

Nicole M. Gatto

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EDUCATION

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

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

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

RESEARCH INTERESTS

Population-based studies of environmental, occupational, genetic, gene-environment interactions and lifestyle risk and protective factors for neurodegenerative diseases, specifically Parkinson's disease and dementias/ cognitive impairment; cardiovascular disease risk factors; Latino and low-income populations; educational interventions for childhood obesity

CERTIFICATIONS

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

Certified in Public Health, 2012, National Board of Public Health Examiners

SAS Base Programmer, 2012, SAS Institute

Geographic Information Science, 2006, University of Southern California

ACADEMIC APPOINTMENTS

Associate Professor, July 2016 – present

Director of PhD Program in Health Promotion Sciences, July 2018 -

Director of DrPH Program, July 2016 – June 2018

DrPH Practicum Preceptor, July 2016 – August 2019

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; Environmental and Occupational Health core public health courses to masters and doctoral students; and Emerging Chronic and Infectious Disease Epidemiology course for epidemiology and biostatistics majors
- Instructor for Advanced Public Health Practicum and Advanced Integrative Public Health Practicum for doctor of public health students (DrPH)
- Direct the DrPH program: 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 partnership with Riverside University Health System and other community partners
- Assist with CEPH accreditation including contributing to self study, final and interim reports, curriculum mapping and response to site visit team
- Assist with strategic planning for school and university

Associate Professor of Epidemiology, January 2013 – June 2016

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

Committee Chairperson, Doctoral Programs in Epidemiology, May 2014 - December 2015

School of Public Health, Loma Linda University

- Research risk and protective factors within the Adventist Health Study-2 cohort study
- Teach Environmental and Occupational Epidemiology course to masters and doctoral students
- Teach Doctoral Seminar in Epidemiology to doctoral students (DrPH and PhD)
- Direct the doctoral program: admissions decisions, curriculum development, write and grade doctoral comprehensive examinations, develop doctoral guidelines; University catalog changes, refinements to graduate programs
- Direct public health practice and service projects
- Assist with CEPH accreditation self-study

Assistant Researcher - Department of Epidemiology, UCLA

October 2010 – December 2012

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

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

August - December 2012

- Teach Introductory Epidemiology course to undergraduate, graduate and professional students of diverse backgrounds

Post-Doctoral Fellow in Environmental Neuroepidemiology - Department of Epidemiology, UCLA

January 2008 – October 2010

- Study environmental, occupational and genetic risk factors for Parkinson's disease using data from three large cohort studies
- Communicate findings in manuscripts and presentations
- Supervise PhD students and administrative staff

PROFESSIONAL EXPERIENCE

Health Researcher/Program Evaluator – Little Green Fingers Community Garden Collaborative

June 2012 – 2017

- Develop and lead a research study on the health impacts of participating in one of eight community gardens by families and their children aged 0-5 years
- Provide descriptive statistics on all garden members to First 5 biannually
- Manage small team of project assistants in data collection, management, entry and analysis
- Present results at conferences, forums, papers and reports

Epidemiologist - Acute Communicable Disease Control, Los Angeles County Department of Public Health
August 2011 – December 2012

- Lead and coordinate 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
- Participate in epidemiologic investigations of communicable disease outbreaks; draft control recommendations;
- Lead lab surveillance of influenza and other respiratory viruses with ten sentinel laboratories
- Build and manage relational disease surveillance databases using MS Access and Excel
- Prepare reports of epidemiologic investigations detailing study design, methods, data collection, environmental health factors and control recommendations; maintain electronic disease outbreak logs
- Review, monitor and summarize case reports, health statistics, demographic information and laboratory test results to identify possible disease trends

Senior Scientist/Consultant - ToxStrategies
June 2009 – December 2010

- Contribute technical expertise in area of environmental and occupational epidemiology and biostatistics for various projects
- Prepare written communications including technical reports, memos and manuscripts
- Develop, manage and coordinate project proposals including tasks, schedule, budget and deliverables

Senior Scientist/Consultant - Exponent
June 2003 – May 2009

- Contribute technical expertise in area of environmental and occupational epidemiology and biostatistics for various projects
- Review scientific literature to evaluate potential human health risk
- Prepare written communications including reports, technical memos and manuscripts

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

- Manage the California Health Interview Survey of complementary and alternative medicine study use among individuals with cancer and other chronic diseases
- Design and pilot test questionnaire
- Assist with IRB and OMB application submissions
- Contribute to research proposals, analyses and journal articles; develop study reports
- Act 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
July-September 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, University of California San Francisco and VA Medical Center
September 1998 – September 1999

