

CURRICULUM VITAE

Sadik A. Khuder, DDS, MPH, PhD

Professor of Medicine, Statistics, and Public Health
Coordinator of the Epidemiology Program
Northwest Ohio Consortium of Public Health
The University of Toledo
3120 Glendale Ave
Toledo, Ohio 43614
Phone: (419) 383-4089

EDUCATION

B.D.S. General Dentistry, University of Baghdad, 1977
M.P.H. Epidemiology, University of Alabama at Birmingham, 1982
Ph.D. Biostatistics, University of Alabama in Birmingham, 1992

National Board of Dental Examination. The American Dental Association, 1996

POST-DOCTORAL FELLOWSHIP

1992-1993 Department of Preventive Medicine and Community Health, University of Texas Medical Branch. Specialty: Epidemiology.

CERTIFIED TRAINING

2002 Summer Institute in Statistical Genetics, North Carolina State University. Genomics and Bioinformatics.

2004 Summer Institute in Statistical Genetics, North Carolina State University. Statistical Genetics.

2011 UT Leadership Certificate, College of Business, University of Toledo

ADDITIONAL TRAINING

2003 Continuing Education Program-International Biometric Society, Pittsburgh, PA. Semi-parametric Methods.

2005 Continuing Education Program-American Statistical Association, Minneapolis, MN. R programming

2005 Continuing Education Program-American Statistical Association, Minneapolis, MN. Monte Carlo Methods in Bioinformatics

ACADEMIC AND RESEARCH APPOINTMENTS:

1989-1990 Statistical Analyst, Department of Biostatistics and Department of Medicine, University of Alabama at Birmingham.

1990-1992 Biostatistician, Department of Medicine, University of Alabama at Birmingham

1992-1993 Biostatistician, Cancer Center & Instructor, Department of Preventive Medicine and Community Health, University of Texas Medical Branch

1994-1998 Assistant Professor, Department of Medicine, Medical College of Ohio.

1997-1998 Assistant Professor, Department of Public Health, Medical College of Ohio.

1998-2001 Associate Professor, Department of Medicine and Department of Public Health, Medical College of Ohio.

2001-2003 Tenured Associate Professor, Department of Medicine and Department of Public Health, Medical College of Ohio.

2004-present Tenured Professor, Department of Medicine and Department of Public Health and Preventive Medicine, College of Medicine, University of Toledo (formerly Medical College of Ohio).

2003-present Professor, Bioinformatics program, University of Toledo and Bowling Green State University.

2003-present Coordinator of the Epidemiology program, Northwest Ohio Consortium of Public Health.

2005-present Senior biostatistician, Jacobson Center for Clinical and Translational Research, University of Toledo.

2014-present Professor, Department of Mathematics & Statistics, College of Natural Sciences, and Mathematics, University of Toledo.

NATIONAL AND INTERNATIONAL PROFESSIONAL SOCIETIES

American Statistical Association	1992-present
American Public Health Association	1994-present
International Society for Computational Biology	2012-present
American Society for Epidemiologic Research	1994-2009
International Biometric Society	1994-2008
The Society for Clinical Trials	1994-2008
International Society for Clinical Biostatistics	1994-2007
International Association for the Study of Lung Cancer	2000-2008

AWARDS AND COMMENDATIONS:

Richard Anderson Research Award / Southern Regional Council on Statistics 1992.

International Association for the Study of Lung Cancer / Grant for invited paper in the 9th World Conference on Lung Cancer - Japan, September 2000.

FIELDS OF MAJOR SCIENTIFIC RESEARCH INTEREST:

Smoking and lung cancer, autoimmune diseases, categorical data analysis, meta-analysis, and

statistical applications to genomics & proteomics.

