

## Nicole M. Gatto, MPH, PhD

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I am an epidemiologist with extensive experience driving research on neurological and cardiovascular diseases and cancers with a specialization in environmental health. My work focuses on identifying disease risk and protective factors broadly impacting aging and susceptible populations using standardized data collection and analytic tools. I have an established record of providing strategic and methodologic direction to various internal and external stakeholders, in academic, clinical, governmental, non-profit and private sector settings. I am a thoughtful and creative scientific leader with regional expertise in population health of northeastern Los Angeles and San Bernardino counties committed to leveraging science to address unmet health needs of persons locally and globally. My philosophical approach to collaboration originates, in part, with my doctoral training, which emphasized collegiality and has been a common thread of my work since.

### EDUCATION

**Ph.D., Epidemiology**, University of Southern California, 2008

**M.P.H., Community Health Sciences (major), Epidemiology (minor)**, University of California, Los Angeles, 2003

**B.A., Biological Psychology**, University of California, Berkeley, 1995

### CERTIFICATIONS

**Certificate in Clinical Trials: Medical Device and Drug Development**, UC Irvine, 2021

**Certificate in College Teaching**, Preparing Future Faculty, Claremont Graduate University, 2019

**Certificate in Public Health**, National Board of Public Health Examiners, 2012 – current

**CITI Certifications:** Social & Behavioral Research; Responsible Conduct of Research; IRB Chair; IRB Members; Institutional/Signatory Official: HSR; Conflicts of Interest; Health Information Privacy & Security (current)

**SAS Base Programmer**, SAS Institute, 2012

**Geographic Information Science**, University of Southern California, 2006

### PROFESSIONAL EXPERIENCE

**Principal Collaborative Scientist**, 2022 –

Kaiser Permanente Washington Health Research Institute (KPWHRI), Adult Changes in Thought (ACT) Study

- Design and conduct inclusive and innovative research in health care systems to better understand dementia and Alzheimer's Disease risk and to improve disease prevention
- Provide strategic scientific leadership and administrative direction for ACT's research and data infrastructure
- Coordinate multi-disciplinary, multi-site teams at KPWHRI, University of Washington, UC San Diego and other ancillary investigators and collaborate with scientists from multiple disciplines (e.g., geriatrics, health services, epidemiology, pharmacogenomics, neuropathology, neuroimaging, psychology) to achieve project goals, including making direct and substantive scientific contributions
- Develop and implement efficient and effective governance processes suited to large research networks through partnerships with principal investigators and ACT leadership
- Develop effective internal and external communication approaches to fulfill the ACT program's overall objective of being a living laboratory for the study of brain aging including managing study website
- Develop, implement and manage policies and procedures to support data and resource sharing in a complex environment and lead the review of proposals for manuscripts and data requests
- Partner with the ACT Research Program's Project Manager to provide scientific direction for key research tasks
- Lead workgroup tasked with developing strategies to expand the ACT cohort to include new enrollees from diverse socioeconomic, geographic and racial/ethnic backgrounds

- Lead grant proposals, conduct analyses and the disseminate ACT study findings through authoring scientific publications
- Elevate the visibility of the study to external investigators and public audiences by leading the development of the annual ACT symposium and regular speaker series
- Serve as site PI for ancillary ACT studies
- Oversee the continuous improvement of the study by conducting evaluations

### **Senior Research Epidemiologist, Environmental & Chronic Disease Research, 2022**

RTI International; Biostatistics & Epidemiology Division, Center for Applied Public Health Research

- Lead epidemiologic investigations of environmental exposures, chronic diseases, and new drugs and treatments with observational, surveillance and safety studies
- Develop and implement research through leading study design and analysis plans, protocol development, data collection and management, project coordination, and research administration
- Apply principles, theories, and concepts in epidemiology to a wide variety of research studies
- Provide subject matter expertise
- Define, investigate, and formulate approaches and solutions to complex problems within broadly defined policies, guidelines, practices, and concepts
- Analyze and consider alternative approaches to complex problems and select optimal methods to meet specific project needs
- Provide guidance and oversee the conduct of complex epidemiology studies
- Analyze results, synthesize findings in context of existing knowledge, prepare study reports and manuscripts
- Identify other disciplines to involve in proposals and projects, coordinate or lead inter-disciplinary teams
- Develop tools and methods to advance capabilities
- Plan and direct the preparation of proposals of significant technical or organizational complexity, contract value, or strategic importance
- Attend and contribute to site visits, steering committee and other external project meetings
- Lead or contribute to technical reports, abstracts, and manuscripts
- Lead the development of scientific stature activities with junior staff

### **Associate Professor, 2016 – 2021**

**Director of PhD Program in Health Promotion Sciences, 2018 - 2021**

**Director of DrPH Program, 2016 – 2018**

School of Community and Global Health, Claremont Graduate University

- Design, conduct and execute epidemiologic research studies including analyzing data using biostatistic principles. Apply biostatistical and survey techniques and biologic theory to describe and investigate the distribution and determinants of disease and health in human populations
- Teach epidemiology and environmental health courses to masters and doctoral students
- Chair the University IRB, lead human subjects research during COVID-19
- Direct doctoral programs: admissions, academic advising, curriculum and program development, further develop doctoral program guidelines and handbook; responsible for 32 doctoral students
- Develop advanced integrative practicum for DrPH program through partnerships
- Assist with CEPH accreditation and Decennial review of PhD program including contributing to self study, final and interim reports, curriculum mapping and response to external site visit teams
- Assist with strategic planning for school and university
- Successfully pivoted to teaching remotely during the COVID-19 pandemic

### **Associate Professor of Epidemiology, 2013 – 2016**

**Director of PhD Program in Epidemiology, 2013 – 2015**

School of Public Health, Loma Linda University

- Researched risk and protective factors within the Adventist Health Study-2 cohort study
- Taught environmental and occupational epidemiology course to masters and doctoral students
- Taught Doctoral Seminar in Epidemiology to doctoral students (DrPH and PhD)
- Directed the doctoral program: admissions decisions, curriculum development, write and grade doctoral comprehensive examinations, develop doctoral guidelines; catalog changes, refine graduate programs
- Directed public health practice and service projects
- Assisted with CEPH accreditation self-study

**Health Researcher/Program Evaluator** – Little Green Fingers Community Garden Collaborative, 2012 – 2017

- Developed a prospective study on health impacts of participating in one of eight community gardens by families and their children aged 0-5 years
- Provided biannual evaluation data to First 5
- Managed a team of project assistants in data collection, management, entry and analysis
- Presented results at conferences, forums, papers and reports

**Epidemiologist** – Acute Communicable Disease Control, Los Angeles County Dept of Public Health, 2011 – 2012

- Led and coordinated epidemiologic surveillance of influenza and other respiratory viruses for Los Angeles County using data from laboratories, mortality reports, emergency room visits and other syndromic sources
- Conducted epidemiologic investigations of disease outbreaks; drafted control recommendations
- Led lab surveillance of influenza and other respiratory viruses with ten sentinel laboratories
- Built and managed relational disease surveillance databases using MS Access and Excel
- Prepared reports of epidemiologic investigations detailing study design, methods, data collection, environmental health factors and control recommendations; maintained electronic disease outbreak logs

**Adjunct Professor** – Department of Health Sciences, California State University, Northridge, 2012

- Taught introductory epidemiology course to undergraduate, graduate and professional students of diverse backgrounds

**Assistant Researcher** - Department of Epidemiology, Fielding School of Public Health, UCLA, 2010 – 2012

- Researched environmental, occupational, behavioral and genetic risk and protective factors for Parkinson's disease and cognitive dysfunction using data from three population-based studies
- Communicated findings in written manuscripts and oral presentations
- Taught graduate seminars focusing on topics including Environmental Epidemiology, Epidemiologic Methods
- Collaborated with investigators from other institutions, coordinate project-related tasks
- Managed projects including developing and maintaining project budgets, adhering to schedules, sub-contracts, supervising PhD students and administrative staff

**Senior Scientist** – ToxStrategies, 2009 – 2010

- Contributde technical expertise in area of environmental and occupational epidemiology and biostatistics
- Prepared written communications including technical reports, memos and manuscripts
- Developed and coordinated project proposals including tasks, schedule, budget and deliverables

**Post-Doctoral Fellow - Department of Epidemiology, UCLA, 2008 – 2010**

- Researched environmental, occupational, genetic risk factors for Parkinson's disease using data from three population-based studies
- Supervised PhD students and administrative staff

**Senior Scientist** – Exponent, 2003 – 2009

- Contributed technical expertise in area of environmental and occupational epidemiology and biostatistics
- Reviewed scientific literature to evaluate potential human health risk

- Prepared written communications including reports, technical memos and manuscripts

**Project Manager** - Center for Health Policy Research, University of California, Los Angeles, 2001 – 2003

- Managed the California Health Interview Survey of complementary and alternative medicine study
- Designed and pilot tested questionnaire
- Assisted with IRB and OMB application submissions
- Contributed to research proposals, analyses and journal articles; develop study reports
- Acted as a site liaison for collaborators at NIH, Westat, and with UCLA survey staff