- Perform MRI and spectroscopy studies for patients with neurological diseases and dementias
- Recruit and enroll study participants, obtain clinical information from collaborating centers
- Analyze, transfer and archive data using both commercial and custom software
- Process 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
June 1998 – September 1998

- Assist in compiling a pre-marketing approval submission to the FDA (Medical Devices)
- Write case summaries for patients who received a left-ventricular assistive device (LVAD)
- Manage and track patient files including case report forms, medical records, correspondence
- Database administration: data entry, management, and quality control

Clinical Coordinator - Multiple Sclerosis Genetic Susceptibility Project, Department of Neurology, UCSF
May 1995 – June 1998

- Recruit, screen and enroll eligible families; collect family history information; construct pedigrees, write clinical summaries for medical records, acquire and coordinate the acquisition of blood samples and lab results
- Maintain study database
- Coordinate collaboration with eighteen participating sites
- Design, publish and distribute newsletters, bulletins and brochures
- Generate reports for papers, meetings and conferences
- Ensure compliance of IRB and Human Subject's Committee; update protocol consent forms

Instructor - Testing for the Public

January 1997 – January 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

Neuropsychology Research Associate - UCSF/Mt. Zion Multiple Sclerosis Center, UCSF

February 1994 - May 1995

- Perform brief neuropsychological assessments; administer neuropsychological evaluations
- Design and maintain clinical database; extract data for papers and presentations

MENTORSHIP

<u>Dates</u>	<u>Student Name (Program)</u>	<u>Project</u>	<u>Role</u>
10/2019 -	Cecilia Rocha (MPH, Claremont Graduate University)	Independent research project	Mentor
10/2019 -	Niribili Sarmah (MPH, Claremont Graduate University)	Independent research project	Mentor
1/2020 -	Michael Espero (PhD, Health Education & Promotion, Claremont Graduate University)	Directed Research Project	Mentor
9/2019 -	Ann Nguyen (PhD, Clinical Psychology, Loma Linda University, School of Behavioral Health)	Dissertation Project	Member, Dissertation Committee
9/2019 – 12/2019	Samhita Kadiyala (undergraduate, Scripps College)	Independent research project	Mentor
6/2018 -	Pamela Ogata (PhD, Health Education & Promotion, Claremont Graduate University)	Dissertation Project	Member, Dissertation Committee
5/2018 – 9/2019	Brittany Lytle (DrPH, Claremont Graduate University)	Independent research project	Mentor

8/2016 – 5/2017	Wendy Mata Dominguez (MPH, Epidemiology & Biostatistics, USC)	Little Green Fingers	Preceptor, MPH practicum
1/2017 – 5/2017	Meena Adaikappan (MPH, Epidemiology & Biostatistics, Claremont Graduate University)	Pesticide Use and Brain Cancer Meta-Analysis	Mentor
9/2016 – 12/2016	Aileen Dinh (undergraduate student, Claremont McKenna College)	Food Establishment Characteristics, Health Behaviors and Health Outcomes in Urban Areas of the United States: A Systematic Review of the Literature	First Thesis Reader
1/2016 – 6/2016	Dennys Estevez (MPH, Health Education & Promotion, Loma Linda)	Efficacy of Employer-Based Smoking Cessation Programs: A Meta-Analysis	Co-Advisor, MPH project
6/2015 - 12/2015	Kristin Arthur (DrPH, Epidemiology, Loma Linda)	Effect of Parent Engagement on LA Sprouts Outcomes	Mentor
9/2014 – 6/2015	Nicole Alexander (MPH, Health Education & Promotion, Loma Linda)	Think Together: Whole Child Wellness Program pilot project	Preceptor, MPH practicum
9/2014 – 6/2015	Marian Ramzy (MPH, Epidemiology & Biostatistics, Loma Linda)	Air Pollution and Depressed Mood (EPDM 699A & B – Applied Research)	Mentor
1/2015 – 6/2015	Hassan Alalaq (PhD, Epidemiology, Loma Linda)	Pesticide Use and Adverse Health Outcomes (EPDM 694 – Research)	Mentor
1/2013 – 5/2015	Lauren Cook Martinez (PhD, Health Education & Promotion, USC)	Design and Methodology of the LA Sprouts nutrition, cooking and gardening program for Latino youth: a randomized controlled intervention	Co-Advisor, Research project
1/2015 – 5/2015	Morgan Keefe (MPH, Epidemiology & Biostatistics, USC)	Little Green Fingers	Preceptor, MPH practicum
1/2015 – 5/2015	Athena French (MPH, Epidemiology & Biostatistics, USC)	Little Green Fingers	Preceptor, MPH practicum
9/2014-12/2014	Monique Chavez (MPH, Health Education & Promotion, Loma Linda)	Think Together: Whole Child Wellness Program pilot project	Preceptor, MPH practicum
1/2014 – 6/2014	Markeith Pilot (MPH, Health Education & Promotion, Loma Linda)	NIS Hospitalization Study on Parkinson’s Disease Morbidity and In-Hospital Mortality	Co-Advisor, MPH project
9/2012 - 12/2012	Lilian Sie (MPH, Epidemiology & Biostatistics, UC Berkeley)	Hospitalizations Due to Hepatitis C in Los Angeles County, 2007-2009: Case Characteristics and Factors Associated with Mortality	Co-Advisor, MPH project

