013- 06/2016.

#### TEACHING RESPONSIBILITIES:

Applied Categorical Data Analysis: Fall 2001, Spring 2003, 2004, 2005, 2007, 2008 & 2010, Fall 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2020, 2021

Introduction to Biostatistics: Fall 2002, 2003, 2004, 2005, 2015, 2016, 2018, Spring 2019, Summer 2019, 2020, 2021, 2022

Regression for Public Health Studies: Summer 2006, Fall 2006, Summer 2008

Biocomputing II: Spring 2006

Clinical Trials: Fall 2008, 2009, 2010

Independent Study: Structural Equation Modeling, Spring 2020

Independent Study: Survey and Sampling Methods in Statistics, Spring 2021

Calculus Bootcamp for MPH students entering Theory of Probability and Statistics, Summers 2017, 2018, 2019, 2020, 2021

#### Advising and Mentoring of MPH and PhD Students

Course advisor for MPH and PhD students

Fieldwork/Capstone advisor for graduated MPH students (Biostatistics – Yuhui Ma, 2004; Lakaisha Bullock, 2004; Keith Baldwin, 2006; Emily Lauer awarded The Stuart D. Cook, M.D.--MPH Student Public Health Research Award, 2009; Roberto Lopez, 2012; Chris Black awarded The Stuart D. Cook, M.D.--MPH Student Public Health Research Award, 2012; Stephanie Chung, 2012; Sreevalsa Unniachan Appukkuttan, 2012; Daniel Schaer, 2013; Paul Wolujewicz, 2013; Aayush Visaria, 2017; Diego Salazar, 2017; Emily Wang, 2018; Niti Trivedi, 2018, Kena Patel, 2019; Alison Hernandez, 2019; Konstantina Tsintsifas, 2020; McKenzie Black, 2020; Philomina Obi, 2020; Mahalakshmi Ganesan, 2020; Sarah Alavi, 2021; Valerie Cadorett, May 2022; Andrea Chellaraj – awarded the Stuart Cook Excellence in Research Award for MPH in Biostatistics, May 2022; Adrian Breckheimer, May 2022; 2 Epidemiology – Vashun Rodriguez, Meghal Patel; Stephanie Powell, May 2022)

Thesis advisor for graduated MS students (Biostatistics, Xinyang Cao, 2014; Asa Dewan, 2015; Felipe Munoz, 2016; Deli Cao, 2017; Zifun Guo, 2022; Rachel Lee – won Stuart Cook Excellence in Research award for MS, May 2022)

Biostatistics Dissertation Chair for 3 graduated PhD/DrPH students (Susan Huyck, 2008; Yuhui Ma, 2011; Jing Gong, 2012)

Social Behavioral Health Sciences, Dissertation Co-Chair (with Louise Weidner): Claire O’Connell, 2019  
Epidemiology, Dissertation Co-Chair (with Mark Robson): Mohammed Elsaid, 2020.

Biostatistics Doctoral advisor for one DrPH student: Asa Dewan

Biostatistics/Statistics Dissertation Committee Member for 1 graduated PhD/DrPH students (Aiyang Tao, 2008 & 2 additional students at Rutgers Statistics, including Yaoshi Wu, 2015)

Served on numerous Epidemiology and Environmental & Occupational Health Sciences Dissertation committees (Thomas Burke, EPI, 2006; Stella Tsai, ENOH, 2007; Luella Englehart, EPI, 2008; InKyu (Paul) Han, ENOH, 2008; Brett Hagman, HEBS, 2009; Bijal Balasubramanian, EPI, 2010; Chizoba Nwankwo, ENOH, 2010; Edmund Malka, EPI, 2011; Daniel Gunderson, HEBS, 2011; Thomas Rhodes, EPID, 2011; Jicheng Gong, ENOH, 2011; Sampada Ghandi, EPID, 2013; Shanthy Krishnarajan, EPID, 2013; Amy Abruzzi, EPID, 2013; Kimberly Woodruff, EPI, 2013; Brent Altemose, ENOH, 2014; Ashley Mapou, ENOH, 2015; Nancy Lashway, ENOH, 2015; Laura Liang, HEBS, 2015; Megan Rockafellow; ENOH, 2016; Manthan Shah, ENOH, 2016; Eric Lauer, 2017; Neetu Jain, 2017; Lisa McHugh, 2018; Mawuena Querco, 2019; Lisa McHugh, 2019; Chris Black, 2019; Nan Ji, 2020)