**Intern** - HIV Epidemiology Unit, Los Angeles County Department of Health Services, 2002

- Provided education and training to laboratory staff and health care providers
- Developed an evaluation tool to assess the effectiveness of training presentations
- Designed an electronic database for data management
- Responded to phone inquiries, disseminated educational materials, conducted on-site training

**Research Associate** - Department of Radiology, Univ of California San Francisco VA Medical Center, 1998 – 1999

- Performed MRI and spectroscopy studies for patients with neurological diseases and dementias
- Recruited and enroll study participants, obtain clinical information from collaborating centers
- Analyzed, transfered and archived data using both commercial and custom software
- Processed MR images and spectroscopic data: segment brain, identify lesions, perform hippocampal voluming, apply Fourier transformations, “fit” NMR spectral peaks

**Clinical Research Assistant** - Baxter Healthcare Corporation, Novacor Division for Cardiovascular Research, 1998

- Assisted in compiling a pre-marketing approval submission to the FDA (Medical Devices)
- Wrote case summaries for patients who received a left-ventricular assistive device (LVAD)
- Managed and tracked patient files including case report forms, medical records, correspondence
- Managed data entry and quality control

**Clinical Coordinator** - Department of Neurology, University of California San Francisco, 1995 – 1998

- Recruited, screened and enrolled eligible families; collected family history information; constructed pedigrees, wrote clinical summaries, acquired and coordinated acquisition of blood samples and lab results
- Maintained study database
- Coordinated collaboration with eighteen participating sites
- Designed, published and distributed newsletters, bulletins and brochures
- Generated reports for papers, meetings and conferences
- Ensured compliance of IRB and Human Subject's Committee; updated protocol consent forms

**Instructor** - Testing for the Public, 1997 – 2001

- Taught a Graduate Record Examination (GRE) preparatory course to diverse students
- Created and delivered lectures; developed teaching materials including course notes and study guide

**Research Associate** - University of California San Francisco/Mt. Zion Multiple Sclerosis Center, 1994 - 1995

- Performed brief neuropsychological assessments; administered neuropsychological evaluations
- Designed and maintained clinical database; extracted data for papers and presentations

### VOUNTARY/ADJUNCT APPOINTMENTS

- Adjunct Affiliate Professor, Kaiser Permanente Bernard J. Tyson School of Medicine (pending)
- Adjunct Research Assistant Professor, Department of Population and Public Health Sciences, Keck School of Medicine, University of Southern California

- Adjunct Professor, Loma Linda University, School of Public Health
- Adjunct Professor of Population Health Science, College of Osteopathic Medicine of The Pacific, Western University of the Health Sciences
- Consulting Research Scientist, Riverside University Health System, Comparative Effectiveness and Clinical Outcomes Research Center (CECORC)
- Consulting Research Scientist, Pomona Valley Hospital and Medical Center
- Adjunct Professor, Center for Public Health Sciences, University of Iceland

## **TEACHING**

### **University of Iceland, 2021**

- LÝÐ107F - Epidemiology, Quantitative Methodology
- LÝÐ101F - Public Health: Science, Politics, Prevention
- LÝÐ104F - Influencers of health, prevention and health promotion

### **School of Community and Global Health, Claremont Graduate University, 2016 – 2021**

- CGH 302 – Epidemiology
- CGH 314 – Emerging Chronic and Infectious Disease Epidemiology
- CGH 304 – Environmental and Occupational Health
- CGH 403 – Manuscript Development
- CGH 406 – Advanced Public Health Practicum
- CGH 407A, B, C – Advanced Integrative Public Health Practicum

### **Loma Linda University School of Public Health, 2013 – 2016**

- EPDM 588 Environmental and Occupational Epidemiology
- EPDM 606 Doctoral Seminar in Epidemiology

### **California State University, Northridge, 2012**

- HSCI 488 Epidemiology: Study of Disease

## **MENTORSHIP**

Mentor(ed) 23 doctoral, masters and undergraduate students at USC, Loma Linda University, Claremont Graduate University, Claremont McKenna College and UC Berkeley on research, dissertation and public health practice projects from 2012- present.

For a list of students and projects, please see: <https://docs.google.com/document/d/1-X1gLCINbiCoAiWiEk6uXaytB78FKyKF/edit?usp=sharing&oid=101250588322192644510&rtpof=true&sd=true>

## **ACADEMIC SERVICE**

**Chair**, IRB, Claremont Graduate University, 2020 – 2021

**Member**, The Claremont Colleges COVID-19 Safety Planning Group, Testing Subcommittee, 2020 – 2021

**Member**, Scholarship of Teaching and Learning (SoTL) Task Force Course and Teacher Evaluation Working Group, Association of Schools & Programs of Public Health (ASPPH), 2019 – 2020

**Member**, IRB, Claremont Graduate University (CGU), 2018 – 2020

**Member**, PhD Decennial Review Committee, School of Community and Global Health, CGU, 2019-2020

**Member**, Search Committee, School of Community and Global Health, CGU, 2018 – 2019

**Member**, University Grievance Committee, CGU, 2018

**Member**, Research Grievance Committee, CGU, 2019

**Member**, MPH/DrPH Curriculum Committee, School of Community and Global Health, CGU, 2016 – 2021

**Member**, Diversity Committee, School of Community and Global Health, CGU, 2018 – 2021

**Member**, CEPH Accreditation Self-Study Committee, School of Community and Global Health, CGU, 2016 – 2017  
**Member**, MPH Program Community Advisory Committee, School of Community and Global Health, CGU, 2016-21  
**Member**, MPH Program Steering Committee, School of Community and Global Health, CGU, 2016 – 2021  
**Member**, Board of Trustees Chairperson’s Faculty Advisory Group, CGU, 2017 – 2020  
**Chairperson**, Doctoral Committee in Epidemiology, School of Public Health, Loma Linda University, 2014 – 2015  
**Member**, Faculty of Graduate Studies Dean’s Award Selection Committee, Loma Linda University, 2015 – 2016  
**Member**, Doctoral Programs Committee, School of Public Health, Loma Linda University, 2015 – 2016  
**Member**, Rank, Promotion and Tenure Committee, School of Public Health, Loma Linda University, 2015 – 2016

**Symposia Reviewer**, American Public Health Association, Annual Meeting, Boston, 2013  
**Film Reviewer**, American Public Health Association, Annual Meeting & Expo, Atlanta, 2023

### **COMMUNITY SERVICE**

**Board Member**, Debs Park Advisory Board, 2012 – 2013  
**Advisory Board Member**, Farmworks, 2010 – 2011

**Founder and Director**, Milagro Allegro Community Garden, 2008 – 2011

- Lobbied elected officials, community organizations and local municipal officers
- Built garden including designing a layout that would incorporate elements important for urban farming as well as for appearing inclusive to and inviting for the local community; planned construction of garden including identifying building materials that would be both environmentally and financially appropriate; coordinated efforts with volunteers and a Los Angeles chapter of jobs program for youth
- Fundraised and wrote grants to support an operating budget for the garden
- Managed general garden operations budget, project-specific and grant-specific budgets
- Established garden rules, application process, structure and organization of garden for day-to-day operations; Develop by-laws and operation manual for garden
- Developed community education programming for the neighborhood and gardening communities
- Collaborated with partners to involve garden in diverse opportunities that extend the reach of the garden including eco-tours, film screenings, community potlucks, fundraisers, seedling and tree giveaways
- Lectured at conferences, taught seminars and courses on topics relevant to the garden
- Developed and maintained website; Designed media for outreach; maintained mailing list, events calendar
- Mentored youth on various garden-related and garden art projects

**Public Health and Safety Director** (elected office), Historic Highland Park Neighborhood Council, 2008 – 2010

**Volunteer**, Emergency USA, 2008 – 2013

**Volunteer**, Eagle Rock Farmer’s Market, 2006-2010

**Member, Vestry**, All Saints Church, Pasadena, 2022 –

- Developed opposition to war vestry resolution
- Lead small Lenten book discussion group

### **Journal Reviewer**

Environmental Health Perspectives

International Journal of Cancer

Diabetes Care

STOTEN

Nutrition and Metabolism

Journal of Alzheimer’s Disease

Journal of Nutrition Education and Behavior

BMJ

Childhood Obesity

Journal of Ecology and the Natural Environment

Environmental Health

Public Health Nutrition

JAND

Alzheimer's Research & Therapy

Gene

Hypertension

Journal of Nutrition

Preventive Medicine Reports

Journal of Aging and Health  
Journal of the Neurological Sciences  
Contemporary Clinical Trials  
PeerJ  
Biology  
Endocrine, Metabolic & Immune Disorders - Drug  
Targets

Journal of Clinical Medicine  
Cancers  
Vaccines  
Aging and Mental Health  
European Journal of Clinical Investigation  
Frontiers in Aging Neuroscience

