

CURRICULUM VITAE**Honglei Chen****EDUCATION**

1993 M.D. TianJin Medical University, Tianjin, China
 1996 M.Sc. Chinese Academy of Preventive Medicine, Beijing, China
 2001 Ph.D. Tufts University, Boston, Massachusetts, United States

ACADEMIC APPOINTMENTS

2001-05 Research Associate (2001-03)
 Instructor (2003-05)
 Harvard School of Public Health, Boston, Massachusetts
 2005-16 Tenure-Track Investigator (2005-13)
 Senior Investigator with Tenure (2013-16)
 Epidemiology Branch, Secondary appointment in the Laboratory of Neurobiology
 (2013-16), National Institute of Environmental Health Sciences, Research Triangle
 Park, North Carolina
 2011-16 Adjunct Associate Professor (2011-14)
 Adjunct Professor (2014-16)
 School of Public Health, University of North Carolina at Chapel Hill, North Carolina
 2016- Professor with Tenure (2016-)
 MSU Research Foundation Distinguished Professor (2021-)
 Department of Epidemiology and Biostatistics, College of Human Medicine,
 Michigan State University, East Lansing, Michigan

OTHER PROFESSIONAL/TRAINING POSITIONS

1992 Intern in Medicine, HuanHu Hospital, TianJin, P.R. China
 1999-00 Visiting Fellow in Cancer Epidemiology, National Cancer Institute, Rockville, Maryland
 2016-19 Special Volunteer, Epidemiology Branch, National Institute of Environmental Health
 Sciences, Research Triangle Park, North Carolina

TEACHING EXPERIENCE***Guest / invited lectures***

2001-03 "Nutritional Epidemiology", Tufts University
 2002 "Design of Epidemiologic Studies for Nutrition Research", Tufts University
 2003-05 "Nutritional Epidemiology", Harvard School of Public Health
 2007-08 "Environmental Epidemiology", University of North Carolina at Chapel Hill
 2017 "Chronic Disease Epidemiology", Indiana University
 2017 "Neuropsychiatric Epidemiology", Michigan State University
 2019 Three guest lectures at Tianjin Medical University
 2023 "The Epidemiology of Parkinson's Disease", University of Michigan

Lead / core instructor

- 2019- "Epidemiology Intersession" (8 2-hour sessions), Michigan State University
 2019-2021 "Neuroepidemiology" (EPI835, lead instructor in 2019 & co-instructor in 2021, 3-credit, biennially), Michigan State University
 2020- "Introductory Epidemiology" (EPI810, lead instructor, 3-credit), Michigan State University

AWARDS AND HONORS

- 1988-93 Scholarship Award for Outstanding Students (TianJin Medical University)
 1990 Wang Ke-Chang Metropolitan Scholarship Award (Advanced Education Committee of TianJin)
 1996 Excellent Thesis Award (Chinese Academy of Preventive Medicine)
 1996-00 Scholarship Award (Tufts University)
 1999-00 Visiting Fellowship Award (National Cancer Institute)
 2002-03 National Research Service Award (National Institutes of Health)
 2019 NIH Director's Award –the Agricultural Health Study Research Team
 2020 MSU AgeAlive 2020 Inaugural Research Award
 2021 MSU Foundation Professor
 2023 Elected Fellow of the American Academy of Neurology (FAAN)

LEADERSHIP TRAINING

- 2014 NIEHS Effective Leadership of Scientists by David Gootnick Associates, NY
 2015 NIEHS Leadership Development Program by the University of Maryland
 2023-24 Academic Leadership Fellows Program with Dr. Douglas Gage, Senior Vice President for Research and Innovation, Michigan State University

PROFESSIONAL SOCIETIES

Society for Epidemiologic Research
 American Academy of Neurology
 Movement Disorders Society
 The Gerontological Society of America
 Association for Chemoreception Sciences
 International Society for Environmental Epidemiology

RESEARCH FUNDING**Since joining MSU in 2016**

W81XWH-17-1-0536 **Chen (mPI)** **\$1,500,000 (Chen)**
Title: Airborne pollutants as triggers of Parkinson's disease via the olfactory system
 Source: DOD Parkinson's Research Program
 Dates: 09/01/2017 – 08/31/2021
 Role: Multi-PI, Principal Investigator for the epidemiology arm
 Goal: To define the role of ambient air pollutants in olfactory impairment among older adults in order to understand the early stages of PD development, using data from the Sister Study.