SERVICE

Interim Chair, IRB, Claremont Graduate University, 2020 –

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, 2018 – 2020

Member, Search Committee, School of Community and Global Health, Claremont Graduate University, 2018 – 2019

Member, University Grievance Committee, Claremont Graduate University, 2018

Member, Research Grievance Committee, Claremont Graduate University, 2019

Member, MPH/DrPH Curriculum Committee, School of Community and Global Health, Claremont Graduate University, 2016 –

Member, Diversity Committee, School of Community and Global Health, Claremont Graduate University, 2018 –

Member, CEPH Accreditation Self-Study Committee, School of Community and Global Health, Claremont Graduate University, 2016 – 2017

Member, MPH Program Community Advisory Committee, School of Community and Global Health, Claremont Graduate University, 2016 –

Member, MPH Program Steering Committee, School of Community and Global Health, Claremont Graduate University, 2016 –

Member, Board of Trustees Chairperson's Faculty Advisory Group, Claremont Graduate University, 2017 -

Chairperson, Doctoral Committee in Epidemiology, Department of 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

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 material for garden website; maintained website
- Designed print, electronic and other 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 (humanitarian organization), 2008 – 2013

Volunteer, Eagle Rock Farmer's Market, 2006-2010

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
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

Grant Reviewer

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

Johns Hopkins Graduate Summer Institute of Epidemiology and Biostatistics, 2018
Maximo Novel, Spanish language immersion course, Guatemala, 2019

ADVOCACY

Health Ambassador, Physicians for Social Responsibility Los Angeles, 2017-current
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 Scholar, 2019-2020 (Research and teaching award in Iceland January - April 2021)
Fulbright Specialist, 2017 (provided training in Epidemiology to public health professionals in Ulaanbaatar, Mongolia, August 2018)
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, Moderated Poster Session, 2005 American Heart Association Young Investigators Forum, Irvine, CA, September 30, 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: PC, Mac
Software: SAS, STATA; GIS; Microsoft Office including Word, Excel, Powerpoint, Microsoft Access
Languages: proficiency in French, Italian, Spanish
Master Gardener (University of California Cooperative Extension certified)
Phlebotomy

BIBLIOGRAPHY

Peer Reviewed

1. 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)
2. **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
3. **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
4. 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)
5. **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
6. 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.
7. **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
8. 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
9. 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.
10. **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.
11. **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
12. 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
13. 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
14. **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

