

# Ana María Mora, MD PhD

## CONTACT INFORMATION

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1995 University Avenue Suite 265  
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## ACADEMIC TRAINING

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**School of Medicine, University of Costa Rica**  
Bachelor, Medical Sciences

August 2004  
San Jose, Costa Rica

**School of Medicine, University of Costa Rica**  
MD, General Medicine

February 2005  
San Jose, Costa Rica

**School of Public Health, University of California at Berkeley**  
PhD, Epidemiology

May 2014  
Berkeley, California

**Manganese exposure, fetal growth, and neurodevelopment in infants living in agricultural communities in Costa Rica and California**

Brenda Eskenazi (chair), Donald R. Smith, Barbara Abrams, Sylvia Guendelman

**School of Public Health, Boston University**  
Postdoctoral fellowship

June 2014-January 2017  
Boston, Massachusetts

## PROFESSIONAL EXPERIENCE

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**General Physician**  
Primary Health Care Clinic of Palmares  
Social Security System of Costa Rica

January 2005-January 2006  
Palmares, Costa Rica

**Research Assistant**  
Central American Institute for Studies on Toxic Substances (IRET)  
Universidad Nacional, Costa Rica

February 2006-August 2008  
Heredia, Costa Rica

**Graduate Student Researcher**  
Center for Environmental Research and Children's Health (CERCH)  
School of Public Health, University of California at Berkeley

August 2008-July 2014  
Berkeley, California

**Associate Professor**

Central American Institute for Studies on Toxic Substances (IRET)  
Universidad Nacional, Costa Rica

August 2014-present  
Heredia, Costa Rica

**Assistant Researcher**

Center for Environmental Research and Children's Health (CERCH)  
School of Public Health, University of California at Berkeley

February 2017-present  
Berkeley, California

**SELECTED HONOURS**

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**AWARDS**

- Fulbright Faculty Development Program Award (award not accepted due to eligibility technicality, 2009)
- Non-Resident Tuition Award, University of California at Berkeley (2010)
- Russell M. Grossman Endowment Award, University of California at Berkeley (2012)
- Outstanding Graduate Student Instructor Award, University of California at Berkeley (2013)
- International Society for Environmental Epidemiology Travel Award (2007, 2011, 2012, 2014, 2015, 2016)
- Prenatal Programming and Toxicity (PPTox) In-Training and Early Career Travel Grant Award (2014)
- Rebecca James Baker Award, International Society for Environmental Epidemiology (2016)
- Collaborative on Health and the Environment (CHE) Pioneer Under 40 in Environmental Public Health (2017)

**SCHOLARSHIPS AND FELLOWSHIPS**

- Graduate Student Scholarship, Costa Rican Ministry of Science and Technology (2008-2010)
- University Scholarship, Universidad Nacional, Costa Rica (2009-2013)
- Jenny Pronczuk Fellowship, Icahn School of Medicine at Mount Sinai (2010-2012)

**TEACHING EXPERIENCE**

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**Teaching Assistant of An Applied Biostatistics Course**

Center for Interdisciplinary Research in Biology, Health, Society and Environment  
(CINBIOSE), University of Quebec in Montreal, Canada  
ECOSAD-Consortium for Health, Environment and Development, Peru

February-April 2008  
Lima, Peru

Preparation of presentations and guided discussions on basic concepts of biostatistics and their applications in environmental epidemiological research projects, such as the study titled "Ecohealth approach on the effectiveness of an intervention in workers handling solid waste and their families - Left Margin Rimac River in Lima, Peru 2007-2010".

**\* Guest Instructor on History of Epidemiology, Environmental Epidemiology**

School of Environmental Sciences, Universidad Nacional, Costa Rica

July 2008

Heredia, Costa Rica

Presented on history of epidemiology and basic concepts of disease transmission in a undergraduate level course on environmental epidemiology (1 class, 50 students).