PF-IMP-1825	Chen (PI)	\$151,399
<i>Title: Prodromal symptoms in the Sister Study</i>		
Source: Parkinson's Foundation		
Dates: 06/01/2018–05/31/2019		
Role: Principal Investigator		
Goal: As part of the inaugural Parkinson's Foundation Impact Award program, the grant supports additional data collection for the afore-mentioned DoD project.		
No Number	Chen (mPI)	\$299,975
<i>Title: Determinants of depression in Parkinson's disease</i>		
Source: Gibby & Friends vs. Parky for Parkinson's Disease Research		
Dates: 06/01/18-05/31/21		
Role: Multi-PI		
Goal: To investigate the role of depression in Parkinson's disease using data from the Swedish patient registry.		
R01ES029227	Chen (PI)	\$4,999,267
<i>Title: Pesticides, Olfaction, and Neurodegeneration Among US Farmers</i>		
Source: NIH/NIEHS		
Dates: 02/01/2019 – 01/31/2024		
Role: Principal Investigator		
Goal: To investigate the roles of pesticides in olfactory impairment among farmers and their relevance to the prodromal development of major neurodegenerative diseases.		
R01AG071517	Chen (PI)	\$2,674,117
<i>Title: Poor sense of smell and the health of older adults</i>		
Source: NIH/NIEHS		
Dates: 06/15/2022 – 02/28/2027		
Role: Principal Investigator		
Goal: To investigate poor olfaction as a facile, early, and noninvasive marker of the deteriorating health of older adults and age acceleration.		
1R01DC021604	Chen (co-I)	\$87,345 (MSU)
<i>Title: Intensive longitudinal assessment of human olfaction</i>		
Name of PD/PI: Steven Munger (University of Virginia), John Hayes (Penn State University)		
Source of Support: NIDCD		
Role: Co-investigator		
Dates: 07/09/2024 – 06/30/2029		
Goal: To repeatedly measure olfactory function in humans under physiological and pathophysiological conditions and in different temporal domains.		
1R01AG091698-01	Chen (contact PI)	\$12,433,102
<i>Pesticide Use and Markers of ADRD Neurodegeneration among US Farmers</i>		
Source: NIH/NIA		
Dates: 3/15/2025 – 1/31/2030		
Role: Contact PI		
Goal: To investigate the role of pesticides in the continuum of ADRD development among farmers.		

Pending**1R01AG091441-01****Chen (mPI)****\$4,173,201***Interplays of olfaction and gustation, diet, gut microbiome, and ADRD neurodegeneration*

Source: NIH/NIA

Dates: 7/2025 – 6/2030

Role: MPI

Goal: To investigate Interplays of olfaction and gustation, diet, gut microbiome, and ADRD neurodegeneration, using data from the Framingham and the Health ABC studies

*Status: pending review results***Before joining MSU (2004-2016, PI and co-PI support/grants only)*****Extramural***

2004-05	NIH KO8*	PI	Diet, gene-diet interactions and risk of Parkinson's	\$122,647
2009-10	Parkinson Study Group	Co-PI	Plasma cholesterol and the progression of Parkinson's disease	\$12,000

* Terminated when I took the NIH intramural position in Jan. 2005, cost for the year 2004 only.

NIH Intramural #

2006-16	ZIAES101986	PI	Prospective Studies on Parkinson's Disease	\$9,607,506
2014-16	ZIAES049030	NIEHS Co-PI	Health Effects of Exposures in Agriculture	\$530,619

Terminated when I left the NIH intramural program, data collection, and analytic costs only, not counting NIH intramural personnel costs.

INVITED PRESENTATIONSTufts University School of Nutrition, Nov. 12th 2025 "Olfaction and the health of older adults – A canary in the coal mine." Boston, MAUniversity of Chapel Hill - Gerardo Heiss Cardiovascular Epidemiology Seminar Spring 2025, Jan 21st, 2025 "Olfaction and the health of older adults – A canary in the coal mine"

Shanghai Huashan Hospital, 2024 Huashan International Cognition and Brain Diseases, Dec. 12, 2024 "Environment, Olfaction, and Neurodegeneration"

Michigan State University, Department of Family Medicine Research Seminar. Oct, 14, 2024 "Olfaction and the health of older adults – A canary in the coal mine"

Shandong First Medical University, China (virtual), May 12, 2024, "Leveraging cohort resources for aging research – an example of studying olfaction loss"

National Institute on Aging, December 6-7, 2023, Bethesda, Maryland, NIA Symposium on Olfactory Dysfunction in Aging and Neurodegenerative Disease: "Poor Olfaction and the Health of Old Adults Beyond ADRD".