15. **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.
16. 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
17. **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.
18. Thompson C, Haws L, Harris M, **Gatto NM**, Proctor D. Use of a Mode of Action and Human Relevance Framework for Identifying Research Objectives for Evaluating the Carcinogenic Potential of Ingested Hexavalent Chromium. *Toxicol Sci* 2011 Jan;119(1):20-40
19. Kenborg L, Lassen CF, Ritz B, Schernhammer ES, Hansen J, **Gatto NM**, Olsen JH. Outdoor work and risk for Parkinson disease: a population-based case-control study. *Occup Environ Med.* 2011 Apr;68(4):273-8.
20. Jacob E, **Gatto NM**, Thompson A, Bordelon Y, Ritz B. Occurrence of Depression and Anxiety prior to Parkinson's Disease. *Parkinsonism and Related Disorders* 2010 Nov;16(9):576-81.
21. Sanossian N, **Gatto NM**, Ovbiagele B. Subpar Utilization of Dental Care among Americans with a History of Stroke. *Journal of Stroke and Cerebrovascular Disease* 2011 May-Jun;20(3):255-9.
22. **Gatto NM**, Cockburn M, Bronstein J, Farrer M, Ritz B. The α -Synuclein Gene May Interact with Environmental Factors in Increasing Risk of Parkinson's Disease. *Neuroepidemiology.* 2010 Jul 24;35(3):191-195.
23. **Gatto NM**, Kelsh M, HaMai D, Suh M, Proctor DM. A Meta-Analysis of the Relationship between Occupational Exposure to Hexavalent Chromium and Cancers of the Gastrointestinal Tract. *Cancer Epidemiol.* 2010 Aug;34(4):388-99
24. Gatto NM, Cockburn M, Manthripragada A, Bronstein J, Ritz B. Well Water Consumption and Parkinson's Disease in Rural California. *Environmental Health Perspectives*, 2009 Dec;117(12):1912-8
25. Jyrala A, Gatto NM, Kay GL. Measured posterior annuloplasty for repair of non-ischemic mitral regurgitation. A single unit follow-up. *Interactive Cardiovascular and Thoracic Surgery*, 2010 Jan;10(1):81-5
26. St. John JA, Henderson VW, **Gatto NM**, McCleary CA, Spencer CA, Hodis HN, Mack WJ. Mildly Elevated TSH and Cognition in Middle-Aged and Older Adults. *Thyroid*, 19(2), 2009, 111-117.
27. Sanossian N, **Gatto NM**, Ovbiagele B. Patterns of Influenza Vaccination among Stroke Survivors. *Neuroepidemiology* 32:165-170, 2009
28. **Gatto NM**, Henderson VW, St. John J, McCleary C, Detrano R, Hodis H, Wack WJ. Subclinical Atherosclerosis is Weakly Associated with Lower Cognitive Function in Healthy Hyperhomocysteinemic Adults without Clinical Cardiovascular Disease. *Int J Geriatr Psychiatry.* 2009 Apr;24(4):390-9.
29. **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. *Aging, Neuropsychology and Cognition.* 2008; 5:627-41.
30. **Gatto NM**, Hodis H, Liu CR, Liu CH, Mack WJ. Correlations Between Brachial Artery Vasoreactivity and Anatomical Measures of Atherosclerosis. *Atherosclerosis.* 2007; 196:674-681.
31. **Gatto NM**, Longnecker MP, Press MF, Sullivan-Halley J, McKean-Cowdin R, Bernstein L. Serum Organochlorines and Breast Cancer: A Case-Control Study among African-American Women. *Cancer Causes and Control.* 2007; 18:29-39.
32. Proctor DM, **Gatto NM**, Allamneni KP. Mode of Action Framework for Evaluating the Relevance of Rodent Forestomach Tumors in Cancer Risk Assessment. *Toxicological Sciences* 2007; 98(2), 313-326.
33. Minaglia SM, Özel B, **Gatto NM**, Korst, L, Mishell DR, Miller DA. Decreased rate of obstetrical anal sphincter laceration is associated with change in obstetric practice. *Int Urogynecol J Pelvic Floor Dysfunct.* 2007 Dec;18(12):1399-404

34. Goldstein MS, Brown, ER, Ballard-Barbash R, Morgenstern H, Bastani R, Lee J, **Gatto N**, Ambs A. The use of complementary and alternative medicine among California adults with and without cancer. *Evid Based Complement Alternat Med*. 2005 Dec; 2(4):557-65.
35. Haines J, Terwedow H, Burgess K, Pericak-Vance MA, Rimler JB, Martin E, Oksenberg JR, Lincoln R, Zhang DY, Banatao DR, Goodkin DE, **Gatto N**, Hauser SL. Linkage of multiple sclerosis to the MHC is explained by association to HLA-DR2. *Human Molecular Genetics*, 7:1229-1234, 1998.
36. Goodkin DE, **Gatto N**, Rojas N, Lincoln R, Oksenberg JR, Hauser SL. The Multiple Sclerosis Genetics Group. Clinical Demographics of Multiplex Families with Multiple Sclerosis. *Annals of Neurology*, 1998; 43:530-534
37. Mohr DC, Goodkin DE, Likosky W, Beutler LE, **Gatto N**, Langan MK. Identification of Beck depression inventory items related to multiple sclerosis. *Journal of Behavioral Medicine*, Vol. 20, No. 4, 1997
38. Mohr DC, Goodkin DE, Likosky W, **Gatto N**, Baumann KA, Rudick RA. Treatment of Depression Improves Adherence to Interferon Beta-1b Therapy for Multiple Sclerosis. *Archives of Neurology* 1997; 54:531-533.
39. Mohr DC, Goodkin DE, **Gatto N**, Van Der Wende J. Depression, Coping, and Level of Neurological Impairment in Multiple Sclerosis. *Multiple Sclerosis* 1997: 3, 254-258.
40. Hauser SL, Goodkin DE, Lincoln R, Usuku K, Garcia-Merino A, **Gatto N**, Young S, Oksenberg JR & The Multiple Sclerosis Genetics Group. A complete genomic screen for multiple sclerosis underscores a role for the major histocompatibility complex. *Nature Genetics*, 13:469-471, 1996
41. Mohr DC, Goodkin DE, Likosky W, **Gatto N**, Neilley LK, Griffin C, Stiebling B. Therapeutic expectations of patients with multiple sclerosis upon initiating interferon beta 1-b: Relationship to adherence to treatment. *Multiple Sclerosis* 1996: 2, 222-226.