GRANTS

I. CURRENT FUNDED GRANTS

ProMedica Ebeid Institute for Population Health Evaluation 10/01/2015 -- 10/01/2019 Funding Agency: ProMedica Health System Role in the project: Co-Principal Investigator	\$100,000
Inherited Genetic Risk Factors Common to COPD and Lung Cancer 07/01/2011 -- 04/30/2015 Funding Agency: NHLBI – National Heart, Lung & Blood Institute Role in the project: Co-Investigator	\$289,686
Risk stratification for sensitized patients in Kidney Paired Donation program 07/01/2014 -- 06/30/2016 Funding Agency: National Institute of Allergy & Infectious Diseases Role in the project: Statistician	\$150,000
Small Randomized Trial: Multicomponent Home-based Therapy in Parkinson's Disease 01/01/2008 -- 12/31/2015 Funding Agency: UTHSC - University of Toledo, Health Science Campus Role in the Project: Co-Investigator	\$80,000
Cost-effectiveness of Iliac Stenting Procedures 12/28/2012 -- 12/27/2015 Funding Agency: AtriumMed - Atrium Medical Role in the project: Co-Investigator	\$11,810
II COMPLETED FUNDED GRANTS	
Effects of Nia Exercise Shoulder and Arm Mobility in Women with Breast Cancer 11/01/2011 -- 03/31/2015 Funding Agency: PRO HLTH S - ProMedica Health System Role in the project: Co-Investigator	\$25,000
Regulation of IL-6 mediated inflammation and tissue destruction by EGCG 04/01/2013 -- 03/31/2018 Funding Agency: NIAMS-National Institute of Arthritis, Musculoskeletal, Skin Diseases Role in the Project: Consultant	\$212,500
Choose Ohio First Scholarship Program 07/01/2008 -- 06/30/2014 Funding Agency: OBR - Ohio Board of Regents	\$37,600

Role in the project: Co-Investigator

Elderly Immune Response to Pneumococcal Polysaccharide

06/15/2010 -- 05/31/2014

Funding Agency: National Institute on Aging

\$255,000

Role in the project: Statistician

Improvement in Paired Donation Program

05/15/2010 -- 04/30/2014

Funding Agency: NIH - National Institutes of Health

\$255,000

Role in the project: Statistician

Implementation of Innovative RNA Sample Quality Control Methods

03/11/2010 -- 02/28/2012

Funding Agency: NCI - National Cancer Institute

\$132,908

Role in the project: Statistician

Mechanisms Driving Cortical Cytoskeleton Dynamics in Cancer Cell Invasion

07/01/2010 -- 05/31/2015

Funding Agency: NIH - National Institutes of Health

\$207,500

Role in the project: Consultant

Regulation of Melanocyte Differentiation by SWI/SNF Chromatin Remodeling Enzymes

09/17/2010 -- 05/31/2015

Funding Agency: NIH - National Institutes of Health

\$236,447

Role in the project: Co-Investigator

Outcomes of Implementation of the LTC Foley Insertion, Removal and Maintenance (FIRM) Protocol

11/15/2010 -- 11/16/2011

Funding Agency: MEDLINE - Medline Industries, Inc

\$92,765

Role in the project: Statistician

Monitoring Agricultural Sewage Sludge, OH

09/01/2009 -- 08/31/2014

Funding Agency: USDA- U.S. Department of Agriculture

\$1000,000

Role in the project: Co-Investigator

Effect of Sirolimus on Cyst Regression in Renal Transplant Recipient with Polycystic Kidney Disease

09/06/2006 -- 09/05/2009

Funding Agency: Wyeth Pharmaceuticals

\$80,000

Role in the project: Statistician

Crystalline Silica and RSP Control Methods Effectiveness During Concrete Grinding

09/01/2007 -- 08/31/2009

Funding Agency: National Institute for Occupational Safety

125,000

Role in the project: Statistician

Occupational Health Training Grant

07/01/2005 -- 06/30/2009

Funding Agency: National Institute for Occupational Safety and Health \$84,582

Role in the project: Preceptor

Standardized Gene Expression Core Facility Development

05/01/2002 -- 04/30/2008

Funding Agency: NCI – National Cancer Institute \$112,566

Role in the project: Statistician

The inter-institutional development and implementation of a comprehensive curriculum in bioinformatics, with particular focus on computer lab modules."