Michigan State University Institute of Integrative Toxicology, September 19, 2023: "The study of olfaction: environment, prodromal neurodegeneration, and Beyond"

Beijing Union Medical University, May 10, 2023: "Olfaction, cardio-respiratory health, and aging"

Monell Institute, February 28, 2023 "Poor olfaction, neurodegeneration, and beyond: an epidemiologic perspective"

University of Michigan Udall Center, February 22nd, 2023 "Environmental Health Studies of Prodromal Parkinson's Development"

The University of Florida, UF Health Smell Disorders Program, January 10th, 2023 "Poor olfaction and the health of older adults"

Indiana University, School of Public Health, November 4th, 2022, Indianapolis, IN "The Sense of Smell, Neurodegeneration, and Beyond"

Michael J. Fox Foundation – Environmental contributors to Parkinson's disease risk meeting "Parkinson's disease epidemiological research: Findings, Gaps, and Challenges" Sept 28, 2022, New York City in person

Chinese CDC Institute of Nutrition and Food Hygiene, July 12, 2022 "Olfaction and the health of older adults"

Chinese Academy of Medical Sciences, June 14, 2022 (virtual): "Olfaction, Neurodegeneration, and Beyond"

PPMI Data Committee Meeting, April 14, 2022 (virtual): "Prospective studies of prodromal neurodegeneration"

7th MSU Annual Medicine, Health and Society (MHS) Seminar, Department of Sociology and Family and Population Health Laboratory, February 23rd, 2022 (virtual): "Your nose knows about your health"

The 7th HaiHe Forum on Environment, Nutrition, and Health, Tianjin, China, Oct. 27, 2021 (virtual): "Environment, Olfaction, and the Health of Older Adults"

ARIC Sensory Health Working Group Meeting, November 1, 2021: "Poor olfaction in older adults, neurodegeneration, and beyond"

MSU Board of Trustee Meeting, September 10, 2021: "My Sense of Smell, Who Cares?", MSU Department of Epidemiology Seminar Series, March 25, 2021 (virtual): "Poor olfaction and the health of older adults: neurodegeneration and beyond?"

Symposium on Grand Challenges in Parkinson's Disease - When and how does Parkinson's start? Van Andel Institute, Sept 23-24, 2020, Grand Rapids, MI: "Environmental triggers of Parkinson's disease" (Virtual meeting due to COVID-19)

2020 International Symposium on Olfaction and Taste, Jun 2020, Portland OR, "Olfactory impairment, Neurodegeneration, and Beyond – Community-based Evidence" (Virtual meeting due to COVID-19)

Beijing Union Medical University, Oct 31, 2019, Beijing, China: "My Sense of Smell? Why Do I Care?"

2019 Conference on Environment and Health, Oct 28-31, 2019, Tianjin: "Multi-Cohort Approach to Study Parkinson's Disease"

Tianjin Medical University, Oct 12, 2018, Tianjin, China: "My Sense of Smell, Who Cares"

Symposium on Grand Challenges in Parkinson's Disease, Van Andel Institute, Sept 26-27, 2018, Grand Rapids, MI: "Olfaction and Parkinson's Disease"

FuDan University, Dec. 19, 2017, Shanghai, China: "The Changing Landscape of Parkinson Epidemiology"

Michigan State University, Department of Medicine Grand Rounds, December 12, 2017, East Lansing, MI: "My Sense of Smell? Why Do I Care?"

Michigan State University, Department of Neurology and Ophthalmology, Nov 17, 2017, East Lansing, MI: "Prodromal Approach to Dissecting Parkinson's Disease Etiology"

Beijing Union Medical University, Oct 12, 2017, Beijing, China: "Getting to the Roots of Parkinson's Disease"

Tianjin Medical University, Oct 9, 2017, Tianjin, China: "Getting to the Roots of Parkinson's Disease"

Alzheimer's Association and the Alzheimer's Drug Discovery Foundation: Nexus of Alzheimer's, Related Dementias & Cancer: Exploring Relationships, Mechanisms and Therapeutic Implications, Washington DC, May 25, 2016: "Cancer and Parkinson's Disease".