Peer Reviewed in press

Peer Reviewed submitted

1. 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*
2. Landry MJ, Khazaee E, Markowitz AK, Vandyousefi S, Ghaddar R, Pilles K, Asigbee F, **Gatto NM**, Davis JN. Food Security and Glycemic Control Among Low-Income Hispanic/Latino Children in Los Angeles, California. *Journal of Hunger and Nutrition*
3. Ghavidel F, Fadardi JS, Sedaghat F, Tabibi Z, **Gatto NM**. Effectiveness of a Working Memory Training for Older Women. *Cognitive Processing*
4. **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. *Aging and Mental Health*
5. **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. *Public Health Nutrition*

In preparation

1. **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
2. **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.
3. Jaceldo-Siegl K, **Gatto NM**, Beeson L, Fraser GE. Intake of soy isoflavones reduces breast cancer incidence among women in North America.
4. **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.

5. **Gatto NM**, Lytle B, Ogata P. A Meta-analysis of Farming and Brain Cancer: a 20-year Update of the Literature
6. Liu T, **Gatto NM**, Lee GJ, Wang C. Vegetarian diets modulate circulating miRNA expression in relation to longevity and healthspan

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

1. Barnes S, Chowdhury S, Garcia-Cano J, **Gatto NM**, Lee GJ. Blood-brain barrier integrity and cognitive function in a healthy aging population. ISMRM 28th Annual Meeting and Exhibition, Sydney, Australia, 18-23 April, 2020
2. 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.
3. 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.
4. 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.
5. 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
6. **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
7. 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
8. **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.
9. **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.
10. **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.
11. 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.

12. 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.
13. 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.
14. 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.
15. 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.
16. 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.
17. 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.
18. **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 141st Annual Meeting, Boston, November 5-7, 2013.
19. 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.
20. 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
21. 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
22. 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.
23. **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.
24. **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.
25. **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.
26. **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.
27. 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.
28. **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.
29. **Gatto NM**, Cockburn M, Bronstein J, Ritz B. Sunlight Exposure and Parkinson's Disease in California. World Parkinson Congress, Glasgow, Scotland, September 2010.
30. **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.

31. **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.
32. **Gatto NM**, Cockburn M, Bronstein J, Farrer M, Ritz B. α -Synuclein Repeat Polymorphisms and Pesticide Exposure in Parkinson's Disease. International Society of Environmental Epidemiology, Dublin, Ireland. August 2009.
33. **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.
34. 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
35. **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.
36. **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.
37. Sanossian N, **Gatto NM**, Ovbiagele B. Patterns of Influenza Vaccination among Stroke Survivors. American Academy of Neurology Annual Meeting, Chicago, IL April 2008.
38. 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.
39. **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.
40. **Gatto NM**, Alexander DD, Kelsh MA. A Meta-Analysis of Occupational Exposure to Hexavalent Chromium and Stomach Cancer. 19th Annual International Society of Environmental Epidemiology Conference. Mexico City, Mexico. September 5-9, 2007.
41. 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.
42. 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.
43. **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.
44. 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.
45. Jyrala A, **Gatto NM**, Kay GL. Prediction of Outcomes by Euroscore in Patients with Repaired Nonischemic Mitral Regurgitation. 16th World Congress of the World Society of Cardio-Thoracic Surgeons, Ottawa, Canada, August 17-20, 2006.
46. **Gatto NM**, Hodis H, Liu CR, Liu CH, Mack WJ. Correlations Between Brachial Artery Vasoreactivity and Anatomical Measures of Atherosclerosis. 46th 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.
47. 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.