**\* Guest Instructor on Epidemiologic Methods, Environmental Epidemiology**

School of Environmental Sciences, Universidad Nacional, Costa Rica

July-August 2009

Heredia, Costa Rica

Lectured and guided discussion on basic epidemiologic concepts and measures of effect in a undergraduate level course on environmental epidemiology (2 classes, 50 students).

**Graduate Student Instructor of Epidemiologic Methods II** August-December 2008  
School of Public Health, University of California at Berkeley Berkeley, California

Taught a discussion section for a graduate level course on intermediate epidemiologic methods. Conducted weekly two-hour sessions including review and clarification of topics from lecture, discussion of homework assignments, and development of group activities to reinforce concepts covered in lecture. Prepared and graded examinations.

**Graduate Student Instructor of Epidemiologic Methods I** August-December 2011  
School of Public Health, University of California at Berkeley August-December 2012  
Berkeley, California

Taught a discussion section for a graduate level course on basic epidemiologic methods. Conducted weekly two-hour sessions including review and clarification of topics from lecture, and discussion of homework assignments. Led weekly office hours to work with students on their homework assignments and answer their questions. Prepared and graded examinations. Awarded Outstanding Graduate Student Instructor Award in 2012.

**Thesis Supervisor at the Masters Program on Occupational Health** August 2014-present  
Central American Institute for Studies on Toxic Substances (IRET), Universidad Heredia, Costa Rica  
Nacional, Costa Rica

School of Occupational Safety Engineering and Environmental Hygiene (EISLHA),  
Technological Institute of Costa Rica

Supervision and assistance to graduate students in selecting their thesis topic, developing their research proposal, its implementation, and preparation of written dissertation (2 students per year).

**\* Guest Lecturer on Seminar for Masters' in Public Health Students** August-December 2015  
School of Public Health, University of California at Berkeley Berkeley, California

Supervision and assistance to graduate students in conducting their statistical analyses and preparation of written dissertation (2 classes, 30 students).

**Thesis Reader at the Masters Program on Epidemiology** March 2016-present  
Veterinary School, Universidad Nacional, Costa Rica Heredia, Costa Rica

Assistance to graduate students in selecting their thesis topic, developing their research proposal, its implementation, and preparation of written dissertation (1 student per year).

## MEMBERSHIPS

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- Costa Rican Medical Association (2005-present)
- International Society of Environmental Epidemiology (ISEE, 2008-present)
- International Society of Environmental Epidemiology Student and New Researchers Network Steering Committee (ISEE SNRN, 2008-2014)
- Childhood Leukemia International Consortium (CLIC, 2012-present)
- Society for Epidemiologic Research (SER, 2013-2014)
- International Society of Environmental Epidemiology Latin American Chapter Steering Committee (ISEE LAC, Chair, 2014-present)
- International Society of Environmental Epidemiology Executive Council (Counselor, 2017-present)

## PROFESSIONAL ACTIVITIES

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Member of the Editorial Board (2017-present)

- International Journal of Hygiene and Environmental Health

Journal peer reviewer (2014-present)

- British Journal of Cancer
- Environmental Health Perspectives
- Environmental Research
- Environmental Science and Pollution Research
- Journal of Translational Medicine
- Journal of Toxicology and Environmental Health
- Childhood Obesity
- Occupational and Environmental Medicine
- Neurotoxicology

## RESEARCH ACTIVITIES

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Pilot study: investigating the feasibility of a case-control study of Parkinson's disease in relation to pesticide exposure in Costa Rica (Steenland)

Role on Project: Fieldwork coordinator

Dates: January 2006-December 2007

Funding agency: Emory University

Description: This project aimed to determine the feasibility of detecting cases of Parkinson's disease or parkinsonism through home visits by Primary Care Technical Assistants (ATAPs) and the possibility to include screening items for PD or parkinsonism in the annual health examination of elderly persons aged 65 and over.

An ecosystem approach to pesticide exposure and children's health in communities living in the vicinity of banana plantations (van Wendel de Joode)

Role on Project: Fieldwork coordinator

Dates: January 2006-December 2009

Funding agency: International Development Research Centre

Description: This study aimed to examine the health effects in children and social consequences of pesticide exposure in communities located near banana plantations in Talamanca, Costa Rica.