North Carolina State University, March 21, 2016, Raleigh NC: "Environmental Clues to Parkinson's Disease"

University of North Carolina at Chapel Hill, March 11, 2016, Chapel Hill, NC: "Parkinson's Prodromal Symptoms: A Unique Opportunity to Understand Environment and Parkinson's Disease"

Van Andel Institute, December 15, 2015, Grand Rapids, MI: "Understand the Prodromal Symptoms of Parkinson's Disease"

Peking Union Medical University, Aug 20, 2015, Beijing, China: "Prodromal Research Moves Parkinson's Epidemiology Forward"

Nanjing Medical University, Aug 5, 2015, Nanjing, China: "Prodromal Research Moves Parkinson's Epidemiology Forward"

NIEHS/NINDS Joint Conference on Parkinson's Disease: Understanding the Environment and Gene Connection Nov 3-4, 2014, RTP, NC: "Prodromal symptoms of PD"

Karolinska Institute, Neuroepidemiology Retreat, July 2014, Stockholm, Sweden: "Research on Non-motor symptoms of Parkinson's Disease"

NC Department of Health and Human Services, February 24, 2014. Raleigh, NC. "Farming and Health: The Agricultural Health Study"

National Institute of Environmental Health Sciences, National Advisors on Environmental Health Sciences (NAEHS) conference, February 19, 2014, RTP NC: "Clinical and Etiological Implications of Parkinson's Pre-motor Symptoms:"

Environmental Toxin and Neurodegeneration Mini-symposium, October 18, 2013, Pennsylvania State University-Milton S. Hershey Medical Center (scheduled but canceled due to government shutdown)

Michigan State University, East Lansing, Michigan, September 26, 2013 "Clinical and Etiological Implications of Parkinson's Premotor Symptoms"

National Institute of Environmental Health Sciences, Laboratory of Neurobiology Seminar Series, September 4, 2013 "Research on Parkinson's Premotor Symptoms: Medical and Etiological Implications"

Conference on Functional Genomics of Parkinson's Disease and Beyond, Tübingen, April 18-20, 2013 "Environmental Risk Factors for Parkinson's Disease"

Karolinska Institute, November 12, 2012, Stockholm, Sweden: "Parkinson's Disease, Risk Factors, and Premotor Symptoms"

International Congress on Neurology and Epidemiology, November 8-10, 2012, Nice, France: "Updates of Parkinson's Epidemiology"

NIH Research Festival, Translational Research of Aging, October 10, 2012, Bethesda, MD: "Prospective Research of Parkinson's Premotor Symptoms"

The University of Mississippi Medical Center, September 17, 2012, Jackson, Mississippi: "Parkinson's Premotor Symptoms – Clinical and Etiological Implications"

The Young Onset Parkinson Support Group, May 8, 2012, Cary, NC, USA: "Current Research on Parkinson's Disease"

Pennington Biomedical Research Center, April 27, 2012, Baton Rouge, Louisiana, USA: "Environmental Epidemiology of Parkinson's Disease"

Tulane University, April 24, 2012, New Orleans, Louisiana, USA: "Etiologic Research of Parkinson's Disease"

Centers for Neurodegeneration Sciences Program Directors Meeting, The National Institute of Environmental Health Sciences, May 3, 2012, Research Triangle Park, NC, USA: "Findings from the Parkinson's Genes and Environment Study"

Laboratory of Toxicology and Pharmacology Seminar Series, The National Institute of Environmental Health Sciences, March 15, 2012: "Parkinson's Disease Etiological Research and Prevention"

Chinese Academy of Medical Sciences and Peking Union Hospital, December 29, 2011, Beijing, China: "Risk Factors for Parkinson's Disease: Beyond *SNCA* / *MAPT* and Smoking/Caffeine"

Chinese University of Hong Kong, School of Public Health and Primary Care, December 21, 2011, Hong Kong, China: "The Epidemiology of Parkinson's Disease"

XIX World Congress on Parkinson's Disease and Related Disorders, December 14, 2011, Shanghai, China: "Inflammation, NSAIDs use and Parkinson's disease"

XIX World Congress on Parkinson's Disease and Related Disorders, December 12, 2011, Shanghai, China: "What about Braak"