### **Journal Editorial Board**

Cancers, Guest Editor, Special Issue "Environmental Carcinogens and Cancer Risk", 2021 – 2022  
[https://www.mdpi.com/journal/cancers/special\\_issues/environmental\\_carcinogens\\_cancer\\_risk](https://www.mdpi.com/journal/cancers/special_issues/environmental_carcinogens_cancer_risk)

Vaccines, Guest Editor, Special Issue "Safety Among Healthcare Workers: Infection and Vaccination in COVID-19 Pandemic", 2022-2023 [https://www.mdpi.com/journal/vaccines/special\\_issues/31Z405C0DN](https://www.mdpi.com/journal/vaccines/special_issues/31Z405C0DN)

Brain Sciences, Guest Editor, Special Issue "Lifestyle Factors in Neurological Disorders", 2022-2023  
[https://www.mdpi.com/journal/brainsci/special\\_issues/E28HP941Z4](https://www.mdpi.com/journal/brainsci/special_issues/E28HP941Z4)

### **Grant Reviewer**

Health Effects Institute  
CDC National Center for Emerging and Zoonotic Infectious Diseases (NCEZID)  
Alzheimer's Association  
Health Canada, Clean Air Regulatory Agenda (CARA) Program  
Health and Medical Research Fund, Research Fund Secretariat, Hong Kong  
GRASP (Loma Linda University)

### **ADDITIONAL TRAINING**

Clinical Prediction Models, University of Iceland, 2021  
Johns Hopkins Graduate Summer Institute of Epidemiology and Biostatistics, 2018  
Maximo Novel, Spanish language immersion course, Guatemala, 2019  
Graduate coursework in Neuroscience, UC Davis 1999-2000

### **ADVOCACY**

Health Ambassador, Physicians for Social Responsibility Los Angeles, 2017-2019  
Member, Rapid Response Team, All Saints Episcopal Church, 2014 – 2018  
Member, Climate Change Task Force, All Saints Episcopal Church, 2014 – current

### **HONORS AND AWARDS**

Fulbright Specialist (Environmental Health & Epidemiology), University of Cartagena, Colombia, May 2022

- Consulted on two projects at the University of Cartagena (1) Pilot study of health effects among populations exposed to aerial spraying of glyphosate in areas with illegal cultivation; (2) Human health risk assessment and pilot study of fracking by the National Hydrocarbons Agency (ANH) in the population of the Puerto Wilches municipality
- Provided research seminars to undergraduate and graduate students at the Universidad de Cartagena and the Universidad del Atlantico

Fulbright Scholar; research and teaching award, University of Iceland, August – December 2021

- Collaborated on research projects at the University of Iceland, Center for Public Health Sciences (1) Association between adverse childhood experiences and multiple sclerosis in women – A population-based cohort study [Stress-And-Gene-Analysis (SAGA) study]; and with the Icelandic Heart Association

(2) Serum vitamin D and risk of cognitive impairment and Parkinson's disease; (3) History of outdoor occupations and risk of Parkinson's disease [Age, Gene/Environment Susceptibility (AGES)-Reykjavik study]

- Taught courses in epidemiology, public health and environmental health to master's and doctoral students ([link to "live" presentation of project and accompanying slides](#))

UC Irvine Division of Continuing Education Scholarship, 2021

Honorary Member, Delta Omega Honorary Society in Public Health, Epsilon Class Delta Epsilon Chapter, 2020

Fulbright Specialist (Epidemiology); National Center of Public Health, Mongolia, August 2018

- Developed and taught 2-week course on epidemiology modeled after educational material available from the CDC and WHO to 22 bachelor's- and doctoral-level health practitioners from six provinces in Mongolia

Diversity and Inclusion Fellow, Claremont Graduate University, 2017

Governor's Environmental and Economic Leadership Award, CalEPA, 2014

Member, Faculty of Graduate Studies, LLU 2015

Honorable Mention, American Heart Association Young Investigators Forum, Irvine, CA, 2005

President's Undergraduate Research Fellowship, 1995

Citizen's Scholarship for Outstanding Academic Achievement, 1991-5

Psi Chi Honors in Psychology, 1994-5

Alumni Scholarship, University of California, 1991-2

### PROFESSIONAL MEMBERSHIPS

Alzheimer Society International Congress 2018-present

International Society of Environmental Epidemiology, 2007-current

American Public Health Association, 2006-current

Society of Epidemiology, 2004-current

American Heart Association, 2006-2009

American Association of University Women 2016-present

Physicians for Social Responsibility 2016-present

### SKILLS

Operating systems: Windows, Mac

Software - SAS, STATA, GPower, Episheet, R; Tableau; GIS; Wondershare Filmora; Microsoft Office including Word, Excel, Powerpoint, Access; Adobe Acrobat; Endnote; Qualtrics, Survey Monkey

Videoconferencing: Zoom, Teams, GoToMeeting, Google Meet, Skype, BlueJeans

Languages: proficiency in French, Italian, Spanish

Master Gardener (University of California Cooperative Extension certified)

Phlebotomy

### REFERENCES

Available on Request

### PUBLICATIONS

#### Peer Reviewed

1. **Gatto NM**, Freund D, Ogata P, Diaz L, Ibarrola A, Desai M, Aspelund T, Gluckstein D. Correlates of COVID-19 Inpatient Mortality at a Southern California Community Hospital with a Predominantly



Hispanic/Latino Population. *Open Forum Infectious Disease*, 2023, ofad011, <https://doi.org/10.1093/ofid/ofad011>

2. **Gatto NM**, Thordardóttir EB, Tomasson G, Rúnarsdóttir H, Jakobsdóttir J, Song H, Aspelund T, Valdimarsdóttir UA, Hauksdóttir A. Association between Adverse Childhood Experiences and Multiple Sclerosis in Icelandic Women – A Population-Based Cohort Study. *Brain Sciences* 2022. 12(11), 1559; <https://doi.org/10.3390/brainsci12111559>
3. Garcia L, Firek A, Freund D, Massai D, Khurana D, Lee JE, Zamarripa S, Sasaninia B, Michaels K, Nightingale J, **Gatto NM**. Decisions to Choose COVID-19 Vaccination by Health Care Workers in a Southern California Safety Net Medical Center Vary by Sociodemographic Factors. *Vaccines* 2022, 10, 1247. <https://doi.org/10.3390/vaccines10081247>
4. **Gatto NM**, Lee J, Massai D, Sasaninia B, Zamarripa S, Khurana D, Michaels K, Freund D, Nightingale J, Firek A. Correlates of COVID-19 vaccine acceptance, hesitancy and refusal among employees of a safety net California county health system with an early and aggressive vaccination program: Results from a cross-sectional survey *Vaccines*, 2021, 9, 1152. <https://doi.org/10.3390/vaccines9101152>
5. Chipidza W, Krewson C, **Gatto NM**, Akbaripouridibazar E, Gwanzura T. Ideological variation in preferred content and source credibility on Reddit during the COVID-19 pandemic. *Big Data & Society* 2022, 9(1), 20539517221076486.
6. **Gatto NM**, Lytle B, Ogata P. Farming, Pesticides and Brain Cancer: A 20-year Updated Systematic Literature Review and Meta-Analysis. *Cancers* 2021, 13, 4477.
7. **Gatto NM**, Garcia-Cano J, Irani C, Liu T, Chen Z, Paul J, Jaceldo-Siegl K, Fraser GF, Wang C, Lee GJ. Vegetarian dietary patterns and cognitive function among elderly adults: the Adventist Health Study-2. *Jo Nutrition in Gero and Geriatrics* 2021 Aug 19;1-18.
8. Barnes S, Chowdhury S, **Gatto NM**, Fraser GF, Lee GJ. Blood-brain barrier integrity and cognitive function in a healthy aging population *Brain and Behavior* 2021 Aug;11(8):e2273. Epub 2021 Jul 29
9. Chipidza W, Akbaripouridibazar E, Gwanzura T, **Gatto NM**. A topic analysis of traditional and social media news coverage of the early COVID-19 pandemic and implications for public health communication. *Disaster Medicine and Public Health Preparedness* 3 March 2021 1-23.
10. **Gatto NM**. Environmental Carcinogens and Cancer Risk. *Cancers* 2021, 13, 622.
11. **Gatto NM**, Schellhorn H. Optimal disease treatment in the presence of uncertainty. *Mathematical Biosciences* 2021; 333: 108539.
12. **Gatto NM**, Garcia-Cano J, Irani C, Liu T, Arakaki C, Fraser GF, Wang C, Lee GJ. Observed physical function is associated with better cognition among elderly adults: the Adventist Health Study-2. *American Journal of Alzheimer's Disease and Other Dementias* 2020; 35:1-13.
13. Liu T, **Gatto NM**, Chen Z, Qui H, Lee GJ, Fraser G, Durksen-Hughes P, Wang C. Vegetarian diets modulate circulating miRNA expression in relation to longevity and healthspan *Precision Clinical Medicine* 2020; 3(4): 245-259
14. Hemingway B, Felicitas-Perkins J, Johnson CA, Orr J, Osur M, Peterson D, **Gatto NM**. Design and Implementation of an Advanced Integrative Practicum Series for DrPH Students: Enriching Learning through Practice Experiences. *Journal of Public Health Pedagogy* June 2020
15. Ghavidel F, Fadardi JS, **Gatto NM**, Sedaghat F, Tabibi Z. Effectiveness of a Working Memory Training for Older Women. *Cognitive Processing*. 2020 Aug;21(3):383-390
16. Landry MJ, Markowitz AK, Asigbee FM, **Gatto NM**, Spruijt-Metz D, Davis JN. Cooking and Gardening Behaviors and Improvements in Dietary Intake in Hispanic/Latino Youth. *Child Obes*. 2019;15(4)
17. **Gatto NM**, Marshal S, Deapen D, Bordelon Y, Bernstein L, Ritz B. Passive Smoking and Parkinson's Disease in California Teachers. *Parkinsonism & Related Disorders* 2017 Dec;45:44-49
18. **Gatto NM**, Paul K, Sinsheimer J, Borderlon Y, Ritz B. Vitamin D receptor gene polymorphisms and cognitive decline in Parkinson's disease *Jo Neuro Sci* 2016 Nov 15;370:100-106
19. Sherzai AZ, Tagliati M, Park K, Pezeshkian S, **Gatto NM**, Sherzai D. Micronutrients and Risk of Parkinson's Disease: A Systematic Review. *Gerontol Geriatr Med* 2016 Apr 22 (2)