Fatal accidents at work in Costa Rica, 2005-2006 (Wesseling)

Role on Project: Study coordinator

Dates: January 2006-December 2010

Funding agency: Swedish International Development Cooperation Agency

Description: The goals of this project were to identify the major sources of information on fatal occupational injuries (FOIs) in Costa Rica and describe the FOIs that happened in the country between 2005 and 2006.

PBDEs, DDT and Neurodevelopment in School-Aged Mexican-American Children (Eskenazi)

Role on Project: Graduate Student Researcher

Dates: August 2007-April 2011

Funding agency: US National Institute of Environmental Health Sciences

Description: This study aimed to examine the relationship of in utero and postnatal PBDE exposure, DDT exposure, and their potential interaction on neurodevelopment of school-aged children, as well as PBDE exposure on maternal and neonatal thyroid function.

A pilot screening study for prevalent neurodegenerative diseases in Costa Rica (Steenland)

Role on Project: Data analyst

Dates: January 2009-June 2011

Funding agency: Emory University

Description: This project assessed the feasibility of establishing a screening program for Parkinson's disease and Alzheimer's disease among the elderly through the primary health care system in Costa Rica, as a basis for treatment, research and prevention.

Infants' pre- and postnatal pesticide exposure and health in banana and plantain villages in Costa Rica: integrating risk identification with risk reduction (van Wendel de Joode)

Role on project: Interviewer and data analyst

Dates: January 2009-December 2013

Funding agency: Canadian Institutes of Health Research

Description: The goal of this project was to examine the health effects of in utero and postnatal pesticide exposure in the ISA birth cohort. The study examines exposure to multiple pesticides applied in banana plantations (e.g., mancozeb and chlorpyrifos) and potential health effects including fetal growth, cognitive functioning, and respiratory symptoms.

Center for Children's Environment Health Research (Eskenazi)

Role on project: Graduate Student Researcher

Dates: September 2009-July 2014

Funding agency: US National Institute of Environmental Health Sciences and Environmental Protection Agency

Description: The goal of this research was to examine the association between DDT, Mn, and PBDE exposure, neurodevelopment, and onset of puberty in boys aged 9 to 13 years in the CHAMACOS cohort.

Exposure to polyfluoroalkyl chemicals (PFCs) and child growth and neurodevelopment (Sagiv)

Role on project: Postdoctoral Fellow

Dates: August 2012-May 2017

Funding agency: US National Institute of Environmental Health Sciences

Description: The main objective of this study is to investigate the association of prenatal PFC exposure with growth and neurodevelopment in children and to explore disruptions in thyroid function as a potentially unifying mechanism for these effects.

Early-life infections, immune dysregulation and childhood leukemia in Costa Rica (Mora)

Role on project: Principal Investigator

Dates: August 2014-December 2017

Funding agency: Universidad Nacional, Costa Rica

Description: The goal of this research is to determine the relationships between risk of childhood leukemia and 1) surrogate markers of exposure to early infections (e.g., daycare attendance, birth order, family size, early life illnesses) and 2) measures of immune dysregulation (including parental recall of allergy and/or asthma and exposure to putative allergens).

Do prenatal and early life pesticide exposures impair children's health? (Lindh)

Role on project: Co-Investigator

Dates: January 2015-December 2018

Funding agency: FORMAS Swedish Research Council

Description: The main aim of this study is to examine whether prenatal and early childhood exposure to pesticides impair somatic growth and neurodevelopment in children aged 4 years.

Occupational exposure to pesticides and its health effects in workers of conventional and organic farms in the area Zarcero (Winkler & Mora)

Role on project: Co-Principal Investigator

Dates: February 2016-August 2017

Funding agency: Swiss Federal Institute of Aquatic Science and Technology (EAWAG) and Universidad Nacional, Costa Rica

Description: The overall aim of this research project is to examine whether occupational exposure to pesticide affects the health of workers from conventional and organic vegetable farms in Zarcero, Alajuela.