National Cancer Institute, November 30, 2011, Rockville, MD: "Parkinson Research in the NIH-AARP Diet and Health Cohort"

Grand Round Seminar, Department of Neurology, Pennsylvania State University-Milton S. Hershey Medical Center, September 16, 2011, Hershey, PA, USA: "The Changing Landscape of Parkinson's Epidemiology"

International Forum of Neurodegenerative Disease, Fu-Dan University Affiliated Hua-Shan Hospital, June 20, 2010, Shanghai, China: "Risk Factors for Parkinson's disease: What Did We Learn in the Past Decade"

NIEHS Centers for Neurodegeneration Science Annual Meeting, October 8-9, 2009, RTP, NC, USA: "The Parkinson's Genes and Environment (PAGE) Study."

The First International Congress on Clinical Neurology and Epidemiology, August 27-30, 2009, Munich, Germany: "Epidemiology of Parkinson's Disease: New Data and New Methods"

National Institute of Environmental Health Sciences, April 7, 2009, RTP, NC, USA: "Parkinson's Disease: Etiology, Clinical and Disability Management"

Institute for Nutritional Sciences, Chinese Academy of Sciences, June 3, 2008, Shanghai China: "Role of Diet in Parkinson's Disease Development"

Shanghai Huashan Hospital, May 29, 2008, Shanghai, China: "Parkinson's Disease: Gene and Environment"

Vanderbilt University, November 9, 2007, Nashville TN, USA: "Parkinson Epidemiology: Recent Progress and Research Opportunities"

The Fourth Annual Parkinson's Progress in 2007 Conference: September 28, 2007, Omaha, NE, USA: "Environmental Epidemiology of Parkinson's Disease"

The Fourth Annual Parkinson's Progress in 2007 Conference: September 28, 2007, Omaha, NE, USA: "Potential Environmental Contributors to Parkinson's Disease"

Consensus Meeting on Environment and Parkinson's Disease: June 26-28, 2007, Sunnyvale, CA, USA: "Diet and Parkinson's disease"

Roundtable Meeting on Exercise and Parkinson's Disease: University of Pittsburgh, June 18, 2007, Pittsburgh, PA, USA: "Exercise and Parkinson's Disease – Epidemiological Findings"

North Carolina State University, March 20, 2007, Raleigh, NC: "Parkinson's Disease: Is Environment Still Relevant".

Annual Conference on Rodent Genetics (Session Mediator): National Institute of Environmental Health Sciences, September 26, 2006, RTP, NC, USA: "Gene-Environment Interactions in Parkinson's Disease"

Harvard School of Public Health, July 10, 2006. Boston, MA, USA: "Epidemiology of Parkinson's Disease: Contributions from Prospective Studies"

Harvard School of Public Health, October 31, 2005. Boston, MA, USA: "Dairy Consumption and Risk of Parkinson's Disease"

Harvard School of Public Health, March 15, 2004, Boston, MA, USA: "Diet and Parkinson's Disease"

International Forum on the New Approaches to Understand Neuropsychological Diseases, September 3, 2004, Shanghai, China: "Environmental and Genetic Risk Factors for Parkinson's Disease"

International Symposium on Parkinson's Disease, September 4-7, 2004, Beijing, China: "Obesity and the Risk of Parkinson's Disease"

45th Annual Meeting of the American College of Nutrition, September 30–October 3, 2004, Long Beach, CA, USA: "Diet, Lifestyle, and Risk of Parkinson's Disease"

Parkinson Institute, November 15, 2004, Sunnyvale, CA, USA: "Risk Factors for Parkinson's Disease: Findings from the Health Professionals Follow-up Study and the Nurses' Health Study"

Podcast: The Michael J. Fox Foundation's research-focused podcast. *The Parkinson's Research Podcast: New Discoveries in Neuroscience*. July 2024

REVIEWER FOR JOURNALS

General medical/science journals: New England Journal of Medicine • JAMA • Lancet • British Medical Journal • BMJ Open • Annals of Internal Medicine • PLOS One • Scientific Reports

Journals of neurology/neurosciences: Lancet Neurology • Annals of Neurology • Neurology • JAMA (Achieves of) Neurology • Movement Disorders • Alzheimer's Disease & Dementia • Journal of Parkinson's Disease • Journal of Neurology, Neurosurgery & Psychiatry • Parkinsonisms and Related Disorders • Parkinson's disease • Journal of Alzheimer's Disease • Brain Behavior and Immunity • Journal of Neural Transmission • European Journal of Neurology • Neurotoxicology • Neuroscience letters • Expert Review of Neurotherapeutics • Brain Research • Frontiers in Neurology