48. **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 (moderated poster session)
49. Goldstein MS, Brown ER, Morgenstern H, Bastani R, Grant D, **Gatto N**, Ballard-Barbash R, Willis G, Amba 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 (oral and poster presentation)
50. 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 (poster presentation)
51. 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 (poster presentation).
52. 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.
53. 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.
54. 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 9th 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 36th Annual Conference, August 14-16, 2015, Denver, CO
7. Speaker, "Lifestyle as Neurotherapeutics" Symposium, American Society for Experimental NeuroTherapeutics (ASENT) 17th 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. School Gardens: Growing and eating ABCs (Asparagus, Broccoli, and Cauliflower). Practice Roundtable in ICAN: Infant, Child & Adolescent Nutrition
3. "LA Sprouts Program, Los Angeles"; short informational video produced by Gregory Mena and Tin H. Tran, December 4, 2012
4. "Scholars Circle" feature on my projects including LA Sprouts and Little Green Fingers; first aired on KPFF 90.7 FM Los Angeles, November 18, 2012 produced by Maria Armoudian
5. "Small Stuff" Kaiser Permanente 2012 Thrive Campaign television spot featuring Milagro Allegro Community Garden, first aired July 2012

6. "Focus on Food" pilot episode, aired on KPFK 90.7 FM Los Angeles, May 5, 2012 produced by Alan Minsky
7. "Parkinson's Alley" in the Sierra Club Magazine, Jan/Feb 2102.
8. "Pesticides in well water increase risk of Parkinson's disease" in Pesticide Action Network UK, December 2009 No. 86.
9. "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
10. "Exploring LA Neighborhoods – 1st Stop Highland Park" aired on KPCC 89.3FM Los Angeles, June 27, 2010 with Shirley Jahad
11. "Nobody's Business" a film by Alan Berliner, San Francisco International Film Festival, San Francisco, CA, May 1997

GRANTS

ACTIVE

Fletcher Jones Foundation

Claremont Graduate University (Intramural)

7/1/18-6/30/20

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.

2150280 GRASP (Barnes)

6/1/16-5/31/20

Loma Linda University- Research Affairs

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

COMPLETED

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.

2140309 GRASP (Gatto)

Loma Linda University- Research Affairs

02/01/15—10/15/18

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.

5U01CA152939 (Fraser)

9/26/11 – 8/31/16

National Cancer Institute

\$787,935

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

\$275,000

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
R03ES017139 (Ritz)**

10/01/09 – 9/30/11

\$154,000

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
Pilot Grant (Gatto)**

10/1/09 – 3/01/11

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 at USC to estimate UV radiation exposure using publicly available UV maps.

**UCLA Southern California Education and Research Center
NIOSH Pilot Grant (Gatto)**

10/1/10– 9/30/11

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
T32ES01545 (Gatto)**

10/1/08 – 09/30/10

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-T32-AG00037 (Gatto)**

5/1/05 – 12/1/07

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 \$50,000
To support the development of an afterschool child wellness program for elementary school children in San Bernardino, CA.

First5 LA May 2012- April 2017
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.

Keck Medical Center Foundation July 2013 - June 2014
Community Benefit Grant
\$25,000 grant to support the construction of four school gardens for the LA Sprouts RCT study.

Keep America Beautiful 9/1/09 – 8/30-10
Keep America Beautiful Community Improvement Grant
\$10,000 grant to support the infrastructure of the Milagro Allegro Community Garden.

City of Los Angeles 2/1/10 – 11/30/10
Department of Public Works, Community Beautification Grant
\$10,000 grant to support the infrastructure of the Milagro Allegro Community Garden.

Annenberg Foundation 6/15/10 – 7/15/11; 7/15/11-6/15/12
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.

Kaiser Foundation Hospital Los Angeles 2009-2010; 2012-2013
Kaiser Permanente Community Benefit Grants #20610585 & #20626783
Two grants, \$4,000 & \$12,000 to support the LA Sprouts pilot and RCT study

Historic Highland Park Neighborhood Council 2009
\$5500 grant to support education

Los Angeles City Council, First District 2009
\$2000, start-up funds