20. **Gatto NM**, Martinez LC, Spruijt-Metz D, Davis JN. LA Sprouts: A school-based randomized controlled nutrition, cooking and gardening program reduces obesity and metabolic disease risk in Latino youth *Ped Obesity* 2016 Feb 22. doi: 10.1111
21. Davis JN, Martinez LC, Spruijt-Metz D, **Gatto NM**. LA Sprouts - A 12-week gardening, nutrition, and cooking intervention improves dietary behaviors. *J Nutr Educ Behav*. 2015 Oct 6. pii: S1499-4046(15)00634-X. doi: 10.1016/j.jneb.2015.08.009.
22. **Gatto NM**, Sinsheimer J, Cockburn M, Escobedo LA, Borderlon Y, Ritz B. Vitamin D receptor gene polymorphisms and Parkinson's disease in a Population with High Ultraviolet Radiation Exposure *Jo Neuro Sci* 2015 May 15;352(1-2):88-93
23. Martinez LC, **Gatto NM**, Spruijt-Metz D, Davis JN. Design and methodology of the LA Sprouts nutrition, cooking and gardening program for Latino youth: a randomized controlled intervention. *Contemporary Clinical Trials* 2015 Apr 18;42:219-227
24. Dashtipour K, Liu M, Zarifi M, Dalaie P, Obenaus A, Simmons D, **Gatto NM**, Kani C. Iron Accumulation is Not Homogenous among Patients with Parkinson Disease. *Parkinsons Dis*. 2015;2015:324843. doi: 10.1155/2015/324843. Epub 2015 Apr 5.
25. **Gatto NM**, Deapen D, Stoyonoff S, Pinder R, Narayan S, Bordelon Y, Ritz B. Lifetime exposure to estrogens and Parkinson's disease in California teachers. *Parkinsonism Rel Dis* 2014 Nov; 20(11) 1149-1156.
26. **Gatto NM**, Henderson VW, Hodis H, St. John JA, Lurmann F, Chen JC, Mack WJ. Air Pollution and Cognitive Function in Healthy Adults in Los Angeles. *Neurotoxicology* 2014 Jan;40:1-7
27. Christian M, **Gatto NM**, Collins CE. School Gardens: Growing and Eating ABCs (Asparagus, Broccoli, and Cauliflower). *ICAN: Infant, Child, & Adolescent Nutrition*. 2013;5(3):154-156. doi:10.1177/1941406413487656
28. Sie L, **Gatto NM**, Bancroft E. Hospitalizations due to Hepatitis C in Los Angeles County, 2007-2009; Case Characteristics and Factors Associated with Mortality. *Journal of Viral Hepatitis* 2013 Sep;20(9):628-37
29. Jyrala A, **Gatto NM**, Kay G. Incidence of Subclinical Hypothyroidism in Cardiac Surgery Patients. Comparison of Presentation Characteristics, Hospital and Medium-Term Outcomes with Euthyroid Patients. *World Journal of Cardiovascular Surgery* 2012 Oct; 3(2): 54-59
30. **Gatto NM**, Varma R, Torres M, Segal-Gidan F, Wong TY, Johnson PL, Mack WJ. Retinal Microvascular Abnormalities and Cognitive Function in Middle-aged and Older Latino Adults in Los Angeles. *Ophthalmic Epidemiology* 2012 Jun;19(3):127-36
31. **Gatto NM**, Ventura EE, Cook LT, Gyllenhammer LG, Davis JN. LA Sprouts: A Garden-Based Nutrition Intervention Impacts Motivation and Preferences for Fruits and Vegetables in Latino Youth. *Journal of the Academy of Nutrition and Dietetics* 2012 Jun;112(6):913-20.
32. Davis JN, Ventura EE, Cook LT, Gyllenhammer LG, **Gatto NM**. LA Sprouts: A Gardening, Nutrition and Cooking Intervention for Latino Youth Improves Diet and Reduces Obesity. *Journal of American Dietetic Association* 2011; 111: 1224-1230
33. **Gatto NM**, Bordelon Y, Gatz M, Ritz B. Personality Characteristics and Motor Skills attributed to Occupations in Parkinson's Disease. *Cognitive and Behavioral Neurology* 2011 Mar; 24(1): 18-25.
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### **Under Review**

1. Gabitto M, Travaglini K, Ariza J, Kaplan E, Long B, Rachleff V, Ding Y, Mahoney J, Dee N, Goldy J, Melief E, Brouner K, Campos J, Carr A, Casper T, Chakrabarty R, Clark M, Cool J, Dalley R, Darvas M, Dolbeare T, Ding S, Egdorf T, Esposito L, Ferrer R, Gala R, Gary A, Gloe J, Guilford N, Guzman J, Ho W, Jarsky T, Johansen N, Kalmbach B, Keene L, Khawand S, Kilgore M, Kirkland A, Kunst M, Lee B, MacDonald C, Malone J, Maltzer Z, Martin N, McCue R, McMillen D, Meyerdierks E, Meyers K, Mollenkopf T, Montine M, Nolan A, Nyhus J, Olsen P, Pacleb M, Pham T, Pom C, Postupna N, Ruiz A, Schantz A, Sorensen S, Staats B, Sullivan M, Sunkin S, Thompson C, Tieu M, Ting J, Torkelson A, Tran T, Cuevas NV, Wang M, Waters J, Wilson A, Haynor D, **Gatto NM**, Jayadev S, Mufti S, Ng L, Mukherjee S, Crane P, Latimer C, Levi B, Smith K, Close J, Miller J, Hodge R, Larson E, Grabowski T, Hawrylycz M, Keene C. Integrated multimodal cell atlas of Alzheimer's disease. *Nature*

### **In preparation**

1. **Gatto NM**, Ramzy M, Henderson VW, Hodis H, St. John JA, Lurmann F, Chen JC, Mack WJ. Air Pollution and Depressed Mood in Healthy Adults in Los Angeles.
2. **Gatto NM**, Mata W, French A, Keefe M, Ross J, Matsumoto J. The Little Green Fingers Community Garden Collaborative: Results from a Study of Gardeners
3. **Gatto NM**, Varma R, Torres M, Segal-Gidan F, Mack WJ. Retinal Nerve Fiber Layer Thickness and Cognitive Function in Middle-aged and Older Latino Adults in Los Angeles.

### **Book Chapters**

1. Mahale P, **Gatto NM**, Brown LM. Esophageal Cancer In: Quah, SR and Cockerham, WC (eds.) The International Encyclopedia of Public Health, 3rd edition. vol.1, pp. xx-xx. Oxford: Academic Press (*in process*)

### **Symposia**

1. Davis JN, **Gatto NM**, Somerset S, Rauzon S, Weber J, Ratciff M. "School Gardening for Sustainable Healthy Living" 2012 Annual Meeting of the International Society for Behavioral Nutrition and Physical Activity (ISBNPA) Austin, Texas, May 23-26, 2012.

### **Dissertations**

1. Kenborg L, Ritz B, **Gatto NM**, Olsen JH. Occupation, smoking and risk for Parkinson disease. Graduate School of Health and Medical Sciences, University of Copenhagen. Filed October 7, 2012.