Journals of environmental health: Environmental Health Perspectives • Environmental Research • Environmental Pollution • Environment International • Atmospheric Environment

Journals of epidemiology: International Journal of Epidemiology • American Journal of Epidemiology • European Journal of Epidemiology • Epidemiology • Annals of Epidemiology • Journal of Exposure Science and Environmental Epidemiology • Neuroepidemiology

Other specialty journals: American Journal of Clinical Nutrition • The Journal of Nutrition • British Journal of Nutrition • Aging • Health and Aging • Journal of American College of Nutrition • Journal of American Geriatric Society • Cancer Research • Cancer Causes and Control • Drugs & Aging • American Journal of Physical Medicine & Rehabilitation •

Diabetes Care • Sleep • Frontiers in Pharmacology • Nutrition, Metabolism and Cardiovascular Diseases.

Journal Editorial Boards

2010-2021	American Journal of Epidemiology
2009-	International Journal of Molecular Epidemiology and Genetics
2012-	American Journal of Neurodegenerative Disease
2020-	Frontiers in Neurology (Associate Editor for the Neuroepidemiology Section)
2020-	Neurotoxicology

Guest editor:

2020 Frontiers in Neurology 'Uncovering the Broad Spectrum of Prediagnostic Parkinson's Disease'

GRANT REVIEWS

Panel member:

Health and Biomedical Sciences review panel for the Strategic Partnership Grant (SPG) program, Michigan State University, 2019-2020
American Brain Foundation Scientific Review Panel, 2017-2020

Ad-hoc reviewer:

NIEHS Career Development (K Applications), July 2019, Oct 2019, Feb 2020, Oct, 2020.
National Institutes of Health Study Sections:
Neurological, Aging and Musculoskeletal Epidemiology (multiple times before 2016);
Neurological, Mental and Behavioral Health (NMBH, May 2024); Clinical
Neurodegeneration Translational Neuroscience (April, 2025)
CDC Peer Review Panel TS 18-004: Amyotrophic Lateral Sclerosis research, June 2018
USAMRMC Department of Defense: Oct 2017, Panel Reviewer; Oct 2024 Panel Chair
Parkinson's Foundation (2023, April, 2024 – Launch Award and Postdoctoral training award)
Medical Research Council, United Kingdom
Parkinson's Disease Society, United Kingdom (multiple times)
PSI Foundation, Canada
Austrian Science Fund, Austria
Parkinson Study Group (PSG), United States and Canada
The Wellcome Trust
Center for Environmental Health and Susceptibility, School of Public Health, University of North Carolina at Chapel Hill
The Prinses Beatrix Fonds, Netherlands
Neurological Foundation of New Zealand (multiple times, latest in 2022.10)
Netherlands Organisation for Health Research and Development (2022.08)
Association of British Neurologists
French National Research Agency
Hertie Foundation, Germany

PROFESSIONAL SERVICES

Michigan State University

MSU Chinese Faculty Club (CFC) Executive Committee: Member 2019-2024; President-Elect 2021-2022; President 2022-2023

MSU Research Integrity Committee, 2024-
 College Advisory Committee, MSU College of Human Medicine, 2017-2021
 Department of Epidemiology and Biostatistics
 Leadership Advisory Committee in Epidemiology and Biostatistics, 2020-2023
 Epidemiology & Biostatistics Reappointment, Promotion and Tenure Review Committee
 2018- , Chair 2021-2023
 Graduate Program Committee, 2021-
 Epidemiology and Biostatistics Curriculum Committee, 2022-
 Award Committee (Chair), 2017-2020
 Ad hoc Committee on PhD Comprehensive Exams, 2017-2019
 Search Committee for Neuroepidemiology Faculty, 2016-2018
 Search Committee Chair for Epidemiology Faculty, 2024