Environmental pesticide exposure and respiratory outcomes in women and children (van Wendel de Joode & Hoppin)

Role on project: Co-Investigator

Dates: February 2016-January 2019

Funding agency: US National Institute of Environmental Health Sciences

Description: This study evaluates the respiratory and allergic outcomes of environmental pesticide exposure among women and their children living in the banana growing region of Costa Rica.

Prenatal exposure to phthalates and neurodevelopment in children and adolescents (Sagiv)

Role on project: Assistant Researcher

Dates: July 2016-June 2018

Funding agency: US National Institute of Environmental Health Sciences

Description: This study aims to investigate the association of prenatal exposure to phthalates with cognitive and behavioral development in childhood and adolescence.

Environmental exposures, health effects, and institutional determinants of pesticide use in two tropical environments (Winkler)

Role on project: Co-Investigator

Dates: October 2016-September 2018

Funding Entity: Swiss Network for International Studies (SNIS)

Description: This project seeks to determine (i) the mismatches between the institutional determinants of pesticide use and the practice of pesticide applications on smallholder farms, (ii) human and environmental effects related to pesticide exposure, and (iii) changes in pesticide use practices and policies that are necessary to reduce human and environmental exposure to these chemicals.

Impact of environmental pesticide exposure on cancer incidence in Costa Rica: 1980-2014 (Santamaría)

Role on project: Co-Investigator

Dates: May 2017-June 2020

Funding Entity: University of Costa Rica

Description: This research aims to examine the association between environmental pesticide exposure and cancer incidence and survival in adults in Costa Rica.

## SELECTED CONTRIBUTIONS

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### PUBLICATIONS

#### Peer-reviewed manuscripts

1. **Mora AM**, Mora-Mora MG, Partanen T, Wesseling C. Registration of fatal occupational injuries in Costa Rica 2005-2006. *Int J Occup Environ Health*. 2011;17(3):243-50.