Funding Agency: Stranahan through MUO Foundation

11/01/2004 - 05/31/07

Role in the project: Preceptor

Community Based Program Evaluation Consultants

11/01/2002 – 10/31/2006

Funding Agency: Ohio Tobacco Use Prevention and Control Foundation \$50,364

Role in the project: Principal Investigator / Subcontract with main campus

Lung Cancer Diagnostic Test Validation in FNA Specimens

08/12/2004 -- 07/31/2007

Funding Agency: NCI – National Cancer Institute \$96,213

Role in the project: Statistician

Farm Family Total Noise Exposure Assessment

04/12/2004 -- 03/31/2007

Funding Agency: NIOSH–National Institute for Occupational Safety and Health \$50,000

Role in the project: Statistician

In-Home, On-Line Support for Caregivers of Persons with Stroke

01/01/2002 – 12/31/2002

Funding Agency: REHAB N FN – Rehabilitation Nursing Foundation \$5,000

Role in the project: Co-Investigator

The Caring-web: Web-based Support for Stroke Caregivers

02/01/2002 – 12/31/2005

Funding Agency: NINR- National Institute of Nursing Research \$184,000

Role in the project: Co-Investigator

Gene Expression Indices in Chemoresistant Lung Cancer

09/30/1999 - - 03/31/2004

Funding Agency: NCI – National Cancer Institute \$140,512

Role in the project: Statistician
 Shared Resources for Scientist Not at NCI Funded Cancer Centers
 05/01/2002 - - 04/30/2007
 Funding Agency: NCI – National Cancer Institute \$196,878
 Role in the project: Statistician

Preventing Falls in Elderly Persons Receiving Primary Care
 01/15/2001 – 01/15/2003
 Funding Agency: HCR M FN-HCR Manor Care Foundation \$27,273
 Role in the project: Co-Investigator

Testing a Functional Approach in Subacute Rehabilitation
 02/01/2002 – 01/31/2004
 Funding Agency: National Institute of Child Health & Human Development \$ 50,000
 Role in the project: Co-Investigator

A technology-Enhanced, Multi-Institutional Master of Public Health Program
 06/01/2002 – 04/30/2004
 Funding Agency: OBR – Ohio Board of Regents \$252,135
 Role in the project: Co-Investigator

Effect of Strength Training on Function & Pain in OA
 06/15/1998 -- 05/31/2001
 Funding Agency: NINR- National Institute of Nursing Research \$80,309
 Role in the project: Statistician

Exercise Mode & Health Status Indices in the Elderly
 07/01/2000 -- 05/31/2001
 Funding Agency: NINR- National Institute of Nursing Research \$221,322
 NIA - National Institute on Aging
 Role in the project: Statistician

JOURNAL EDITORIAL BOARD

Standing Editor- Journal of Anesthesia & Clinical Research
 Editorial Board: Biomedical Research International: Public Health
 Editorial Board: Advances in Medicine: Public Health
 Editorial Board: Translation: The University of Toledo Journal of Medical Sciences
 Statistical Advisor and member of the Editorial Board of Open Dentistry Journal.

JOURNAL PEER REVIEW

1. Addiction
2. Addictive Behaviors
3. American Journal of Epidemiology
4. BMC Cancer

5. BMC Research Notes
6. BMC Psychiatry
7. BMC Public Health
8. Breast Cancer Research and Treatment
9. British Journal of Medicine & Medical research
10. Canadian Medical Association Journal
11. International Journal of Cancer
12. International Journal of Environmental Research and Public Health
13. International Journal of Molecular Sciences
14. Journal of Addiction Research & Therapy
15. Journal of General Internal Medicine
16. Journal of Headache and Pain
17. Journal of Rheumatology
18. Journal of Rural Health
19. Journal of School Health
20. Journal of the American Heart Association
21. Journal of the Royal Society Interface
22. Journal of Toxicology and Environmental Health
23. Journal of Women's Health
24. Leukemia Research
25. Lung Cancer
26. Neuroscience
27. Nicotine and Tobacco research
28. Occupational and Environmental Medicine
29. Oncogene
30. Open Journal of Pediatrics
31. Pesticide Biochemistry and Physiology
32. PLOS ONE
33. Preventing Chronic Disease
34. Preventive Medicine
35. Science of the Total Environment
36. Systematic Reviews
37. Tobacco Control

SCIENTIFIC MEETINGS PEER REVIEW

The 16th Pacific Symposium on Biocomputing, Hawaii, January 3-7, 2011

American Public Health Association: 142nd APHA Annual Meeting and Exposition (November 15 - November 19, 2014). Extended Epidemiology program- 8-10-2014, Section on Statistics 3-15-2014, Section on Epidemiology- 3-07-2014

American Public Health Association: 143rd APHA Annual Meeting and Exposition (October 31- November 4, 2015). Section on Statistics- 3-16-2015.