### **Abstracts and Conference Presentations**

1. Travaglini KJ, Ariza J, Long B, Smith KA, Campos J, Casper T, Chakrabarty R, Clark M, Darvas M, Dee N, Ding SL, Ding Y, Ferrer R, Goldy J, Mahoney JT, Maltzer Z, McMillen D, Gelfand E, Gloe J, Guilford N, Guzman J, Kaplan ES, Latimer CS, Melief EJ, Nyhus J, Pham T, Rachleff V, Torkelson A, Crane PK, **Gatto NM**, Levi B, MacDonald C, Jayadev S, Mukherjee S, Wang MQ, Close J, Gabitto M, Hodge RD, Miller JA, Larson EB, Grabowski TJ, Hawrylycz MJ, Keene CD, Lein ES. Combining quantitative neuropathology and single cell genomics to define the cellular specificity and temporal patterning of Alzheimer's disease pathology and progression in the open science SEA-AD consortium. Alzheimer's Association International Conference, Amsterdam, Netherlands, July 16-20, 2023
2. Gabitto MI, Travaglini KJ, Ariza J, Close J, Ding Y, Long B, Rachleff VM, Chakrabarty R, Crane PK, Ferrer R, **Gatto NM**, Goldy J, Grabowski TJ, Guilford N, Guzman J, Hawrylycz MJ, Hodge RD, Jayadev D, Kaplan ES, Keene CD, Larson EB, Latimer CS, Levi BP, Mahoney JT, Melief EJ, Miller JA, Mukherjee S, Pham T, Smith K, Torkelson A, Bhaswanth Chakka A, Lein ES. Multimodal and multiregional atlas of Alzheimer's disease changes. Alzheimer's Association International Conference, Amsterdam, Netherlands, July 16-20, 2023

3. Crane PK, Lind B, Dodd TS, Lyons M, Macuiba JA, Gray SL, Meyers KP, Kelley A, Nemerever LC, MCovey J, Campbell CC, Lederman B, Sheridan L, Tom SE, Larson EB, Nelson JC, LaCroix AZ, **Gatto NM**, Renz A. The Adult Changes in Thought (ACT) Medical Records Abstraction Project: A resource for research on the aging brain and Alzheimer's disease and related dementias. Alzheimer's Association International Conference, Amsterdam, Netherlands, July 16-20, 2023
4. Watson J, Menya D, Puzzolo E, Čukić I, Sang E, Sams C, Middleton D, Schüz J, McCormack V, Chartier R, **Gatto N**, Pope D. Household air pollution, polycyclic aromatic hydrocarbons and esophageal cancer risk in Kenya: HAP ESCCAPE case-control study. International Society of Environmental Epidemiology, Athens, Greece, September 18-21, 2022.
5. Loong S, Chowdhury S, Togashi T, **Gatto NM**, Barnes S, Lee GJ. Omega-3 Fatty Acids, Cognition, and Brain Volume in Healthy Elderly Adults. International Neuropsychological Society, San Diego, CA, February 1-4, 2023.
6. Ge F, Köhler-Forsberg O, Song H, Aspelund T, Jakobsdóttir J, Þórðardóttir EB, Tomasson G, **Gatto NM**, Hauksdóttir A, Valdimarsdóttir UA. Adverse childhood experiences and autoimmune disease among adult women: a population-based study. 9th World Congress on Women's Mental Health Maastricht, The Netherlands, November 6-9, 2022.
7. Garcia L, Freund D, Firek A, Massai D, Lee J, Sasaninia B, Zamarripa S, Khurana D, Michaels K, Nightingale J, **Gatto NM**. The Decision of Health Care Workers to be Vaccinated Against COVID19 in a California Safety Net Medical Center is Influenced by Sociodemographic Factors. American Public Health Association (APHA) Boston, MA, November 6-9, 2022
8. **Gatto NM**. Is vitamin D associated with Parkinson's disease in a population with low sunlight exposure? Arctic Circle Assembly, "Fulbright in the Arctic – Meet the Scientists"; Reykjavik, Iceland, October 13-17, 2021
9. Barnes S, Chowdhury S, Garcia-Cano J, **Gatto NM**, Lee GJ. Blood-brain barrier integrity and cognitive function in a healthy aging population. ISMRM 28<sup>th</sup> Annual Meeting and Exhibition, Sydney, Australia, 18-23 April, 2020
10. Hardt, B. M., Tolan, B.E., **Gatto, N. M.**, & Lee, G. J. (2020, August). *Effect of BMI, Sex, and Age on Working Memory Performance in Healthy Older Adults*. APA Division 40: Society for Clinical Neuropsychology, Washington, D.C.
11. Hardt, B. M., Nguyen, A. T., Jacobson, B.S., **Gatto, N. M.**, & Lee, G. J. (2020, August). *Effect of Subsyndromal Symptomatic Depression on Physical Functioning in Healthy Older Adults*. APA Division 40: Society for Clinical Neuropsychology, Washington, D.C.
12. Hardt BM, Nguyen, AT, **Gatto, NM**, Lee, GJ. Working Memory as a Mediator of the Relationship Between Education and Phonemic Fluency. APA Annual Convention 2019, Division 40: Society for Clinical Neuropsychology, Chicago, Illinois.
13. Hemingway B, Felicitas-Perkins J, Peterson D, Osur M, Orr J, Johnson C A, **Gatto NM**. Advanced Integrative Practicum Series: Enriching Student Learning through Professional Practice Opportunities. APHA, Philadelphia, PA November 2 – 6, 2019
14. **Gatto NM**, Garcia-Cano J, Irani C, Lee GJ. Observed physical function is associated with better cognition among elderly adults: the Adventist Health Study-2. Alzheimer Society International Congress 2019, San Francisco, CA, February 19-21, 2019
15. Tafreshi A, Tashiro S, **Gatto NM**, Dashtipour K. Difference in DNA Methylation among Patients with Parkinson's Disease. Congress of Neurological Surgeons, Houston, TX, October 6-10, 2018
16. **Gatto NM**, Deapen D, Bordelon Y, Marshall S, Ritz B. Environmental Tobacco Smoke Exposure and Parkinson's Disease in California Teachers. International Society for Environmental Epidemiology, Sydney, Australia September 24-28, 2017.
17. **Gatto NM**, Sullivan W, Litt JS. Do community and school gardens impact our physical health and cognition? How? International Society for Environmental Epidemiology, Sao Paulo, Brazil August 30-September 3, 2015.

18. **Gatto NM**, Martinez LC, Davis JN. Changing the urban food landscape: school and community gardens as instruments for improved health outcomes. APHA, New Orleans, LA November 15-20, 2014.
19. Davis JN, Cook LT, Spruijt-Metz D, **Gatto NM**. LA Sprouts: Results from a gardening, nutrition and cooking program for low-income Hispanic children. The Obesity Society, Boston, MA November 2-7, 2014.
20. Cook L, **Gatto NM** Davis J, Chou CP, Spruijt-Metz D. Modifying a structural equation model of child dietary intake using the Lagrange Multiplier test in SAS® PROC CALIS. Midwestern SAS Users Group Conference. Chicago, IL, October 5-7, 2014.
21. Banta J, Haviland M, **Gatto NM**, Soret S, Santos E. Psychiatric Emergency Department visits in California, 2005-2011. ESRI International User Conference, San Diego, July 14-18, 2014.
22. Davis JN, Cook LT, Spruijt-Metz D, **Gatto NM**. Preliminary Results from LA Sprouts: a gardening, nutrition and cooking program for low-income Hispanic children. ISBNPA San Diego, May 21-24, 2014.
23. Cook LT, **Gatto NM**, Chou CP, O'Reilly GA, Spruijt-Metz D, Davis JN. Determinants of fruit and vegetables preferences and intake in Latino children. ISBNPA San Diego, May 21-24, 2014.
24. Watkins LM, Cook LC, **Gatto NM**, Miller S, Shearer GE, Davis, JN. Association of motivation to eat fruit and vegetables, garden and cook on adiposity and metabolic outcomes in low-income Latino youth. ISBNPA San Diego, May 21-24, 2014.
25. Gatto NM, Cook LT, Davis JN. Preliminary Findings from LA Sprouts: a gardening, nutrition and cooking program for low-income Latino youth. 2014 Healthy People in Healthy Communities Conference. Loma Linda, CA March 3-5, 2014.
26. **Gatto NM**, Sherzai D, Jaceldo-Siegl K, GE Fraser GE. Coffee Consumption, Caffeine and Self-Reported Parkinson's Disease in the Adventist Health Study-2. American Public Health Association 141<sup>st</sup> Annual Meeting, Boston, November 5-7, 2013.
27. Dashtipour K, Haacke M, Liu M, **Gatto NM**. Iron Accumulation in the Brain of Patients with Parkinson Disease May Correlate to the Clinical Outcome. Clinical Neurosciences, Grand Rapids, MI, October 2013.
28. Cook L, Davis J, Spruijt-Metz D, **Gatto NM**. Repeated Measures ANCOVA with the MIXED and GLM procedures: Examining an intervention to reduce childhood obesity. Western Users of SAS Software, Las Vegas, NV, November 13-15, 2013
29. Cook L, **Gatto NM**, Spruijt-Metz D, Davis J. LA Sprouts: A Nutrition, Cooking and Gardening Program for Obesity Prevention in Latino Youth. Southwest Chapter of the American College of Sports Medicine. Newport Beach, CA, October 19, 2013
30. Dashtipour K, Haacke M, Liu M, Dalai P, **Gatto NM**. Iron Accumulation in the Brain of Patients with Parkinson Disease May Correlate with Clinical Outcomes. Grand Challenges in Parkinson Disease. Grand Rapids, MI September 18-19, 2013.
31. **Gatto NM**, Cockburn M, Sinsheimer J, Bronstein J, Ritz, B. Vitamin D Receptor Polymorphism Interacts with Sunlight Exposure in Parkinson's Disease in the Central Valley of California. 23rd Annual Conference of the International Society for Environmental Epidemiology, Barcelona, Spain September, 2011.
32. **Gatto NM**, Deapen D, Ritz B. Environmental Tobacco Smoke and Parkinson's Disease in the California Teachers Study. 23rd Annual Conference of the International Society for Environmental Epidemiology, Barcelona, Spain September, 2011.
33. **Gatto NM**, Varma R, Torres M, Segal-Gidan F, Wong TY, Johnson PL, Mack WJ. Retinal Microvascular Abnormalities and Cognitive Function in Latino Adults in Los Angeles. 3rd North American Congress of Epidemiology, Montreal, Quebec, Canada, June 2011.
34. **Gatto NM**, Ventura EE, Cook LT, Gyllenhammer LG, Davis JN. LA Sprouts: A Garden-Based Nutrition Intervention Impacts Motivation and Preferences for Fruits and Vegetables in Latino Youth. 3rd North American Congress of Epidemiology, Montreal, Quebec, Canada, June 2011.
35. Davis JN, Ventura EE, Cook LT, Gyllenhammer LG, **Gatto NM**. LA Sprouts: A Gardening, Nutrition and Cooking Intervention for Latino Youth Improves Diet and Reduces Obesity. 3rd North American Congress of Epidemiology, Montreal, Quebec, Canada, June 2011.