2. van Wendel de Joode B, Barraza D, Ruepert C, **Mora AM**, Córdoba L, Oberg M, Wesseling C, Mergler D, Lindh C. Indigenous children living nearby plantations with chlorpyrifos-treated bags have elevated 3,5,6-trichloro-2-pyridinol (TCPy) urinary concentrations. *Environ Res.* 2012;117:17-26.
3. Wesseling C, Román N, Páez L, García V, Quirós I, **Mora AM**, Juncos JL, Steenland KN. Parkinson's and Alzheimer's diseases in Costa Rica: a feasibility study toward a national screening program. *Glob Health Action.* 2013;27(6):23061.
4. **Mora AM**, van Wendel de Joode B, Mergler D, Córdoba L, Cano JC, Quesada R, Smith DR, Menezes-Filho JA, Lindh CH, Lund T, Bradman A, Eskenazi B. Blood and hair manganese concentrations in pregnant women from the Infants' Environmental Health Study (ISA) in Costa Rica. *Environ Sci Technol.* 2014;48:3467-76.
5. Steenland K, **Mora AM**, Barr DB, Juncos J, Roman N, Wesseling C. Organochlorine chemicals and neurodegeneration among elderly subjects in Costa Rica. *Environ Res.* 2014;134C:205-209.
6. van Wendel de Joode B, **Mora AM**, Córdoba L, Cano C, Quesada R, Faniband M, Wesseling C, Ruepert C, Öberg M, Eskenazi B, Mergler D, Lindh CH. Aerial Application of mancozeb is associated with elevated urinary ethylenethiourea (ETU) concentrations in pregnant women: the Infants' Environmental Health Study (ISA). *Environ Health Persp.* 2014;122(12):1321-8.
7. Gunier RB, **Mora AM**, Smith DR, Arora M, Austin C, Eskenazi B, Bradman A. Biomarkers of manganese exposure in pregnant women and children living in an agricultural community in California. *Environ Sci Technol.* 2014;48(24):14695-702.
8. **Mora AM**, van Wendel de Joode B, Mergler D, Córdoba L, Cano JC, Quesada R, Smith DR, Menezes JA, Eskenazi B. Maternal blood and hair manganese concentrations, fetal growth, and length of gestation in the ISA cohort in Costa Rica. *Environ Res.* 2015;136:47-56.
9. **Mora AM**, Arora M, Harley KG, Kogut K, Parra K, Hernández-Bonilla D, Gunier RB, Bradman A, Smith DR, Eskenazi B. Prenatal and postnatal manganese teeth levels and neurodevelopment at 7, 9, and 10.5 years in the CHAMACOS cohort. *Environ Int.* 2015;84:39-54.
10. Sagiv SK, Rifas-Shiman SL, Webster TF, **Mora AM**, Harris MH, Calafat AM, Ye X, Gillman MW, Oken E. Sociodemographic and perinatal predictors of early pregnancy per- and polyfluoroalkyl substance (PFAS) concentrations. *Environ Sci Technol.* 2015;49(19):11849-58.
11. Gaspar FW, Harley KG, Kogut K, Chevrier J, **Mora AM**, Sjödin A, Eskenazi B. Prenatal DDT and DDE Exposure and child IQ in the CHAMACOS cohort. *Environ Int.* 2015;85:206-212.
12. Gunier R, Arora M, Jerrett M, Bradman A, Harley KG, **Mora AM**, Kogut K, Hubbard A, Austin C, Holland N, Eskenazi B. Manganese in teeth and neurodevelopment in young Mexican-American children. *Environ Res.* 2015;142:688-95.
13. Marcotte E, Thomopoulo TP, Infante-Rivard C, Clavel J, Petridou ET, Schuz J, Ezzat S, Dockerty JD, Metayer C, Magnani C, Skalkidou A, Scheurer M, Wesseling C, **Mora AM**, Rashed WM, Francis SS, Ajrouche R, Orsi L, Mueller BA, Spector L. Cesarean delivery and risk of childhood leukemia: Findings from the Childhood Leukemia International Consortium (CLIC). *Lancet Haematol.* 2016;3(4):e176-85.
14. van Wendel de Joode B, Barbeau B, Bouchard M, **Mora AM**, Skytt A, Córdoba L, Quesada R, Lundh T, Lindh C, Mergler D. Manganese concentrations in drinking water from villages near banana plantations with aerial mancozeb spraying in Costa Rica: results from the Infant's Environmental Health Study (ISA). *Environ Poll.* 2016;215:247-57.
15. Metayer C, Petridou E, Roman E, Mejía Aranguré JM, Schüze J, Magnani C, **Mora AM**, Muellerh BA, Pombo-de-Oliveira MS, Dockerty JD, McCauley K, Lightfoot T, Hatzipantelis E, Rudant J, Flores-Lujano J, Kaatsch P, Miligi L, Wesseling C, Doodyh DR, Moschovi M, MIGICCL group, Orsi L, Mattioli S, Selvin S, Kang AY, Clavel J. Parental Tobacco Smoking and Acute Myeloid Leukemia in Children: the Childhood Leukemia International Consortium. *Am J Epidemiol.* 2016; 184(4):261-73.