EXTRAMURAL SERVICE

2002 Epidemiology faculty search committee, University of Toledo, Ohio

2002 Bioinformatics faculty search committee, Medical College of Ohio
 2005 Public Health faculty search committee, Medical University of Ohio
 2010 Research Coordinator search committee, Jacobson Center for Clinical Research

COMMUNITY SERVICE

Perrysburg School system- Investigating ovarian cancer cases among staff members of elementary school in the city of Perrysburg, 2003

Northwest Ohio Tobacco Control Strategic Alliance Youth Prevention and Cessation Task Force for Lucas County- 2002-2007

National Multiple Sclerosis Society Northwestern Ohio Chapter – 2009-present

Lucas County Health Assessment 2008-present

TEACHING

1. SCHEDULED GRADUATE TEACHING

A. Current Teaching Assignment in the MPH program

PUBH 611 Categorical Data Analysis
 Course Coordinator and 100% teaching effort
 Fall semester – 2004-present
 Number of students 10-15

PUBH 613 Molecular Epidemiology
 Course Coordinator and 100% teaching effort
 Fall semester – 2005-present
 Number of students 25-45

PUBH 615 Clinical Epidemiology
 Course Coordinator and 100% teaching effort
 Spring semester – 2004-2007, 100% DL course (2008-present)
 Number of students 30-45

PUBH 606 Advanced Biostatistics
 Course Coordinator and 100% teaching effort
 Spring semester – 1998-present
 Number of students 45-60

PUBH 603 Advanced Epidemiology
 Course Coordinator and 100% teaching effort
 Summer semester – 1998-present
 Number of students 45-60

PUBH 679 Independent Study in Biostatistics
 Every semester – 1996-present
 Number of students 1-2 per semester

B. Current Teaching Assignment in the Bioinformatics program

BIPG 520 Statistical Methods in Bioinformatics
 Course Coordinator and 100% teaching effort
 Fall semester – 2003-present
 Number of students 10-15

BIPG 550 Microarray Analysis
 Course Coordinator and 100% teaching effort
 Summer semester (1 hour credit) – 2009-present
 Number of students 5-10

C. Current Teaching Assignment in the MSBS/PhD program

BSMP 532/732 Statistical Methods I
 Course Coordinator and 100% teaching effort
 Spring semester – 2001-present
 Number of students 20-30

D. Past Teaching Assignment

PUBH 600 Public Health Statistics 1996-2004
 PUBH 601 Public Health Epidemiology 1996-2003
 MEDI 532 Introductory Biostatistics 1995-2001
 MEDI 605 Advanced Biostatistics 1995-2000
 OCCH 602 Research Methods 1996-1997

2. SCHEDULED RESIDENT TEACHING ASSIGNMENT

Journal Club: Internal Medicine 1994-1998
 Journal Club : Physical Medicine and Rehabilitation 1998-2003
 Statistics and Epidemiology: Orthopaedic Surgery 1997-present
 Biostatistics and Research: Cardiology 1996-2000

3. SCHEDULED SEMINARS

A. Grand Round – Department of Medicine

Epidemiology of lung cancer	Oct 2000
NSAID for the prevention of breast cancer	Aug 2001
Microarrays in medical research	Nov 2002
Molecular Epidemiology	Oct 2003
SNIPing away at complex diseases	Sept 2004
Epidemiology and prognostic factors for ESRD	Mar 2007
Evidence Based Medicine: Clinical vs statistical significance	July 2009.
Primary prevention of cardiovascular diseases: Evidence-based public health	Apr 2013.
Dry mouth: Epidemiology, diagnosis and management	July, 2015.

B. Grand Round – Department of Public Health

Stair Walk & Cell Phones: Evidence-Based Public Health.	March 2012
Measuring compassion in health care	March 2013
OMICs and Public Health.	April 2014

C. Research Seminar - Department of Medicine

Data monitoring and safety	Mar 2002
Center for Clinical Research: A valuable resource for clinical investigators.	Jan 2006
Predictive models for ESRD	Mar 2007
Clinical research on existing data bases	Oct 2008
Finding common autoimmune disease genes by combining microarray experiments	Jan 2010
Hyposalivation, Xerostomia, and Sjogren's Syndrome.	January 2014

D. Other Research Seminar

Statistics and research design. Oncology fellows Research, October 4, 2013. Dana Cancer Center

Designing clinical research. Gynecology residents, fellows, and faculty seminar, October 14, 2013.