Outside Dissertation Committee Member for Epidemiology PhD: Emily Lauer at University of Massachusetts, Worcester, May 2022

Course/Capstone Advisor for several current MPH students

Advisor for undergraduate RISE scholars, Summer 2005 (Alisa Stephens) & Summer 2010 (Mariangely Almenas-Santiago)

Supervisor for Rutgers Undergraduate Intern in Public Health, Spring 2009 (Chris Black)

Rutgers Guest Lectures

Participated as Faculty Mentor for 3 sessions of Funding for Research (MCTS 5106S) as part of the clinical and translational science MS program out of GSBS/RWJMS, Spring 2013 and 2014

“Data Handling and Statistical Analysis” Presentation for Research Education Series for Faculty Development at RWJMS (Course Directors: Fielder and Swee), Fall 2014 & 2015

Sampling Lecture in Epidemiology Research Methods Course, 2002 -2012, 2014, 2105, 2016, 2017

“Basics of Statistics” to Emergency Medicine Residents (August 2014) and Rheumatology Research Group (Fall 2015)

GRANT SUPPORT (amounts listed are total direct amount):

***Support for Center Grants:***

Cancer Center Support Grant, Member Biometrics Facility Core, PIs: Bob DiPaola (until 2013) / Libuti, 2004-ongoing. (2013 Annual budget: \$2,073,475), 5% effort.

Research Center in Environmental health Science, currently Director Biostatistics Facility Core, PI: Helmut Zarbl, 2001-ongoing. (2013 Annual budget: \$495,701), 10% effort.

***Co-Investigator, ongoing:***

“Adapting and Implementing Evidence-based Breast Cancer Follow-up in Primary Care”, Co-I NCI, #1R01CA257197. PI: Hudson, July 2021-June 2026

“Ready and Healthy for Kindergarten: A Primary Care Innovation to Promote a 360-degree View of Child Health”

AHRQ, #R19HS028574-01. PI: Jiminez, December 2021-2026.

“Emerging Mycoestrogens: Impacts on Placental and Early Childhood Growth”

NIEHS, #1R211ES032047-10A1, PI: Rivera-Nunez, May 2021-April 2023

“Bright Ideas – Young Adults Problem-Solving Skills Training to Reduce Distress Among Young Adults with Cancer,” Co-I.

NCI, #R37CA240807-01A1. PI: Devine, April 2020 – March 2025.

“Addressing Disparities in Language and Social-Emotional Skill Acquisition Through Literacy Promotion in Primary Care,” Co-I.

NICHHD #R01HD099125. PI: Jimenez, May 2020 – February 2025.

“Exposure to PFNA and other PFAS in Drinking Water and Associations with Health-related Outcomes in Gloucester County NJ”, Co-I

NIH/CDC #5U01TS000304. PI: Laumbach, September 2019-September 2024

“Perceptions and Impact of Modified Risk Tobacco Product Communication Messages,” Co-I.

NCI, #R37CA222002-02, PI: Wackowski, April 2018-March 2022.

“Placental Responses to Environmental Chemicals,” Co-I.

NIEHS, #R01ES029275-01, PIs: Aleksunes / Barrett, \$400,000 (direct), March 2018-February 2023. 10%.

***Co-Investigator, funding completed, analyses/manuscript preparation ongoing:***

“Impact of Prenatal Insecticide Exposure on Neurodevelopmental Trajectories in A Thai Birth Cohort:

Building Exposure Science And Neurodevelopmental Research Capacity In Thailand,” Co-I

NIEHS, #1R01ES026082, Co-PIs: Barr & Fiedler, \$467,661, September 30, 2016-August 31, 2021.