16. van Wendel de Joode B, **Mora AM**, Lindh C, Hernández-Bonilla D, Córdoba L, Wesseling C, Hoppin JA, Mergler D. Pesticide exposure and neurodevelopment in children aged 6 to 9 years from Talamanca, Costa Rica. *Cortex*. 2016; 85:137-50.
17. **Mora AM**, Oken E, Rifas-Shiman SL, Calafat AM, Ye X, Webster TF, Gillman MW, Sagiv SK. Prenatal exposure to per- and polyfluoroalkyl substances and adiposity in early and mid-childhood. *Environ Health Persp*. 2017; 125:467-73.
18. Fleisch AF, Rifas-Shiman SL, **Mora AM**, Calafat AM, Ye X, Luttmann-Gibson H, Gillman MW, Sagiv SK. Early life exposure to perfluoroalkyl substances and childhood metabolic function. *Environ Health Perspect*. 2017; 125: 481-87.
19. Karalexi MA, Dessypris N, Thomopoulos TP, Ntouvelis E, Kantzanou M, Diamantaras AA, Moschovi M, Baka K, Hatzipantelis E, Kourti M, Polychronopoulou S, Stiakaki E, **Mora AM**, Wunsch-Filho V, Infante-Rivard C, Loutradis D, Petridou E. Parental alcohol consumption and risk of leukemia in the offspring: a meta-analysis. *Eur J Cancer Prev*. 2017; 26(5):433-441.
20. Harris MH, Rifas-Shiman SL, Calafat AM, Ye X, **Mora AM**, Webster TF, Gillman MW, Oken E, Sagiv SK. Predictors of Per- and Polyfluoroalkyl Substance (PFAS) Plasma Concentrations in 6-10 Year Old American Children. *Environ Sci Technol*. 2017; 51(9):5193-5204.
21. Rodriguez-Zamora MG, Medina-Escobar L, Mora G, Zock JP, van Wendel de Joode, **Mora AM**. Dust exposure in workers from grain storage facilities in Costa Rica. *Int J Hyg Environ Health*. 2017; 220(6):1039-1045.
22. Baker JM, Rojas-Valverde D, Gutiérrez R, Winkler M, Fuhrmann S, Eskenazi E, Reiss AL, **Mora AM**. Portable functional neuroimaging as an environmental epidemiology tool: A how-to guide for the use of fNIRS in field studies. *Environ Health Perspect*. 2017; 125(9):094502.
23. **Mora AM**, Fleisch AF, Rifas-Shiman SL, Baidal JW, Pardo L, Webster TF, Calafat AM, Ye X, Oken E, Sagiv SK. Early life exposure to per- and polyfluoroalkyl substances and mid-childhood lipid and liver enzyme levels. *Environ Int*. 2018; 111:1-13.
24. Orsi L, Magnani C, Petridou ET, Dockerty JD, Metayer C, Milne E, Bailey HD, Dessypris N, Kang AY, Wesseling C, Infante-Rivard C, Wunsch-Filho V, **Mora AM**, Spector LG, Clavel J. Living on a farm, contact with farm animals and pets, and childhood acute lymphoblastic Leukemia: pooled and meta-analyses from the Childhood Leukemia International Consortium (CLIC). *Cancer Med*. 2018; *in press*.
25. Hyland C, Gunier RB, Metayer C, Bates M, Wesseling C, **Mora AM**. Maternal Residential Pesticide Use and Risk of Childhood Leukemia in Costa Rica. *Int J Cancer*. 2018; *in press*.
26. **Mora AM**, Córdoba L, Cano C, Hernandez-Bonilla D, Pardo L, Schnaas L, Smith DR, Menezes-Filho JA, Mergler D, Lindh CH, Eskenazi B, van Wendel de Joode B. Prenatal mancozeb exposure, excess manganese, and neurodevelopment at one year of age in the Infants' Environmental Health (ISA) study. *Environ Health Perspect*. 2018; *in press*.
27. Eleni Th Petridou ET, Georgakis MK, Erdmann F, Ma X, Heck JE, Auvinen A, Mueller BA, Spector LG, Roman E, Metayer C, Magnani C, Pombo-de-Oliveira MS, Ezzat S, Scheurer ME, **Mora AM**, Dockerty JD, Hansen J, Kang AY, Wang R, Doody DR, Kane E, Rashed WM, Dessypris N, Schüz J, Infante-Rivard C, Skalkidou A. Advanced parental age as risk factor for childhood acute lymphoblastic leukemia: Results from studies of the Childhood Leukemia International Consortium. *Eur J Epidemiol*. 2018; *in press*.

#### PRESENTATIONS IN ACADEMIC CONFERENCES

1. **Mora AM**, Wesseling C. Fatal occupational accidents in Costa Rica. [Oral Presentation] II Health and Work Conference. La Habana, Cuba. March 2007.