Improving the care for Sjogren's syndrome. Center for Biomarker Research and Individualized Medicine, June 30, 2014.

Statistics in the ObGyn literature. Gynecology residents and fellows seminar, November 5, 2015.

Survival analysis for clinical research. Oncology fellows Research, November 6, 2015. Dana Cancer Center.

Statistics in pulmonary medicine literature. Pulmonary medicine residents, fellows, and faculty seminar, November 13, 2015.

MENTORING FOR THESIS RESEARCH: MSOH & INDUSTRIAL HYGIENE

Tammy Arthur, “Prevalence of infectious diseases and associated symptoms in wastewater treatment employees”, December 1997

Zachary Krabill, “The incidence of work related injuries and illnesses in Ohio hospitals : a comparative study of the workers' compensation claims from 1993 to 1996”, December 1997

Dan Helman, “Worker exposure to airborne chromium and its association with reported clinical symptomology”, December 1997

Linda King, “Reported occupational exposure to HIV : incidence and application of recent recommendations for post-exposure chemoprophylaxis (immune deficiency)”, June 1998

Michele Franketi, “Assessment of complete blood count variations associated with low-level benzene exposure”, June 1998

Steven Kinn, “The effectiveness of safety and health education/training within the plumbing and pipefitting industry of northwestern Ohio”, June 2000

Robert Koedam, “A comparison of the injuries and illnesses experienced by employees in the metal fabrication and nursing home industry in Philadelphia”, December 2001

Meenakshi Kaw, “Meta-analysis of agricultural risk factors for non-Hodgkin's lymphoma 1”, December 2001

Mahdi Jahangir-Blourchian, “Meta-analysis of agricultural risk factors for non-Hodgkin's lymphoma 2”, December 2001

Arif Peshmam, “Environmental risk factors for autoimmune diseases “, December 2003

MENTORING FOR THESIS RESEARCH: BIOINFORMATIC PROGRAM

Eric Haynes, “Identifying common genes from rheumatoid arthritis, systemic lupus, multiple sclerosis and Sjögren's Syndrome by pooling existing microarray data”, June 2013

Nicole Carr, “Data pooling to identify differentially expressed genes in lung cancer of nonsmokers”, expected June 2016.

Yusuf Barudi, “Pooling Microarray and MicroRNA data to identify differentially expressed gene in ovarian polycystic syndrome”, expected June 2017.

MENTORING FOR PROJECT RESEARCH PUBLIC HEALTH PROGRAM

Sharon Nugent, “Smoking as a risk factor for breast cancer”, June 2001

Anumeet Priyadarshi, “Environmental risk factors and Parkinson's disease: a meta-analysis”, June 2001

Vincent J Simon, "Passive smoking as a risk factor for breast cancer", June 2001

Nadra Tyus, "Cockroaches exposure and children risk of asthma", December 2000

Monica H. Leslie, "Smoking as a risk factor for cervical cancer", June 2001

Bishwa Aryal, "Meta-analysis of systemic sclerosis and exposure to solvents", June 2002

Sridhar Agraharam, "Environmental risk factors for rheumatoid arthritis", June 2002

Ravindra Hallur, "Meta-analysis of neuroblastoma and farming", June 2002

Nabeel Herial, "Environmental risk factors for multiple sclerosis", June 2002

Jennifer Wehlwend, "Survey of women attending Western Toledo Health Clinic", June 2006

Melissa Foos, "Urban/rural differences in hospital admissions with multiple sclerosis", June 2007

Nedwa Khan, "Obesity as a risk factor for infection", June 2007

Mohammed Taleb, "The Diagnostic Accuracy of Doppler Echocardiography in Assessment of Pulmonary Artery Systolic Pressure: A Meta-Analysis", June 2008

Rose Jung, "Using Hospital Admission Data to study the prevalence of Parkinson disease in Ohio", June 2007

Ehab A Eltahawy, "Cost-effectiveness of Iliac Stenting Procedures", June 2007

Pablo Serrano, "Obesity as a risk factor for nosocomial infections in trauma patients", December 2008

Fouzia Siddiqui, "Using HCUP data to study stroke in multiple sclerosis patients", June 2010

Loolul Pallikalath Kooloth, "Environmental risk factors for cleft lip and cleft palate", June 2009

Yixing Chen, "Body piercing as risk factor for infection", June 2010

Terah Koch, "Comorbidities associated with Sjögren's syndrome: results from the Nationwide Inpatient Sample", June 2013

Sheetal Chaudhary, "Prevalence and correlates of dry mouth in adult U.S. population using NHANES data", June 2014

Catherin Roth, "Subliminal pictures to stimulate salivary secretion", June 2014.