“Improving Transition Readiness in Adolescent and Young Adult (AYA) Survivors of Childhood Cancer,” Co-I. NCI, #R21CA222936-02. PI: Devine. June 2018-May 2020.

“Activated Macrophages and Ozone Toxicity, Co-I.  
NIEHS #5R01ES004538-25. PI: Laskin, June 2016-December 2020.

“Extended Cancer Education for Longer-term Survivors (EXCELS) in Primary Care,” Co-I  
National Cancer Institute # R01CA176838-01A1, PI: Hudson, \$472,862, December 1, 2013 – November 30, 2018, 10% effort

“Air Pollution Particle effects on Human Antimycobacterial Immunity,” Co-I  
NIEHS, Grant # R01 ES020382, PI: Stephan Schwander, \$3,558,069 (entire period), October 1, 2012 – November 30, 2016. No cost extension. 10% effort

“Increasing Live Donor Kidney Transplant Among Blacks on the Transplant Waitlist,” Co-I (subcontract to Rutgers SPH) NIH/NIDDK R01-DK-098744, PI: Weng, \$12,297 (Rutgers annual subcontract), September 27, 2012 – August 31, 2017. No cost extension. 5% effort.

“Effect of Stress and Traffic Pollutants on Childhood Asthma in an Urban Community,” Co-I  
EPA, Grant # RD-83457901, PI: Robert Laumbach, \$1,249,960 (entire period), June 1, 2010 – May 30, 2014, 5% effort.

***Primary Investigator, completed:***

“Reducing Health Disparities by Decreasing Weight Bias in Community Healthcare Settings,” Co-I  
National Cancer Institute # 1R21CA165939-010, PI: Ferrante, \$97,857, January 18, 2013 – December 31, 2014, 5% effort

“COPD susceptibility to procoagulant effects of traffic-generated particulate air pollution,” Co-I  
CEED/NIEHS pilot grant, PI: Sabiha Hussain, 2009-2010, in kind effort

“PCMH implementation strategies: implications for cancer survivor care,” Co-I,  
National Cancer Institute, PI: Benjamin F Crabtree, \$497,878, 09/01/2013-08/31/2016, 5% effort.

“Life after cancer: Examining survivor transitions from specialist to primary care”, Co-I,  
National Cancer Institute, PI: Shawna Hudson, \$112,000, \$643,361, 08/01/2008-07/31/2013, 5%, 5%, 5%, 5% effort.

“Chemoprevention of Breast and Prostate Cancers in Shift Workers by Dietary Methylselenocysteine: Effects of Circadian Rhythm and Estrogen Receptor-( $\beta$ ) Cycling,” Co-I  
V Foundation, Translation Research Grant, PI: Helmut Zarbl, \$180,000, November 1, 2008 – October 31, 2011

“Altered NAD<sup>+</sup>-dependent Sirt1 as a biomarker of Circadian disruption by shift work,” Co-I  
NIEHS, #R21ES026802, PI: Fang, \$396,750, September 2017-August 2019.

“An Internet-Based Behavioral Intervention for Individuals Diagnosed with Melanoma,” Co-I  
National Cancer Institute, #R01CA171666, PI: Coups, \$1,707,519, May 1, 2014-April 30, 2019, 5%,

“Virtual Weight Loss Program for African-American Breast Cancer Survivors,” Co-I  
National Cancer Institute #1R21CA191431-01A1, PI: Ferrante, \$380,407, July 1 2015 – June 30, 2017. 3.5%.

“Modifying Young Adults Skin Cancer Risk and Protective Behavior (UV4.ME2): A Hybrid Type 2 Dissemination/Effectiveness Trial.” Co-I.  
NCI, #R01CA204271-05. PI: Heckman, December 2016-November 2021.