2. **Mora AM**, Wesseling C, Steenland K. Feasibility for studying Parkinson disease in relation to pesticide exposure in Costa Rica. [*Poster Presentation*] XIX Conference of the International Society for Environmental Epidemiology. Mexico City, Mexico. September 2007.
3. van Wendel de Joode B, Barraza D, **Mora AM**, Gutiérrez M, Córdoba L, de la Cruz E. An ecosystem approach and children's health living in the vicinity of banana plantations. [*Poster Discussion*] XIX Conference of the International Society for Environmental Epidemiology. Mexico City, Mexico. September 2007.
4. **Mora AM**, Steenland K, Wesseling C. Feasibility for studying Parkinson disease in relation to pesticide exposure in Costa Rica. [*Oral Presentation*] XXIV International Conference of Neurotoxicology. San Antonio, Texas. November 2007.
5. **Mora AM**, del Valle L, Wesseling C. Registration of fatal accidents at work in Costa Rica. [*Oral Presentation*] XX International Conference on Epidemiology in Occupational Health. Heredia, Costa Rica. June 2008.
6. **Mora AM**, Steenland K, Wesseling C. Studying Parkinson disease in relation to pesticide exposure in Costa Rica. [*Poster Presentation*] X International Symposium on Neurobehavioral Methods and Effects in Environmental and Occupational Health. Heredia, Costa Rica. June 2008.
7. **Mora AM**, van Wendel B, Córdoba L, Cano JC, Quesada R, Lindh C, Menezes JA, Smith D, Wesseling C, Eskenazi B, Mergler D. Mancozeb and manganese exposure in Costa Rica: data from the birth cohort study 'Infantes y Salud Ambiental' (ISA). [*Oral Presentation*] XXIV Conference of the International Society for Environmental Epidemiology. Columbia, South Carolina. August 2012.
8. **Mora AM**, van Wendel B, Córdoba L, Cano JC, Quesada R, Lindh C, Menezes JA, Smith D, Wesseling C, Eskenazi B, Mergler D. Mancozeb and manganese exposure in Costa Rica: data from the birth cohort study 'Infantes y Salud Ambiental' (ISA). [*Poster Presentation*] XXII Annual Meeting of the International Society of Exposure Science. Seattle, Washington. October 2012.
9. **Mora AM**, van Wendel B, Córdoba L, Cano JC, Quesada R, Lindh C, Menezes JA, Smith D, Eskenazi B, Mergler D. Mancozeb and manganese exposure in Costa Rica: data from the birth cohort study 'Infantes y Salud Ambiental' (ISA). [*Poster Presentation*] University of California Berkeley School of Public Health Poster Session. Berkeley, California. December 2012.
10. **Mora AM**, van Wendel B, Lindh C, Menezes JA, Smith D. Exposición a mancozeb y manganeso en Costa Rica: datos del estudio 'Infantes y Salud Ambiental' (ISA). [*Oral Presentation*] II Latin American and the Caribbean Conference on Global Health. Santiago, Chile. January 2013.
11. Wesseling C, Román N, Páez L, García V, Quirós I, **Mora AM**, Juncos JL, Steenland K. Feasibility for screening for Parkinson's and Alzheimer's disease in Costa Rica. [*Poster Presentation*] XXV Conference of the International Society for Environmental Epidemiology. Basel, Switzerland. August 2013.
12. **Mora AM**, van Wendel de Joode B, Mergler D, Córdoba L, Cano JC, Quesada R, Smith DR, Menezes JA, Eskenazi B. Maternal blood and hair manganese concentrations, fetal growth, and length of gestation in the ISA cohort in Costa Rica. [*Poster Presentation*] XXVI Conference of the International Society for Environmental Epidemiology. Seattle, Washington. August 2014.
13. **Mora AM**, Arora M, Harley KG, Kogut K, Parra K, Bradman A, Smith DR, Eskenazi B. Prenatal and postnatal manganese exposure and neurodevelopment at 7, 9, and 10.5 years in the CHAMACOS cohort. [*Poster Presentation*] XXVI Conference of the International Society for Environmental Epidemiology. Seattle, Washington. August 2014.
14. **Mora AM**, van Wendel de Joode B, Mergler D, Córdoba L, Cano JC, Quesada R, Smith DR, Menezes JA, Eskenazi B. Maternal blood and hair manganese concentrations, fetal growth, and length of gestation in the ISA cohort in Costa Rica. [*Oral Presentation*] Universidad Nacional Academic Presentations. Heredia, Costa Rica. October 2014.
15. **Mora AM**, van Wendel de Joode B, Mergler D, Córdoba L, Cano JC, Quesada R, Hernandez-Bonilla D, Schnaas L, Smith DR, Menezes-Filho JA, Eskenazi B. Prenatal exposure to manganese and neurodevelopment at 12