Hanan Almainani, "Migraine and multiple sclerosis", December 2014

Bismark Kwaah, "GI disease among lupus patients", June 2015.

Monica Williams, “Tobacco use among children in Lucas county“, June 2015.

Yaseen Alastal, “GI disease among scleroderma patients “, June 2015

Tareq Hamad, “GI diseases among multiple sclerosis patients”, June 2015

MENTORING FOR PROJECT RESEARCH MSBS PROGRAM

Peter Bazeley, “QuantCombine an R package for pooling microarray data from different platform”, College of Graduate Studies, December 2010.

Sara Federman (Co-mentors with Anand Mutgi), “COPD in adult U.S. population using 2012 HCUP data”, August 2015.

DISSERTATION COMMITTEE

Dan Cipriani. Application of the Rasch Measurement Model to examine the utility of medical diagnostic tests. Applied Measurement and Statistics (Christine Fox, Chair), 2005

Clinical Psychologists and Smoking Cessation: Treatment Practices and Perceptions. Suoto Akpanudo, Health Education (James Price, Chair), June 2006

D’Anna Mullins. Transcriptional regulation of antioxidant and DNA repair transcript abundance in human bronchial epithelial cells Biomedical Sciences (James Willey , Chair), June 2007

Marlyne Wood. Parental/guardian predictors of well controlled and poorly controlled asthmatic African American youths. Health Education (James Price, Chair), June 2007

Joyce Balls. African American primary care physicians’ perceptions and practices regarding smoking cessation therapy. Health Education (James Price, Chair), June 2009

Michael Valigosky. Infection control perceptions and practices of spiritual care providers: An application of the protection motivation theory. Health Education (Debra Boardley, Chair), June 2009

Sam Shepard. The characterization and utilization of middle-range sequence patterns within the human genome. Bioinformatics (Alexei Fedorov, Chair), June 2010

Ashwin Prakash. Evolution and function of compositional patterns in mammalian genomes. Bioinformatics (Alexei Fedorov, Chair), June 2011

Jennifer Wohlwend. An examination of emergency contraception use by undergraduate college students in the Midwest using the integrated behavioral model. Health Education (Tavis Glassman, Chair), June 2012

April Ames. Application of Geographic Information Systems to investigate the association of health symptoms near biosolid applied fields. Geography (Kevin Czajkowski, chair) June 2014

Shuhao Qiu. Computational simulation and analysis of mutations: nucleotide fixation, allelic age and rare genetic variations in population. Bioinformatics (Alexei Fedorov, Chair), June 2015

Ying Nie. Positional Mapping for Blood Pressure Loci on Rat Chromosome 9. Cardiovascular and Metabolic Diseases (Bina Joe, Chair), June 2015

GRADUATE SCHOOL REPRESENTATIVE

Thesis defense - 1996-present (9)

Dissertation defense 2000-present (4)

THESIS COMMITTEE MSOH & INDUSTRIAL HYGIENE

Page Miller. Measurements of organic vapor emissions from petroleum wastewater treatment vents. (Michael Bisesi, Chair), June 1997

Ralph Caringi. Measurement of airborne volatile organic vapors collected at an oil refinery wastewater treatment operation. (Michael Bisesi, Chair), June 1997

David Breitigam. Particle size distribution analysis on various processes in a beryllia ceramics plant. (Farhang Akbar, Chair), June 1997

Denny Bitovski. Occupational and non-occupational exposure to extremely low frequency magnetic fields of school employees in a Canadian school district. (Farhang Akbar, Chair), June 1997

James Swanson. Evaluation of airborne carbon monoxide gas levels in residential settings and comparison to reported levels in ambient and occupational settings. (Michael Bisesi, Chair), June 1997

Gina Rejent. An evaluation of work related incident trends for a hazardous waste cleanup company. (Farhang Akbar, Chair), June 1997

Barbara Kessler Cotton. Analysis of Arsenic-in Flyash Exposure Derived from Archived Database in Coal Burning Facilities. (Farhang Akbar, Chair), June 1997