“Analysis and Design of Clustered Survival Data”, PI  
UMDNJ Foundation, \$24,398, July 1, 2003 – June 30, 2004

“Time Series Models of Ozone in NJ,” PI  
NJ-DEP Contract, \$10,000, July 1, 2003 – June 30, 2004

“Lead Exposure, HPA Axis Dysfunction, and Blood Pressure: Hypertension Risk”, Co-I  
NIOSH, Grant #1 R21 ESO15135, PI: Nancy Fiedler, \$169,883, \$485,488, September 1, 2006-  
August 31, 2009, 5% effort.

“Relation between Airborne Pollen Concentrations and Daily Cardiovascular Hospital Admissions”, PI  
UMDNJ Foundation, Grant #39-08, \$20,000, July 1, 2007- June 30, 2008 (under no cost extension), 10%  
effort.

***Co-Investigator, completed:***

“Neurobehavioral Effects of Pesticide Exposure Among Children in Rural Thailand,” Co-I  
NIH/Fogarty Grant, Grant #1R21 ESO18722-01, PI: Nancy Fiedler, \$217,563 [direct], May 14, 2010 – April  
30, 2012, 5% effort

“Responses to drastic changes in air pollution: reversibility and susceptibility”, Co-I  
NIEHS, Grant # R01 ES015864-01A1, PI: Jim Zhang, \$256,122, \$1,178,867, January 15, 2008 –  
November 30, 2010, 5%, 5%, 5% effort.

“Changes in Physical Activity and Diet in Colorectal Cancer Survivors”, Co-I  
NIH, Grant # 1R21CA131611, PI: Elliot Coups, \$161,462 (2010 direct), 09/28/2009–08/31/2011, 5% effort

“The Effects of Diesel Exhaust and Stress on the Acute Phase Response and Symptoms in the Chemically  
Intolerant,” Co-I.  
Department of Defense, Grant #DAMD17-BA-GWIR, PI: Nancy Fiedler, \$334,326, \$1,042,079, August 1,  
2003 – August 31, 2006, 5%, 5%, 15% effort.

“Respiratory Effects of Silver and Carbon Nanomaterials (RESAC),” Co-I  
NIEHS, Grant # 1U19ES019536, PI: Jim Zhang, \$826,595 (entire period), September 10, 2010 –  
April 30, 2015, 5% effort.

“The Impact of Air Pollution Reductions During the Beijing Olympics on Pre-term Birth,” Co-I  
NIEHS, Grant #5 R01 ES019165-02, PI: David Rich, \$266,669 (entire period), August 1, 2010 – March 13,  
2013, 5% effort.

“Peptide Deformylase Inhibitor LBM415 for Sexually Transmitted Infections,” Consultant  
NIH/NIAID, Grant #4R33AI071954, PI: Huizhou Fan, \$645,356, September 1, 2009 – August 31, 2012

“Life After Cancer: Examining Survivor Transitions from Specialist to Primary Care - Study 1 Qualitative  
Data Collection and Survey”, Co-I,  
DOD, Cancer Institute of New Jersey, PI: Shawna Hudson, \$65,000, 07/01/2008-06/30/2009.

“Solvent Exposure: Functional Imaging and Behavior,” Co-I  
NIOSH, Centers for Disease Control and Prevention, Grant #1R01 OH008198-02, PI: Nancy Fiedler,  
\$484,944, \$1,413,090, September 1, 2004 – August 31, 2007, 5%, 5%, 15% effort.

“Organizational self-assessment to improve diabetes care in primary care practices”, Co-I  
National Institute Diabetes and Digestive and Kidney Disease, Grant #1 R34DK075417 - 01A2, PI: Jesse  
Crosson, \$468,000 (entire period), May 15, 2008 – April 30, 2011, 5% effort.

“Responses to Fresh Aerosol in Susceptible Subjects,” Co-I

EPA, Grant #R832144, PI: Howard Kipen, \$388,750, \$1,000,000, September 1, 2004 – August 30 2009, 5%, 5%, 5%, 10% effort.

“Enhancing Colorectal CA Screening through Learning Teams”, Co-I  
National Cancer Institute, Grant #R01 CA112387-01, PI: Benjamin Crabtree, \$608,411,  
\$1,927,560, July 1, 2005 – June 30, 2010, 15% effort.