National Institute of Environmental Health Sciences

DIR Committee of Promotions-I (NIEHS Tenure Committee) 2016
 Biostatistics Branch Staff Scientist Search Committee (Chair), 2015
 Institutional Review Board, NIEHS/NIH 2015-2016
 DIR Retreat Committee 2016
 Presenter and member of the clinical research group, NIEHS-NINDS co-sponsored
 Symposium on Parkinson's Disease: Understanding the Environment and Gene
 Connection, November 3-4, Research Triangle Park, North Carolina
 Member, NIEHS Epidemiology Branch Tenure-Track Investigator Search Committees (2015
 & 2016)
 Organizer, Symposium on Parkinson's premotor symptoms – clinical and etiological
 implications, June 7-8th, 2012, Research Triangle Park, North Carolina
 NIEHS/NTP Scientific Review Group
 DIR Committee for Distinguished Lecturers and Scientific Conferences
 Sister Study Steering Committee
 Executive Committee, Agricultural Health Study, 2013-2016

Other Organizations

Steering Committee Member, the first annual international Exposome Moonshot Forum. May
 12-15, 2025, Washington D.C.
 The Netherlands Organisation for Health Research and Development – Dementia Research
 Programme, August 2022
 Planning Committee & Session Chair, “*Environmental Contributions to PD risk*” Michael J
 Fox Foundation on Parkinson's Research
 Abstract reviewer of The Gerontological Society of America (GSA) 2022 Annual Scientific
 Meeting, 2022-2024
 Member of the Scientific Program Committee, 2020 Grand Challenges in Parkinson's
 disease: When and how does it start? Grand Rapids, 2020.
 Aligning Science Across Parkinson's (ASAP) Scientific Workshop (invitation only), Newport
 Beach, California, May 23-25, 2018
 Co-Chair, American Academy of Neurology annual meeting 2017, session “Parkinson's
 disease: Observational Studies”. Boston, Massachusetts, April 25, 2017
 Abstract reviewer of Neuroepidemiology, American Academy of Neurology annual meeting
 2017, 2021
 Scientific Review Panel, American Brain Foundation, 2017
 Scientific Committee, The Parkinson Study Group (2012-2015)
 General Neurology Topic Work Group, American Academy of Neurology 2015

Expert Panel on Global Burden of Diseases, Gates Foundation / World Health Organization Scientific Committee, International Congress on Neurology and Epidemiology, November 8-10, 2012, Nice, France
 Co-Chair, "Epilepsy & Neurodegenerative disorders", November 9, 2012, Nice, France
 Scientific Committee, The First International Congress on Clinical Neurology and Epidemiology, August 27-30, 2009, Munich, Germany
 Co-Chair, "Parkinson's disease and other movement disorders - Epidemiology and Management Part 1 and Part 2", The First International Congress on Clinical Neurology and Epidemiology, August 27-30, 2009, Munich, Germany
 Scientific Committee, Wuhan International Conference on the Environment & the 2009 Annual Meeting of Chinese Society for Environmental Sciences, June 2009
 Award Committee, Society for Epidemiologic Research
 Judge, Fellow Awards for Research Excellence, National Institutes of Health
 Meeting abstract reviewer for Society for Epidemiologic Research annual meeting
 Meeting abstract reviewer for International Congress on Clinical Neurology and Epidemiology

MENTORING

	<i>Position</i>	<i>Years</i>	<i>Current Position</i>
<i>Graduate Students</i>			
Shuang Tang	MPH Student	2015.08-2018.04	PI, Shanghai Cancer Center at Fudan University
Bojing Liu	PhD Student	2016.09-2018.9	Research Specialist, Karolinska Institute, Sweden
Frank Purdy	MS Student	2018.08-2019.12	Epidemiologist, MI Department of Health and Human Services
Zichun Cao	PhD Student	2018.08-2023.7	Principal Biostatistician, Sandoz Group
Keran Chamberlin	PhD Student	2019.08-2024.9	Postdoc, John Hopkins University
Eleanor Song	PhD Student	2020.08-	
Kathy Xia	PhD Student	2023.08-	
<i>Current Postdoc</i>			
Yaqun Yuan	Research Fellow	2019.08-	
Dazhe Chen	Research Fellow	2025.10-	
<i>Previous Postdoc</i>			
Dr. Qun Xu	Visiting Fellow	2007.10-2009.12	Professor, Chinese Academy of Medical Sciences
Dr. Jianjun Gao	Visiting Fellow	2008.02-2012.09	Senior Bioinformatics Scientist, Progenesis, Inc.
Dr. Rui Liu	Research Fellow	2010.08-2016.08	Assistant Professor, Sacred Heart University
Dr. Wen Zhang	Visiting Fellow	2012.09-2014.04	Assistant Professor, Fukushima Medical University, Japan