Monty Stollar. Comparison of air sampling results for total, inhalable, and respirable particulates at a pulp and paper mill. (Michael Bisesi, Chair), June 1997

Kent Huang. Postural stability and balance of individuals using respirators (Farhang Akbar, Chair), June 1997

Paul Kriwinsky. Stress levels in MRI and CT technicians. (Farhang Akbar, Chair), June 1997

Maureen Sullivan. Comparison of colorimetric and atomic absorption spectrometric analyses for detection of lead in paint. (Michael Bisesi, Chair), June 1997

Frank Petrik. Occupational exposure evaluation of explosive aerosols and vapors and bioaerosols during soil excavation and screening and composting of nitroaromatic and nitroamine contaminated soils. (Michael Bisesi, Chair), June 1997

Owen Wagner. Relationship between OSHA safety and health program assessment (Form 33) and the number of violations. (Farhang Akbar, Chair), June 1998

Gerald Schutt. Exposure of Tube Mill Operators to Extremely Low Frequency Magnetic Fields and Radiofrequency Electromagnetic Fields (Farhang Akbar, Chair), June 1998

David Cronk. Airborne levels of respirable and non-respirable gram-negative bacteria and total bacteria associated with specific phases of municipal wastewater treatment. (Michael Bisesi,

Chair), June 1998

Edgar Pulido. Feasibility of respirators and goggles use to control formaldehyde exposure in gross anatomy laboratories. (Farhang Akbar, Chair), June 1998

Michael Lampl. A perception survey to determine the effectiveness of an ergonomics injury management (EIM) process. (Sandra Woolley, Chair), June 1999

Michael Groh. The industrial hygienists guide to performing effective limited indoor air quality investigations with biological implications. (Michael Bisesi, Chair), June 1999

Barbara Wenzinger. An analysis of the level of lead fume and lead dust present in the lead fabrication area in medical radiation therapy departments. (Michael Bisesi, Chair), June 1999

Yin Tan. Ventilation efficiency in a selected group of restaurants. (Farhang Akbar, Chair), June 2000

Cynthia Twining. Bioaerosol levels of gram-negative bacteria at specific locations within phases of municipal waste water treatment. (Michael Bisesi, Chair), June 2000

Karen McGhee. Comprehensive sampling of total aerobic and anaerobic bacteria at a waste water treatment. (Michael Bisesi, Chair), June 2000

Brigitte Frank. Bioaerosol levels of fungi at specific locations within phases of municipal waste water treatment. (Michael Bisesi, Chair), June 2000

Duan Deboo. Data Analysis Related to Some Indicators of Tobacco Smoke in Restaurants with Designated Smoking and Non-smoking Sections. (Farhang Akbar, Chair), June 2000

Randall Brillhart. Silica dust exposure during concrete grinding in the construction industry. (Farhang Akbar, Chair), June 2000

Rick Scott. StreamKeeper : a two-year investigation of potential biological pollution in the Swan Creek watershed of Northwest Ohio. (Michael Bisesi, Chair), June 2000

Michael Gregory. Trends and causes of occupational fatalities in the United States from 1992 through 1999 : a review (Farhang Akbar, Chair), June 2001

Sam Windom. Controlling environmental tobacco smoke by designating smoking rooms in nursing homes. (Farhang Akbar, Chair), June 2002

Pet Bollenbacher. Surface sampling for fungi in the metalworking fluid environment. (Brian Harrington , Chair), June 2002

Sonia Rosenberger. Biosafety education and training for human, animal, and plant pathogens. (Michael Bisesi, Chair), June 2004

Ken Smigielski. Design and set up of a system for testing HEPA filter efficiency. (Farhang Akbar, Chair), June 2007

Bess Weaver. Solar ultraviolet radiation exposure in outdoor work environment at Bowling Green, Ohio. (Farhang Akbar, Chair), June 2008

Eugene Smith. Skid loader noise exposure assessment in a confinement dairy barn. (Sheryl Milz, Chair), June 2010

THESIS COMMITTEE MSBS

Steven Haller. Marinobufagenin induced uremic cardiomyopathy: the role of passive immunization, rapamycin, and CD40 signaling in the generation of renal fibrosis. (Christopher Cooper, Chair), June 2005

Andrew McSweeney. Identification of candidate genes within blood pressure QTL containing regions using gene expression data. (George Cicila, Chair), June 2008