“Refined exposure surrogates for ambient PM in epidemiology studies: accounting for temporal /spatial variations in infiltration,” Co-I  
EPA, PI: David Rich, \$55,735, 2009-2010, 5% effort

“Taking Action by Learning and Knowledge Management to Improve Diabetes Mellitus,” Co-I  
NIDDK Grant # R34DK083470, PI: Lynn Clemow, \$300,000 [direct], 5% effort.

“Enhancing the theory and practice of CQI through a better understanding of organizational capacities,”  
Co-I  
RobertWood Johnson Foundation, PI: Deborah J Cohen, \$98,351 (Annual), 2008-2010, 3% effort

“Patterns of Nurse-Physician Relationships,” Co-I  
National Institute of Nursing Health Research, NIH #1R03 NR08884-01A1, PI: Barbara DiCiccio-Bloom,  
\$46,250, \$97,234, April 1, 2005 – March 31, 2007, 5% effort.

“Health Effects of Exposures to VOCs, Ozone and Stress,” Co-I  
NIOSH, Grant #1 R01 OHO3691-01, PI: Nancy Fiedler, September 1, 1999 – September 1, 2002, 10%  
effort.

“Human Neurobehavioral Effects of Controlled Exposure to Hydrogen Sulfide,” Co-I  
American Petroleum Institute, Grant #NA, PI: Nancy Fiedler, \$172,669, \$1,010,480, August 1, 2001 –  
January 31, 2006, 5% 5% 10% effort.

“Data Analysis of Data from the NJ Air Deposition Network,” Co-PI.  
New Jersey Department of Environmental Protection, Grant #X982118-01, PI: Weichung Shih, October 1,  
2001 – September 30, 2002, 25% effort.

“Work Organizational Factors and Psychological Distress,” Co-I  
NIOSH/CDC, Grant # 1 R21 OH007713-01, PI: Owunmi Osinubi, \$75,000, \$150,000, June 1, 2002 – May  
30, 2004, 3% effort.

“Effects of Diesel Exhaust and Other Particles on the Exacerbation of Asthma and Other Allergic  
Diseases,” Co-I  
Health Effects Institute, Research Agreement #02-9-2, PI: Jim Zhang, \$200,909, \$418,561, October 15,  
2002-April 15, 2005, 5%, 5%, 15% effort.

National Institute for Environmental and Health Sciences Center, Biostatistics Facility Core Co-Director  
National Institute for Environmental and Health Sciences, Grant #P30 ES05022, PI: Michael Gallo/Cory-  
Slecta, \$51,465, \$6,999,342, April 1, 2003 – April 1, 2008, 8% effort.

“Addressing Cancer Disparities in a Family Practice Setting,” Co-I  
New Jersey Commission on Cancer Research, Grant #03-04-CCR-S0. PI: Shawna Hudson, \$100,000, June  
1, 2003-May 31, 2004, 5% effort.

“Controlled Human Exposure Response Study to Environmental Levels of Hydrogen Sulfide in Normal  
Subjects,” Co-I.  
American Petroleum Institute, Grant #NA, PI: Nancy Fiedler, \$328,618, December 1, 2003-December 31,  
2004, 10% effort.

“Trial to Enhance Adherence to Multiple Guidelines,” Co-I  
National Heart, Lung, and Blood Institute Grant #R01 HL70800-01, PI: Benjamin Crabtree, \$493,546,  
\$2,426,269, August 2002-August 2007, 20% effort.

“Personal and Ambient Exposures to Air Toxics in Camden, New Jersey,” Co-I  
Health Effects Institute, Research Agreement #4703-RFA03-1/30-15, PI: Paul Liroy, \$236,881, \$722,674,  
December 1, 2003 – November 30, 2006, 5%, 2%, 10% effort.

“Capacity Building in Organizational Research,” Consultant  
Agency for Healthcare Research and Quality, Department of Health and Human Services, #1K08  
HS014018-01A1, PI: John Orzano, \$122,485, \$489,980, 2004-2008, 5% effort.