36. **Gatto NM**, Bordelon Y, Gatz M, Ritz B. Personality Characteristics and Motor Skills Attributed to Occupations in Parkinson's Disease. World Parkinson Congress, Glasgow, Scotland, September 2010.
37. **Gatto NM**, Cockburn M, Bronstein J, Ritz B. Sunlight Exposure and Parkinson's Disease in California. World Parkinson Congress, Glasgow, Scotland, September 2010.
38. **Gatto NM**, Cockburn M, Bronstein J, Ritz B. Sunlight Exposure and Parkinson's Disease in California. International Society of Environmental Epidemiology, Seoul, South Korea. August 2010.
39. **Gatto NM**, St. John JA, Cockburn M, Hodis H, Lurmann F, Mack WJ. Components of Air Pollution are Associated with Lower Cognitive Function among Healthy Adults in Los Angeles. International Society of Environmental Epidemiology, Dublin, Ireland. August 2009.
40. **Gatto NM**, Cockburn M, Bronstein J, Farrer M, Ritz B.  $\alpha$ -Synuclein Repeat Polymorphisms and Pesticide Exposure in Parkinson's Disease. International Society of Environmental Epidemiology, Dublin, Ireland. August 2009.
41. **Gatto NM**, Relys V, Bordelon Y, Ritz B. Personality traits inferred from occupational characteristics differ between Parkinson's patients and controls. Society of Epidemiologic Research, Anaheim, CA, June 2009.
42. Jacob E, **Gatto NM**, Thompson A, Bordelon Y, Ritz B. Occurrence of Depression and Anxiety prior to Parkinson's Disease. Movement Disorder Society, Paris, France, June 2009
43. **Gatto NM**, Kelsh M, HaMai D, Suh M, Proctor D. A Meta-Analysis of the Relationship between Occupational Exposure to Hexavalent Chromium and Cancers of the Gastrointestinal Tract. Society of Toxicology Conference, Baltimore, MD March 2009.
44. **Gatto NM**, Wahner A, Bronstein J, Ritz, B. Well Water Consumption and Parkinson's Disease in Rural California. International Society of Environmental Epidemiology Annual Meeting. Pasadena, CA September 2008.
45. Sanossian N, **Gatto NM**, Ovbiagele B. Patterns of Influenza Vaccination among Stroke Survivors. American Academy of Neurology Annual Meeting, Chicago, IL April 2008.
46. Suh M, Hamai D, **Gatto NM**, Proctor DM. Iron Deficiency as Mode of Action for Rat Oral Cavity Neoplasms in the 2007 National Toxicology Program Drinking Water Study of Hexavalent Chromium. Society of Toxicology Conference, Seattle, WA March 2008.
47. **Gatto NM**, Henderson VW, St. John J, McCleary C, Hodis H, Wack WJ. The Metabolic Syndrome and Cognitive Function in Healthy Middle-Aged and Older Adults. (oral presentation) American Heart Association International Stroke Conference, New Orleans, LA February 2008.
48. **Gatto NM**, Alexander DD, Kelsh MA. A Meta-Analysis of Occupational Exposure to Hexavalent Chromium and Stomach Cancer. 19<sup>th</sup> Annual International Society of Environmental Epidemiology Conference. Mexico City, Mexico. September 5-9, 2007.
49. Jyrala A, **Gatto NM**, Kay GL. Use of EuroSCORE for predicting hospital stay, postoperative intensive care stay and mid-term mortality in high-risk patients. 56th Annual Meeting of the Scandinavian Association of Thoracic Surgery. Helsinki Finland. August 16-18, 2007.
50. Jyrala A, **Gatto NM**, Kay GL. Is EuroSCORE able to predict length of stay, length of postoperative intensive care stay and medium-term mortality in medium-risk patients? 56th Annual Meeting of the Scandinavian Association of Thoracic Surgery. Helsinki Finland. August 16-18, 2007.
51. **Gatto NM**, Henderson VW, St. John J, Hodis H, McCleary C, Wack WJ. Subclinical Atherosclerosis Explains Differences in Cognitive Function. American Heart Association Scientific Sessions, Chicago, IL, November 12-15, 2006.
52. St. John J, Henderson V, **Gatto N**, McCleary C, Spencer C, Hodis H, Mack W. Elevated thyroid stimulating hormone and cognition: Age-dependent effects. *Alzheimer Dis Assoc Disord.* 2006;20:suppl 2:S105.
53. Jyrala A, **Gatto NM**, Kay GL. Prediction of Outcomes by Euroscore in Patients with Repaired Nonischemic Mitral Regurgitation. 16<sup>th</sup> World Congress of the World Society of Cardio-Thoracic Surgeons, Ottawa, Canada, August 17-20, 2006.
54. **Gatto NM**, Hodis H, Liu CR, Liu CH, Mack WJ. Correlations Between Brachial Artery Vasoreactivity and Anatomical Measures of Atherosclerosis. 46<sup>th</sup> Annual Conference on Cardiovascular Disease

Epidemiology and Prevention in association with the Council on Nutrition, Physical Activity and Metabolism, Phoenix, AZ, March 2-5, 2006.

55. Minaglia SM, Özel B, **Gatto NM**, Mishell DR, Miller DA. Decreased rate of obstetrical anal sphincter laceration reflects change in obstetric practice. 32nd Annual Scientific Meeting of the Society of Gynecologic Surgeons, Tucson, AZ, April 3-5, 2006.
56. **Gatto NM**, Hodis H, Liu CR, Liu CH, Mack WJ. Correlations Between Brachial Artery Vasoreactivity and Anatomical Measures of Atherosclerosis. American Heart Association, Young Investigators Forum, Irvine, CA, September 30, 2005
57. Goldstein MS, Brown ER, Morgenstern H, Bastani R, Grant D, **Gatto N**, Ballard-Barbash R, Willis G, Ambbs A. Utilization of complementary and alternative medicine (CAM) by adults with cancer in California: Results from the California Health Interview Survey Follow-up Study of CAM. American Public Health Association, 131st Annual Meeting and Exposition, San Francisco, CA, November 15-19, 2003
58. Spruijt-Metz D, Reynolds K, Lindsey G, Troped P, Wolch J, Byrne J, Myles R, Hsieh S, Xie B, **Gatto N**, Sallis J. Development of Modular Trail Use Questionnaire. Active Living Conference, Annual Conference, San Diego, CA, February 25-26, 2005
59. Suhy J, Schuff N, Miller RG, **Gatto N**, Maudsley AA, Weiner MW. 1H MRSI Measurement of Early Detection and Longitudinal Changes in ALS. International Society for Magnetic Resonance in Medicine, 8th Scientific Meeting and Exhibition, Denver, CO, April 3-7, 2000
60. Suhy J, Schuff N, Miller RG, **Gatto N**, Maudsley AA, Weiner MW. Quantitation of measurement error for motor cortex NAA in ALS. International Society for Magnetic Resonance in Medicine, 7th Scientific Meeting and Exhibition, Philadelphia, PA, May 22-28, 1999.
61. Alroy-Rosin D, McCrosky L, Baldessari A, **Gatto N**, Menivar R, Padron R, Harris JN. Role of Attention and Memory Impairment in Alzheimer's Disease: Correlates with Cerebral Glucose Metabolism. Proceedings of the 1995 Annual American Psychological Society Conference, New York, NY, July 1995.
62. Mohr DC, Neilly L, **Gatto N**, Griffen C, Lakowski W, Steibling B, Goodkin DE. Expectations of Multiple Sclerosis Patients Initiating Betaseron Therapy. American Academy of Neurology Conference. Seattle, WA, May 1995.

