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## DRIVING CLINICAL RESEARCH WITH EXPERTISE & LEADERSHIP

Collaborative Epidemiologist with 14+ years of success defining methodologies and contributing substantive research and practice in academic, clinical, government, and private sector settings. Extensive theoretical and applied experience. Creative & strategic leader committed to leveraging science to address the unmet health needs of persons locally and globally.

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## RESEARCH EXPERTISE

- Diseases: Alzheimer's disease ▪ Parkinson's disease ▪ Cognitive Impairment ▪ Cardiovascular disease ▪ Cancers
- Exposures: Aging ▪ Behavioral ▪ Environmental ▪ Genetic ▪ Lifestyle ▪ Occupational ▪ Physiological ▪ Socioeconomic
- Methodologies: Observational ▪ Experimental ▪ Biostat Principles ▪ Biologic Theory ▪ Discovery ▪ Protocols ▪ Surveys
- Funding: NIH ▪ Foundations ▪ Hospital Systems ▪ Universities ▪ Neighborhood Councils ▪ Community Grants
- Communication Skills: Written ▪ Verbal ▪ Presentations ▪ Edits ▪ Proposals ▪ Collaborations ▪ Intercultural Relationships

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## EDUCATION

University of Southern California, Keck School of Medicine – Los Angeles, CA

**Ph.D. in Epidemiology**

UCLA Fielding School of Public Health – Los Angeles, CA

**M.P.H. in Community Health Sciences & Epidemiology**

University of California, Berkeley – Berkeley, CA

**B.A. in Biological Psychology**

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## PROFESSIONAL HIGHLIGHTS

KAISER PERMANENTE WASHINGTON HEALTH RESEARCH INSTITUTE – Seattle, WA

**Principal Collaborative Scientist, Adult Changes in Thought (ACT) Study** 2022 –

- Leadership – Co-Direct U19 Administrative Core of NIH-funded ACT Study, coordinating efforts across multi sites
- Collaborative Research – Advance science for prevention of Alzheimer's disease and related dementias
- Engagement – Serve as site PI for ACT ancillary studies & Seattle Alzheimer's Disease Brain Cell Atlas (SEA-AD) consortium
- Consensus – Organize and facilitate processes for committee approvals of ACT proposals & publications
- Administration – Manage efforts related to ACT governance, website, annual symposium, evaluation, speaker series

RESEARCH TRIANGLE INSTITUTE, INTERNATIONAL – Research Triangle Park, NC

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

- Strategic Research – Advance science of esophageal cancer, respiratory and cardiovascular diseases
- Applied Public Health – Write proposals to local & national public health & medical entities including CDC & NIH
- Development – Evaluate scientific evidence for drug, biologic and other therapeutic approaches for long Covid-19
- Quality Assurance – Review international studies of health effects from air pollution
- Consensus Builder – Lead communication science working group in multi-site opioid overdose reduction intervention

CLAREMONT GRADUATE UNIVERSITY | SCHOOL OF COMMUNITY & GLOBAL HEALTH – Claremont, CA 2016 – 2021

**Associate Professor | Director, Ph.D. Program, Health Promotion Sciences | Director, Doctor of Public Health Program**

- Research – Pivoted research to guide medical entities to identify factors contributing to Covid-19 survival.
- Outcomes – Produced actionable results on Covid vaccine hesitancy for the County by assuming project leadership.
- Scientific Oversight – Mentored 15+ graduate students to define, fund, and implement research.
- Methodologies – Chair of the University IRB. Created policy and protocols for conducting human subject research.
- Thought Leadership – Published systematic literature review of brain cancer and pesticide use.

LOMA LINDA UNIVERSITY | SCHOOL OF PUBLIC HEALTH – Loma Linda, CA 2012 – 2016

**Associate Professor of Epidemiology | Director of Ph.D. Program, Epidemiology**

- Research – Led the cognitive impairment and lifestyle study within the large-scale Adventist Health-2 Cohort.
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# Nicole M. Gatto, MPH, PhD

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- Supervisory – Provided oversight for the doctoral program from admissions, through curriculum, research, and exams.
- Guidance – Restructured the Ph.D. program to align with measurable milestones and CEPH guidelines.
- Academic – Developed and taught environmental and occupational epidemiology courses to graduate students.

LOS ANGELES COUNTY DEPT OF PUBLIC HEALTH, ACUTE COMMUNICABLE DISEASE CONTROL

2011 – 2012

## **Epidemiologist**

- Observational Studies – Built relational surveillance databases to investigate influenza and respiratory viruses.
- Data Presentation – Created and published easy-to-understand reports for scientific and non-scientific audiences.
- Leadership – Drafted new control regulations based on the epidemiologic study of a Legionella outbreaks.

UCLA, FIELDING SCHOOL OF PUBLIC HEALTH, DEPARTMENT OF EPIDEMIOLOGY

2010 – 2012

## **Assistant Researcher**

- Research – Led the first quantitative study of pesticides from private well water in Parkinson’s Disease.
- Project Management – Delivered projects on time and within budget guidelines.

TOXSTRATEGIES – Orange, CA

2009 – 2010

## **Senior Scientist, Human Health Risk Assessment**

- Project Management – Led simultaneous projects from budget and schedule through deliverables.

UCLA, DEPARTMENT OF EPIDEMIOLOGY – Los Angeles, CA

2008 – 2010

## **Post-Doctoral Fellow – Neuro-Epidemiology**

- Data Analysis – Researched the environmental, occupational, and genetic risks of Parkinson’s. Data from 3 studies.
- Supervised Ph.D. students and administrative staff to keep project deliverables on time and compliant with goals.

EXPONENT – Irvine, CA

2003 – 2009

## **Senior Scientist, Human Health Risk Assessment**

- Realized actionable research using environmental and occupational epidemiology and biostatistics.
- Created a published meta-analysis on occupational-acquired gastrointestinal cancers.

## **EARLY CAREER**

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UCLA, CENTER FOR HEALTH POLICY RESEARCH | Project Manager

2001 – 2003

LOS ANGELES COUNTY DEPARTMENT OF HEALTH SERVICES | Intern, HIV Epidemiology Unit

2002

UNIVERSITY OF CALIFORNIA SAN FRANCISCO VA MEDICAL CENTER | Research Associate, Department of Radiology

1998 – 1999

BAXTER HEALTHCARE CORPORATION, NOVACOR DIVISION FOR CARDIOVASCULAR RESEARCH | Clinical Research Assistant

1998

UNIVERSITY OF CALIFORNIA SAN FRANCISCO | Clinical Coordinator, Department of Neurology

1995 – 1998

## **TECHNICAL SKILLS & CERTIFICATIONS**

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Statistical Analysis: ANOVA ▪ SAS ▪ STATA ▪ R ▪ GPower ▪ Episheet ▪ GIS ▪ Qualtrics ▪ Tableau ▪ Large Databases

Presentation: Adobe Acrobat ▪ MS Word, Excel, Powerpoint, Access ▪ Wondershare Filmora ▪ Endnote

Certificate in Clinical Trials ▪ Medical Device and Drug Development

Certificate in Public Health ▪ National Board of Public Health Examiners

CITI Certifications: IRB Chair ▪ IRB Members ▪ Social & Behavioral Research ▪ Responsible Conduct of Research ▪

Institutional/Signatory Official: HSR ▪ Conflict of Interest ▪ Health Information Privacy & Security

## **RECENT PUBLICATION HIGHLIGHTS**

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Academic Paper Lead Author: 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

Academic Paper Lead Author: 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.

Academic Paper Senior Author: 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.