“Validation of Diesel Exhaust Biomarkers,” Co-I  
Environmental Protection Agency (Star grant), PI: Jim Zhang, \$572,497, May 1 2005 – April 30, 2008, 5%,  
5%, 5% effort.

“Diabetic susceptibility to the pro-coagulant effects of traffic generated air pollution”, Co-I  
NIEHS Center (NJ), PI: David Rich, \$29,617, April 1, 2007 – March 31, 2008.

#### PUBLICATIONS:

##### A. Referenced Original Articles in Journals

1. Levine RA, Ohman PA. Repeated challenge studies: a comparison of union-intersection testing with linear modeling. *Psychometrika* 1997; 62:435-455.
2. Ohman PA, Eberly LE. Relating sick building symptoms to environmental conditions and worker characteristics. *Indoor Air* 1998; 8:172-179.
3. Booth JG, Hobert JP, Ohman PA. On the probable error of the ratio of two gamma means. *Biometrika* 1999; 86:439-452.
4. Eberly LE, Ohman PA, Neaton JD, Price P, Abrams D. Kaposi’s sarcoma and CNS disease: a real association or an artifact of the control group? *AIDS* 2000; 14:995-1000. PMID 10853981.
5. Ohman-Strickland PA, Casella G. Approximate and estimated saddlepoint approximations. *Canadian Journal of Statistics* 2002; 30:97-108.
6. Ohman-Strickland PA, Lu S. Estimates, power and sample size calculations for two-sample ordinal outcomes under before-after study designs. *Statistics in Medicine* 2003; 30:97-108. PMID 12754716.
7. Ohman Strickland PA, Casella G. Conditional inference following group sequential testing. *Biometrical Journal* 2003; 45:515-526.
8. Fiedler N, Weisel C, Lynch R, Kelly-McNeil K, Wedeen R, Jones K, Udasin I, Ohman-Strickland P, Gochfeld M. Cognitive effects of chronic exposure to lead and solvents. *American Journal of Industrial Medicine*, 2003; 44:413-423. PMID 14502770.
9. Desir B, Amre DK, Lu S-E, Ohman-Strickland PA, Dubinsky M, Fisher R, Seidman EG. Utility of serum antibodies in determining clinical course in pediatric Crohn’s disease. *Clinical Gastroenterology and Hepatology* 2004; 2:139-146. PMID 15017619.

10. Cohen D, DiCiccio-Bloom B, Headley A, Orzano AJ, Ohman Strickland P, Levine J, Scott J, Crabtree B. Opportunistic approaches for delivering preventive care in illness visits. *Preventive Medicine* 2004; 38:565-573. PMID 15066359.
11. Fiedler N, Giardino N, Natelson B, Ottenweller JE, Weisel C, Lioy P, Lehrer P, Ohman-Strickland P, McNeil K, Kipen H. Responses to controlled diesel vapor exposure among chemically sensitive Gulf War Veterans. *Psychosomatic Medicine* 2004; 66:588-598. PMID 15272108.
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B. Abstracts /Presentations: (only those for which I was the presenter are listed)

Invited:

Conference on Likelihood and Asymptotics, Banff (Alberta), Canada, August, 1997  
Approximated and Estimated Saddlepoint Approximations

Eastern North American Region Spring Meetings, Atlanta, GA, March 1998

Discussant for session organized by John Kolassa: Applications of asymptotics in biostatistics

Division of Biostatistics, University of Minnesota, Minneapolis, MN, May 1998  
On the probable error of two gamma means

Department of Statistics, University of Florida, Gainesville, FL, November 1998  
The EM algorithm from likelihood to estimating equations

Statistics Department, Purdue University, West Lafayette, IN, November 9, 2000  
The EM algorithm from likelihood to estimating equations

Mathematics Department, Northern Illinois University, De Kalb, IL, April 26, 2002  
Specification of the random effects distribution in correlated time-to-event data

Joint Statistical Meetings, New York City, August 15, 2002  
Empirical bayesian frailty modeling