#### **Invited talks or presentations**

1. Panelist, "Strategies for Moving from Coursework to Completion", 'Re-Orientation Program' for doctoral students, Claremont Graduate University, February 1, 2019
2. Presenter, "Great Decisions - Global Health: Progress and Challenges", Westminster Gardens, April 3, 2018, Duarte, CA
3. Presenter, "Passive smoking and Parkinson's disease in California Teachers". Center for Occupational and Environmental Health (COEH) Research Seminar Series, UC Irvine, December 1, 2017, Irvine, CA
4. Speaker and panelist, "Community and School Gardens and Public Health". Territorial Repercussions, October 10, 2015, Los Angeles, CA
5. Panelist, Los Angeles 9<sup>th</sup> Annual Gathering of Community Gardens, October 3, 2015, Los Angeles, CA
6. Speaker, "Little Green Fingers - Building gardens in Los Angeles; evaluation of program outcomes" American Community Garden Association 36<sup>th</sup> Annual Conference, August 14-16, 2015, Denver, CO
7. Speaker, "Lifestyle as Neurotherapeutics" Symposium, American Society for Experimental NeuroTherapeutics (ASENT) 17<sup>th</sup> Annual meeting, February 19-21, 2015, Washington, DC

#### **Interviews or contributions to media**

1. Guest on KLOS 95.5FM "Spotlight on the Community" speaking about Little Green Fingers and LA Sprouts projects; first aired August 3, 2014 produced by Denise Westwood
2. "LA Sprouts Program, Los Angeles"; short informational video produced by Gregory Mena and Tin H. Tran, December 4, 2012
3. "Scholars Circle" feature on my projects including LA Sprouts and Little Green Fingers; first aired on KPFK 90.7 FM Los Angeles, November 18, 2012 produced by Maria Armoudian



4. "Small Stuff" Kaiser Permanente 2012 Thrive Campaign television spot featuring Milagro Allegro Community Garden, first aired July 2012
5. "Focus on Food" pilot episode, aired on KPFK 90.7 FM Los Angeles, May 5, 2012 produced by Alan Minsky
6. "Parkinson's Alley" in the Sierra Club Magazine, Jan/Feb 2102.
7. "Pesticides in well water increase risk of Parkinson's disease" in Pesticide Action Network UK, December 2009 No. 86.
8. "Pesticides in Well Water May Increase Risk of Parkinson's Disease; Most Definitive Study to Date" by Susan Fitzgerald, in Neurology Today, January 21, 2010, Vol 10, Issue 2
9. "Exploring LA Neighborhoods – 1st Stop Highland Park" aired on KPCC 89.3FM Los Angeles, June 27, 2010 with Shirley Jahad
10. "Nobody's Business" a film by Alan Berliner, San Francisco International Film Festival, San Francisco, CA, May 1997

### **COVID-19 WORK**

Seminar, Center of Public Health Sciences, University of Iceland, Reykjavik, Iceland, "Vaccine acceptance among employees of a County health system", November 4, 2021

Speaker, Virtual Rector's Forum, June 20, 2021 "Return to Worship", All Saints Church, Pasadena.  
[https://drive.google.com/file/d/1jo3II50\\_HWOaRqKf1ej4DJYuh7Q\\_LGLf/view?usp=sharing](https://drive.google.com/file/d/1jo3II50_HWOaRqKf1ej4DJYuh7Q_LGLf/view?usp=sharing)

YouTube video, "The Garden View with Nicole Gatto - Vaccine Hesitancy and Returning to Normal", June 7, 2021  
[https://youtu.be/CLNx\\_tzljpM](https://youtu.be/CLNx_tzljpM)

Podcast, "The Campfire: Vaccines and the Vaccinated", May 7, 2021 <https://cgupodcast.libsyn.com/vaccines-and-the-vaccinated>

Presenter, Foreign Policy Association, Great Decisions Series, "The WHO Response to COVID-19", April 27, 2021 Westminster Gardens. <https://tinyurl.com/nst4hrkz>

Lunch & Learn, "Vaccine Acceptance among employees of a County health system", April 16, 2021 Claremont Graduate University. <https://tinyurl.com/944frck4>

Guest lecturer, TNDY 408C COVID-19 and Health Systems in the USA and Around the World: "The Epidemiology of COVID-19", September 3, 2020, Claremont Graduate University. <https://tinyurl.com/y3kq68qf>

Webinar, "The Epidemiology of COVID-19 at 6 months: 10 things we know and 10 we don't", June 19, 2020, Claremont Graduate University. <https://tinyurl.com/ycwe4uqa>

Panelist, with Deputy Director of the Pasadena Public Health Department, Manuel Carmona, and physician, Giancarlo DiMassa. Virtual Rector's Forum, May 17, 2020 "The Intersection of Race and Covid-19", All Saints Church, Pasadena. <https://youtu.be/KDgqHgKOD60>

[Academic Paper](#) Co-Author: Gatto NM, Schellhorn H. Optimal disease treatment in the presence of uncertainty. *Mathematical Biosciences* 2021; 333: 108539.

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IRB Interim Chair/Committee Member, resuming human subjects research policy & procedures, Claremont Graduate University [https://my.cgu.edu/it/wp-content/uploads/sites/5/2020/10/CGU\\_HSR\\_policy\\_COVID\\_10-13-20.pdf](https://my.cgu.edu/it/wp-content/uploads/sites/5/2020/10/CGU_HSR_policy_COVID_10-13-20.pdf) Updated: <https://my.cgu.edu/research/human-subjects-research-during-the-covid-19-pandemic/>

Consulting Epidemiologist, Back-to-Campus Taskforce, All Saints Church, Pasadena <https://allsaints-pas.org/all-saints-updated-covid-19-protocols/> and [https://allsaints-pas.org/wp-content/uploads/2021/03/All-Saints-Church-COVID\\_033021.pdf](https://allsaints-pas.org/wp-content/uploads/2021/03/All-Saints-Church-COVID_033021.pdf)

Contributor, "COVID-19 Latest research news" summaries, [Inequality and Policy Research Center](#), Claremont Graduate University at <https://research.cgu.edu/democratic-renewal/covid-19/>

Member, The Claremont Colleges COVID-19 Safety Planning Group, Testing Subcommittee

Blogger, School of Community and Global Health, Claremont Graduate University Blog <https://mycampus.cgu.edu/web/scgh/blog>

Subject matter expert

- [Kaiser Health News and Politifact Healthcheck](#)
  - "DeSantis Advances Questionable Link Between Lockdowns and Despair" by Phil Galewitz February 24, 2021 <https://khn.org/news/article/desantis-advances-questionable-link-between-lockdowns-and-despair/>
- [Politifact](#), the Poynter Institute
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  - "People have lost faith in the ability of the vaccine to work. Already, the numbers are really staggeringly low." by Louis Jacobson December 8, 2020 <https://www.politifact.com/factchecks/2020/dec/08/joe-biden/many-americans-say-they-dont-want-vaccine-should-w/>
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- “How much did protests contribute to LA’s COVID-19 surge? Data is still sparse” by Chris Nichols July 21, 2020 <https://www.politifact.com/article/2020/jul/21/how-much-did-protests-contribute-las-covid-19-surg/>
  - “We have one of the lowest mortality rates in the world” from COVID-19” by Louis Jacobson July 20, 2020 <https://www.politifact.com/factchecks/2020/jul/20/donald-trump/donald-trump-wrong-say-us-has-one-lowest-mortality/>
  - “Is a Second Wave of Coronavirus Coming” by Louis Jacobson June 22, 2020 <https://www.politifact.com/article/2020/jun/22/second-wave-coronavirus-coming/>
  - “VP Mike Pence says Oklahoma flattened the COVID-19 curve. That’s False” by Louis Jacobson June 16, 2020 <https://www.politifact.com/factchecks/2020/jun/16/mike-pence/has-oklahoma-flattened-curve-mike-pence-said/>
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  - “Are coronavirus cases going down all over the US?” by Louis Jacobson May 28, 2020 <https://www.politifact.com/factchecks/2020/may/28/donald-trump/are-coronavirus-cases-going-down-all-over-us/>
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  - Los Angeles Times, “Is a routine trip to the doctor or dentist now a health hazard?” by David Lazarus, August 21, 2020 <https://www.latimes.com/business/story/2020-08-21/column-coronavirus-healthcare-exams>
  - NY City News Service, “The Big Cost of a Little Confusion” by Sonya Swink, June 2, 2020 <https://www.nycitynewsservice.com/2020/06/the-big-cost-of-a-little-confusion/>
  - New York Times, The Upshot, “When 511 Epidemiologists Expect to Fly, Hug and Do 18 Other Everyday Activities Again”, By Quoc Trung Bui, Claire Cain Miller and Margot Sanger-Katz, June 8, 2020. <https://www.nytimes.com/interactive/2020/06/08/upshot/when-epidemiologists-will-do-everyday-things-coronavirus.html>