months of age in the ISA study. [*Poster Presentation*] IV Prenatal Programming and Toxicity (PPTox) Conference. Boston, Massachusetts. October 2014.

16. **Mora AM**, Oken E, Rifas-Shiman SL, Calafat AM, Ye X, Webster TF, Gillman MW, Sagiv SK. Prenatal exposure to polyfluoroalkyl chemicals (PFCs) and childhood obesity in Project Viva. [*Poster Presentation*] IV Prenatal Programming and Toxicity (PPTox) Conference. Boston, Massachusetts. October 2014.
17. Marcotte E, Thomopoulos T, Clavel J, Dockerty J, Ezzat S, Francis SS, Infante-Rivard C, Magnani C, Metayer C, **Mora AM**, Mueller BA, Rashed WM, Scheurer M, Schuz J, Wesseling C, Skalkidou A, Petridou E, Spector L. Cesarean delivery and risk of childhood leukemia: Findings from the Childhood Leukemia International Consortium (CLIC). [*Poster Presentation*] American Association for Cancer Research (AACR) Annual Meeting. Philadelphia, Pennsylvania. April 2015.
18. Fleisch AF, Rifas-Shiman S, **Mora AM**, Gibson H, Gillman MW, Oken E, Sagiv SK. Prenatal Exposure to Per- and Polyfluoroalkyl Substances and Offspring Dysmetabolism. [*Poster Presentation*] Pediatric Academic Societies (PAS) Annual Meeting. San Diego, California. April 2015.
19. Harris MH, Oken E, Rifas-Shiman SL, Webster TF, White RF, **Mora AM**, Sagiv SK. Prenatal exposure to per- and polyfluoroalkyl substances and childhood executive function and behavior problems. [*Oral Presentation*] XXVII Conference of the International Society for Environmental Epidemiology. Sao Paulo, Brazil. August-September 2015.
20. **Mora AM**, van Wendel de Joode B, Mergler D, Córdoba L, Cano C, Quesada R, Hernandez-Bonilla D, Schnaas L, Smith DR, Menezes-Filho JA, Eskenazi B. Manganese exposure and neurodevelopment at 12 months of age in children living near banana plantations in Costa Rica. [*Oral Presentation*] XXVII Conference of the International Society for Environmental Epidemiology. Sao Paulo, Brazil. August-September 2015.
21. **Mora AM**, Lindh CH, Hoppin JA, van Wendel de Joode B. Prenatal exposure to pesticides and respiratory outcomes in infants from the Infants' Environmental Health study (ISA). [*Oral Presentation*] XXVII Conference of the International Society for Environmental Epidemiology. Sao Paulo, Brazil. August-September 2015.
22. Sagiv SK, Rifas-Shiman SL, Webster TF, **Mora AM**, Harris MH, Gillman MW, Oken E. Sociodemographic, physiologic and perinatal predictors of early pregnancy per- and polyfluoroalkyl substance (PFAS) levels in Project Viva, a US cohort. [*Poster Presentation*] XXVII Conference of the International Society for Environmental Epidemiology. Sao Paulo, Brazil. August-September 2015.
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