International Conference on Reliability and Survival Analysis, Columbia, SC, May 22, 2003  
Empirical bayesian frailty modeling

Contributed:

Joint Statistical Meetings, Chicago, IL, August 1996  
Relating sick building symptoms to environmental conditions and worker characteristics

Joint Statistical Meetings, Anaheim, CA, August 1997  
Estimated parametric saddlepoint approximations

30<sup>th</sup> Symposium of the Interface: Computing Science and Statistics, Minneapolis, MN, May 1998  
On the probable error of two gamma means

Eastern North American Regions spring meeting, Atlanta, GA, March 1999  
Adapting the EM algorithm to estimating equations

Joint Statistical Meetings & New Researchers Conference, Baltimore, MD, August 1999  
Adapting the EM algorithm for estimating equations

Joint Statistical Meetings, Indianapolis, IN, August 2000  
Changing the frailty distribution in the multivariate proportional hazards model

Joint Statistical Meetings, San Francisco, CA, August 7, 2003  
Estimates, power and sample size calculations for two-sample ordinal outcomes under before-after study designs

10<sup>th</sup> Biennial CDC and ATSDR Symposium on Statistical Methods, Bethesda, MD, March 1, 2005  
Modeling systems with varying numbers of inputs and outputs: an application to cluster randomized trials

North American Primary Care Research Group, Quebec City, October 16, 2005 (poster presentation)  
Modeling systems with varying numbers of inputs and outputs: an application to cluster randomized trials

North American Primary Care Research Group, Tucson, AZ, October 2006 (poster presentation)  
Diabetes care in family medicine practices with nurse practitioners and physician assistants

North American Primary Care Research Group, Vancouver, Canada, October 2007 (poster presentation)  
Effectiveness of components of the Chronic Care Model for diabetes care, diet and exercise counseling and colorectal cancer screening

21<sup>st</sup> Annual Primary Care Research Methods & Statistics Conference, San Antonio, December 2, 2007  
(Seminar) with Raymond Palmer  
Using multilevel factor analysis to evaluate organizational characteristics of primary care practices

UMDNJ-SPH, Department of Biostatistics Journal Club, Piscataway, NJ:  
Frailty model for correlated time-to-event data, January 9, 2001  
Brainstorming: Analyses of symptom reports in acute exposure studies, March 8, 2002  
Empirical Bayesian Frailty Modeling, March 14, 2003  
Data reduction using growth models in protein folding prediction – work in progress, May 14, 2004  
Modeling systems with varying numbers of inputs and outputs: An application to cluster randomized trials, March 2005  
Conditional Odds Ratios for Ordinal Outcomes using Estimating Equations, March 7, 2007  
Modeling effectiveness of internally heterogeneous organizations in the presence of survey non-response: An application to the ULTRA study, October 12, 2007  
Extension of the beta-binomial model to account for baseline in analysis of binary outcomes from cluster randomized trials, December 12, 2008

Other UMDNJ, Piscataway, NJ:  
Public Health Conference for New Brunswick Health Sciences Technology High School, September 28, 2001  
Roundtable discussion of “Roles of a biostatistician”

Fellows Research Series, Department of Family Medicine, April 1, 2003  
The practice and power of sample size calculations

Fellows Research Series, Department of Family Medicine, April 8, 2003  
Sampling Methods

Fellows Research Series, Department of Family Medicine, March 7, 2007  
Hierarchical Modeling of Binary Response Data and Interpretations

C. Invited articles (Reviews, Editorials, etc.) in Journals; Chapters; Books; other Professional Communications

Review of *SPSS for Windows: An introduction to use and interpretation in research* by Morgan, G., Greicgo, O. and Gloeckner, G. *The American Statistician*, 56: 77.

Review of Saddlepoint Approximations with Applications by Ronald Butler. In press. *Journal of the American Statistical Association*, 2009.

Baldwin, K.D.; Ohman-Strickland, P. *Missing Data in Orthopaedic Research*. University of Pennsylvania Orthopaedic Journal. Volume 19, June 2009.