THESIS COMMITTEE Bioinformatics

Jason Bechtel. Characterization of genomic midrange inhomogeneity. (Alexei Fedorov, Chair), June 2008

Theodor Rais. Conserved signals of non coding RNA across a set of 73 genes associated with autistic spectrum disorders. (Alexei Fedorov, Chair), June 2009

Andrew McSweeney. Genome evolution model (GEM). (Alexei Fedorov, Chair), June 2010

Maryam Nabiyouni. Mega-scale bioinformatics investigation of codon bias in vertebrates. (Alexei Fedorov, Chair), June 2011

Arnab Saha Mandal. Computational analysis of the evolution of non-coding genomic sequences. (Alexei Fedorov, Chair), June 2014.

Ahmad Alkhudhair. (Alexei Fedorov, Chair).

THESIS COMMITTEE Pharmacy

Tessa Hasting. Examining the impact of hybrid pharmacy practice model on medication adherence in patients with metabolic syndrome. Pharmacy (Robert Bechtol, Chair), June 2015.

THESIS COMMITTEE Main Campus

Xuan Li. Planning for spatial analysis of links between Parkinson Disease and pesticide exposure. (Kevin Czajkowski, Chair), December 2011

SERVICE ACTIVITIES**STATISTICAL & EPIDEMIOLOGY CORE UNITS**

-Established Epidemiology and Biostatistics Unit in the Department of Medicine 1995.

-Established Biostatistics Unit in Center for Clinical Research – University of Toledo 2005.

PROGRAM DEVELOPMENT

- Established the Epidemiology major for the Northwest Ohio Consortium of Public Health 2001.
- Major role in the development of the certificate degree program in Bioinformatics 2001.
- Major role in the development of the Bioinformatics MSBS degree program 2005.
- Major role in the accreditation of the MPH program. 1999 , 2003, and 2012.
- Established a program to incorporate Molecular and genomics into the MPH curriculum. 2006.
- Established a program to incorporate evidence-based public health into the MPH curriculum. 2012.
- Currently working on establishing a Biostatistics track in the MPH program.
- Currently working on developing a certificate degree in biostatistics & bioinformatics.

PROGRAM EVALUATION

- Master of Science degree program in Statistics - University of Cincinnati. 2005.
- Doctor of Philosophy degree program in Statistics- Bowling Green State University. 2006.

COMMITTEES, Current

Institutional Animal Care and Use Committee	1996-present
Institutional Review Board	2012-present
Curriculum Evaluation Committee	2014-present

COMMITTEES, Previous

MCO MPH Planning Committee	1995-1996
Bioinformatics Program - Curriculum and Advisory committee	2002-2014
Faculty Senate	2000-2006
Cancer Institute Scientific Advisory Committee	2001-2004
Bioinformatics, Proteomics, Genomics Research Support Subcommittee	2001-2002
MSOH and COH Program - Curriculum and Research committee	1996-1999
Smoking ban Committee- Health Science Campus	2008
Alcohol Tobacco & Other Drug Prevention Committee	2010-2013

Data Safety Monitoring Board

Laser Angioplasty for Critical Limb Ischemia Phase 2 (Spectranetics) [2002-2003]

RESIST trial (PI Christopher Cooper) [2006-2008]

Home-based Therapy in PD (PI David Nelson) [2008-2011]

BOOK CHAPTER

Kevin P. Czajkowski, April Ames, Bhuiyan Alam, Sheryl Milz, Robert Vincent, Wendy McNulty, Timothy W. Ault, Michael Bisesi, Brian Fink, **Sadik Khuder**, Teresa Benko, James Coss, David Czajkowski, Subramania Sritharan, Krishnakumar Nedunuri, Stanislov Nikolov, Jason Witter, and Alison Spongberg. Application of GIS in Evaluating the Potential Impacts of Land Application of Biosolids on Human Health. In N. Hoalst-Pullen, M.W. Patterson (eds.), *Geospatial Technologies in Environmental Management, Geotechnologies and the Environment*, Springer Science+Business Media B.V. 2010

BOOK REVIEW

Design and analysis of cluster randomization trials in health research. Authors: Allen Donner & Neil Klar. Published in the *International Society for Clinical Biostatistics News*, no. 31, 2001.

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SCIENTIFIC PRESENTATIONS

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