Dr. Jing Dong	Visiting Fellow	2012.10-2016.08	Assistant Professor, Medical College of Wisconsin
Dr. Srishti Shrestha	Visiting Fellow	2015.03-2016.08	Assistant Professor, Medical University of Mississippi

Other Trainees

Jessica Rinsky	Summer Student, Special Volunteer	2010.09-2012.05	EIS Officer, North Carolina Division of Public Health
Edward Zhao	High school special volunteer	2011.09-2013.06	PhD, University of Washington
Elizabeth Cordill	MSU Undergraduate	2022.09-2023.05	
Kyleen Hall	MSU undergraduate	2022.09-2023.05	
Niouma Tidiane Semega	SROP student	2024.05-2024.07	Boston University, PhD student
Pritika Manna	Special volunteer	2024.08-	MSU honor college undergraduate
Curtis Wilkerson	Special volunteer	2024.08-	Incoming MSU COM student

Advisory / Dissertation/thesis defense committees

Frank Purdy,	MS in Biostatistics	MSU 2018
Chun Yao,	PhD	McGill University, 2018
Kyle Bennett,	MS in Epidemiology	MSU 2019
Eleanor Song	MS in Epidemiology	MSU, 2020
Di Wu	PhD in Biostatistics	MSU, 2022
Zichun Cao	PhD in Biostatistics	MSU, 2023
Liang Wang	PhD in Biostatistics	MSU, 2024

BIBLIOGRAPHY

H-index **94**, <https://scholar.google.com/citations?user=qz4O89oAAAAJ&hl=en>

A. Peer-Reviewed Original Publications

- 1 **Chen H**, Ge KY, Wang EL, Jia FM, Jiao RH, Wang YY: The validation of conjunctival impression cytology to detect vitamin A deficiency. *Hygiene Res* 25(Suppl): 126-132, 1996.
- 2 Tucker KL, Hannan MT, **Chen H**, Cupples LA, Wilson PWF, Kiel D: Potassium, magnesium, and fruit and vegetable intakes are associated with greater bone mineral density in elderly men and women. *Am J Clin Nutr* 69(4): 727-36, 1999. PMID: 10197575
- 3 Tucker KL, **Chen H**, Vogel S, Wilson PW, Schaefer EJ, and Lammi-Keefe CJ: Carotenoid intakes, assessed by dietary questionnaire, are associated with plasma carotenoid concentrations in an elderly population. *J Nutr* 129(2): 438-45, 1999. PMID: 10024624
- 4 Booth SL, Tucker KL, **Chen H**, Hannan MT, Gagnon DR, Cupples LA, Wilson PW, Ordovas J, Schaefer EJ, Dawson-Hughes B, Kiel DP: Dietary vitamin K intakes are

- associated with hip fracture but not with bone mineral density in elderly men and women. *Am J Clin Nutr* 71(5): 1201-8, 2000 (with editorial). PMID: 10799384
- 5 **Chen H**, Burmudez OI, Tucker KL: Waist circumference and weight change are associated with disability among elderly Hispanics. *J Gerontol A Biol Sci Med Sci* 57 (1): M19-25, 2002. PMID: 11773208
 - 6 **Chen H**, Ward MH, Graubard BI, Heineman EF, Markin RM, Potischman NA, Russell RM, Weisenburger DD, Tucker KL: Dietary patterns and adenocarcinoma of the esophagus and distal stomach. *Am J Clin Nutr* 75(1): 137-44, 2002 (with editorial and press release). PMID: 11756071
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D. Other Journal Publications

- 246 **Chen H**: Smoking duration, intensity, and Parkinson's disease. *Focus on Parkinson's Disease* 22 (1): 16-18, 2011 (Invited extended abstract, originally on *Neurology* 74 (11): 878-84, 2010)
- 247 **Chen H**: Physical activity and future risk of Parkinson's disease. *Focus on Parkinson's Disease* 22 (1): 19-21, 2011 (Invited extended abstract, originally on *Neurology* 75(4):341-8, 2010)

E. Books

- 248 Gallo V, **Chen H**, and Pearce N: *Oxford Textbook of Neurological and Neuropsychiatric Epidemiology (Chapter 11): Idiopathic Parkinson's disease and classification of Parkinsonisms*, 2020