Member, Community Care Team, All Saints Church, Pasadena <https://allsaints-pas.org/coronavirus/>

Consulting Epidemiologist, Passteur [www.passteur.com](http://www.passteur.com)

## GRANTS

### COMPLETED

**2150280 GRASP (Barnes, Lee)**

**6/1/16-12/31/21 (NCE)**

**Loma Linda University- Research Affairs (Intramural)**

The effect of aging and dietary pattern on blood-brain barrier integrity

Using data from an ongoing study (AHS-2 CAN), we will recruit two groups (with low and high PUFA levels) who will then have a follow up cognitive assessment (approximately 1 year after their AHS-2 CAN assessment), allowing us to examine longitudinal changes in cognitive function. Additionally, all participants will undergo MRI scanning, from which we will derive BBB integrity and multiple other markers of brain health, including measures of brain volume, white matter structural integrity, and iron deposition. The relationships between omega-3 PUFA serum levels, BBB integrity, cognitive decline, and MRI biomarkers will be examined. Role: Co-I

**Fletcher Jones Foundation**

**Claremont Graduate University (Intramural)**

**7/1/18-6/30/21 (NCE)**

Vegetarian Dietary Patterns and progression in Parkinson's disease

This proposed hospital-based epidemiologic study of PD cases with established diagnoses by movement disorder specialists takes advantage of a special exposure population. We will collect data during regular clinic visits to characterize vegetarian dietary patterns and make use of existing patient data to test hypotheses related to diet and PD progression. We will explore whether periodic or regular adherence to one or more type of vegetarian dietary pattern across the lifespan could influence disease severity.

**2140309 GRASP (Gatto, Lee)**

**Loma Linda University- Research Affairs (Intramural)**

**02/01/15—10/15/20**

Dietary Patterns and Cognitive Dysfunction in the Aged: Adventist Health Study-2 \$37,500

We will develop and implement an approach to assess cognitive function a sample of older adult participants residing in southern California an average of 9 years after enrollment. We will then associate cognitive function with dietary patterns, adjusting for likely confounders.

**UCLA American Parkinson's Disease Association**

**1/1/17 – 8/31/17**

**Pilot Grant (Bordelon)**

Second follow-back study of newly identified cases of Parkinson's disease in the California Teachers Study

Conduct a diagnostic confirmation study of women with Parkinson's disease in the California Teachers Study (CTS) cohort. Describe the incidence and prevalence of PD among female teachers and administrators in California years during 1995-2012. Use existing data from the unique resource available in the CTS to estimate the effects of suspected and novel risk and protective factors for PD including reproductive history and estrogen use, sun exposure, NSAID and statin use, dietary factors, and environmental tobacco smoke.

**5U01CA152939 (Fraser)**

**9/26/11 – 8/31/16**

**National Cancer Institute**

Cancer Epidemiology in Adventists – The Adventist Health Study-2: This project examines the risk of chronic disease in 96,000 Seventh-day Adventists, with special focus on a possible association between various dietary factors and cancers of the breast, prostate and colon.

**5R21DK094066 (Spruijt-Metz)**

**05/01/13—04/30/15**

**National Institute of Diabetes and Digestive and Kidney Disease**

LA Sprouts: A garden/nutrition intervention to improve health for high-risk youth

This study was the first to conduct a randomized controlled gardening and nutrition intervention to reduce obesity and metabolic disorders in high-risk Latino youth.

**National Institute of Environmental Health Sciences**

**10/01/09 – 9/30/11**

**R03ES017139 (Ritz)**

**Sunlight Exposure & Vitamin D Metabolic Gene Variations in Parkinson's Disease**

Examine whether long-term low levels of vitamin D either through inadequate sunlight exposure or alterations in metabolic genes that influence physiological vitamin D levels increase the risk of PD using the NIEHS-funded Parkinson Environment Gene (PEG) study (368 cases, 401 population controls). Test associations between long-term UV exposure measures and PD, and examine whether genetic variations presumed to result in different physiological vitamin D activity in genes critical to the vitamin D pathway (*VDR, GC, CYP27A1, CYP27B1 and CYP24A1*) increase the risk of PD. Preliminarily investigate gene-gene and gene-environment interactions.

**UCLA American Parkinson's Disease Association**

**10/1/09 – 3/01/11**

**Pilot Grant (Gatto)**

Identifying risk and protective factors for Parkinson's disease using data from the California Teachers Study Describe the incidence and prevalence of PD among female teachers and administrators in California years during 1995-2006. Use existing data from the unique resource available in the CTS to estimate the effects of suspected and novel risk and protective factors for PD including reproductive history and estrogen use, sun exposure, NSAID and statin use, dietary factors, and environmental tobacco smoke. Incorporate a sophisticated GIS system provided to us by collaborators to estimate UV radiation exposure using publicly available UV maps.

**UCLA Southern California Education and Research Center**

**10/1/10– 9/30/11**

**NIOSH Pilot Grant (Gatto)**

Explore the feasibility of further developing our GIS-based pesticide exposure model to include additional parameters pertaining to soil, climate and ground water characteristics to improve the predictability of the model, and then use this model to obtain data on pesticide exposure estimates from potentially contaminated well water, which we will examine in our study of Parkinson's disease.

**National Institute of Environmental Health Sciences**

**10/1/08 – 09/30/10**

**T32ES01545 (Gatto)**

**Post-Doctoral Fellowship Training Grant in Molecular Toxicology, UCLA**

Post-doctoral training in environmental, molecular and genetic epidemiology supporting research in environmental, occupational and genetic risk and protective factors for Parkinson's disease. Develop professional skills, including grant writing and laboratory and project management.

**Southern California Environmental Health Sciences Center**

**Pilot Project Grant (Gatto)**

**8/1/09 – 7/31/10**

**Sunlight Exposure in Parkinson's Disease**

Apply a sophisticated geographic information system-based model of UV exposure to test associations of sunlight exposure with PD. Generate pilot data investigating a potential novel mechanism of pathogenesis for sporadic PD, which will be used in a future NIH RO1 grant application.

**National Institute of Aging**

**5/1/05 – 12/1/07**

**5-T32-AG00037 (Gatto)**

Multidisciplinary Research Training in Gerontology/Ruth L. Kirschstein National Research Service Award, Pre-Doctoral Fellowship, USC

Completed dissertation research and training in field of epidemiology on the association between cardiovascular disease risk factors, atherosclerosis, the metabolic syndrome and cognitive function.

**PUBLIC HEALTH PRACTICE GRANTS**

**Private Donor and Alumnus to Loma Linda University**

**6/1/15**

To support the development of an afterschool child wellness program for elementary school children in San Bernardino, CA.

<b>First5 LA</b> Little Green Fingers Community Garden Collaborative \$2.5 million over 5 years to support the Little Green Fingers project which is constructing 8 community gardens throughout LA County, providing gardening and nutrition classes, and supporting the evaluation of the health of participating families.	May 2012- April 2017
<b>Keck Medical Center Foundation</b> Community Benefit Grant \$25,000 grant to support the construction of four school gardens for the LA Sprouts RCT study.	July 2013 - June 2014
<b>Keep America Beautiful</b> Keep America Beautiful Community Improvement Grant \$10,000 grant to support the infrastructure of the Milagro Allegro Community Garden.	9/1/09 – 8/30-10
<b>City of Los Angeles</b> Department of Public Works, Community Beautification Grant \$10,000 grant to support the infrastructure of the Milagro Allegro Community Garden.	2/1/10 – 11/30/10
<b>Annenberg Foundation</b> Metabolic Studio, a direct charitable activity of the Annenberg Foundation led by Artist and Foundation Director Lauren Bon Two grants: \$12,000 & \$50,000 to support the increased development, programming and enhanced infrastructure of the Milagro Allegro Community Garden.	6/15/10 – 7/15/11; 7/15/11-6/15/12
<b>Kaiser Foundation Hospital Los Angeles</b> Kaiser Permanente Community Benefit Grants #20610585 & #20626783 Two grants, \$4,000 & \$12,000 to support the LA Sprouts pilot and RCT study	2009-2010; 2012-2013
<b>Historic Highland Park Neighborhood Council</b> \$5500 grant to support education	2009
<b>Los Angeles City Council, First District</b> \$2000, start-up funds	2009