

Mònica Guxens

MD, MPH, PhD
ICREA Research Professor

EDUCATION

2008	PhD in Public Health and Biomedical Research Autonomous University of Barcelona, Spain
2007	Specialist in Preventive Medicine and Public Health Ministry of Education, Spain
2004	Master in Public Health Pompeu Fabra University, Spain
2002	Degree in Medicine Autonomous University of Barcelona, Spain

ABOUT ME

Date of birth	September 12 th , 1978
Nationality	Spanish
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ORCID	0000-0002-8624-0333
Researcher ID	T-2285-2018
Scopus ID	23034429400

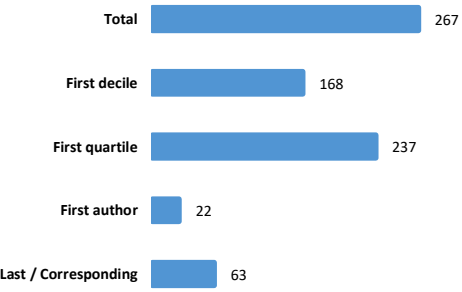
PROFESSIONAL EXPERIENCE

2024-present	ICREA Research Professor Barcelona Institute for Global Health, Spain
2014-present	Lecturer Pompeu Fabra University, Spain
2014-present	Adjunct Professor Erasmus MC University Medical Center, Netherlands
2023-2024	Research Professor Barcelona Institute for Global Health, Spain
2019-2023	Associate Research Professor Barcelona Institute for Global Health, Spain
2022	Visiting Scientist Harvard TH Chan School of Public Health, USA
2019-2020	Visiting Scientist Harvard TH Chan School of Public Health, USA
2014 – 2019	Assistant Research Professor Barcelona Institute for Global Health, Spain
2012 – 2014	Postdoctoral fellow Institute for Risk Assessment Sciences, Netherlands
2011	Postdoctoral fellow Erasmus MC University Medical Center, Netherlands
2008 – 2011	Postdoctoral fellow Center Research Environmental Epidemiology, Spain
2004 – 2008	PhD candidate Hospital del Mar, Barcelona, Spain
2007 – 2008	Research scientist Center Research Environmental Epidemiology, Spain
2003 – 2007	Resident in Preventive Medicine and Public Health Hospital del Mar, Spain
2000 – 2004	Research assistant Hospital del Mar, Spain

RESEARCH LINES

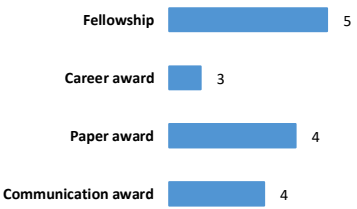
My research focusses on the role of **environmental factors**, mainly air pollution, noise, temperature, electromagnetic fields, light, and persistent and non-persistent chemicals, on children’s development, in particular on **brain development**. I have substantial expertise on **birth cohorts**. I am the **Director of the Spanish INMA Project**, a multi-site birth cohort. I am also a co-investigator of the Behavioral group of the Dutch Generation R Study and lead analysis with several international birth cohorts.

PUBLICATIONS

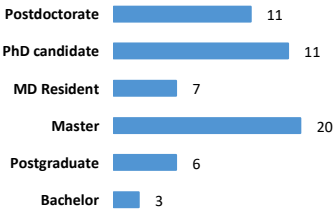


H-Index (Web of Science)	73
Number of citations	16,632
Number of citations (excluding self)	15,251

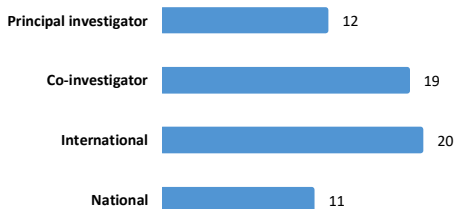
FELLOWSHIPS, AWARDS



MENTORING



PROJECTS



FELLOWSHIPS AND AWARDS

2024	Best communication award, I Scientific Meeting of the Spanish Consortium of Biomedical Research Guxens M et al. How the environment shapes children's health and development from conception until early adulthood: 20 years of collaborative research - the INMA Project – 1,000€ "ARISTOS Marie Skłodowska-Curie" fellowship for postdoctoral fellows – Pavla Brennan Kearns Spanish Consortium for Research on Epidemiology and Public Health & European Commission – 3 years – 178,000€
2022	"Juan de la Cierva-Incorporación" fellowship for postdoctoral fellows – Mònica López-Vicente Spanish State Research Agency – 3 years – 78,900€ BrainChild Lab recognized as consolidated research group by the Catalan Government 3 years – 60,000€
2021	"FPI-Severo Ochoa" fellowship for PhD candidates – Michelle S.W. Kusters Spanish State Research Agency – 4 years – 98,960€ Exchange travel fellowship for investigators – visiting stay at Harvard T.H. Chan School of Public Health Spanish Ministry of Science, Innovation, and Universities – 6 months – 20,700€
2019	"Miguel Servet II" fellowship for investigators, Spanish Ministry of Science, Innovation and Universities (Rank: 4/27) 3 years – 110,625€ Best communication award, XXXVII Scientific Meeting of the Spanish Society of Epidemiology Guxens M et al. Early-life urban exposome and cognitive and psychomotor function in children in 5 birth cohorts – 800€
2016	Walter A. Rosenblith New Investigator Award, Health Effects Institute, USA Air pollution, autism spectrum disorders, and brain imaging amongst children in Europe - APACHE project – \$449,826
2015	1st Prize for the best original paper published in 2014, Spanish Society of Epidemiology Guxens M et al. Air pollution during pregnancy and childhood cognitive and psychomotor development in 6 European birth cohort studies. <i>Epidemiology</i>. 2014;25(5):636-47 – 1,000€
2014	"Miguel Servet I" fellowship for investigators, Spanish Ministry of Economy and Competitiveness (Rank: 1/30) 5 years – 202,500€
2013	1st Prize for the best original paper published in 2012, Spanish Society of Epidemiology Morales E*, Guxens M*, et al. Circulating vitamin D levels in pregnancy and infant neuropsychological development: a prospective cohort study. <i>Pediatrics</i>. 2012;130(4):e913-20 *These authors contributed equally – 1,000€
2011	Exchange travel fellowship – postdoctoral stay at Erasmus MC University Medical Center, The Netherlands European Child Cohort Network, European Science Foundation – 4 months – 4,300€
2010	1st Prize for the best original paper published in 2009, Spanish Society of Epidemiology Guxens M et al. Cognitive function and overweight in preschool children. <i>Am J Epidemiol</i>. 2009;170(4):438-446 – 1,000€
2009	"Río Hortega" fellowship for post-resident physicians, Spanish Ministry of Economy and Competitiveness (Rank: 2/62) 3 years – 65,665€ Award for the best original paper published in 2008 in <i>Rev Esp Cardiol</i> Guxens M et al. Association of Paraoxonase1 and Paraoxonase2 polymorphisms on myocardial infarction risk. <i>Rev Esp Cardiol</i>. 2008;61(3):269-75 – 8,000€ 1st Prize for the best communication, XIII Congress of the Spanish Society of Public Health and Health Management Guxens M et al. ¿Can cognitive development at 4 years influence overweight 2 years after? – 1,500€
2005	Best communication award, XXIII Scientific Meeting of the Spanish Society of Epidemiology Guxens M et al. Asociación de la actividad de la enzima Paraoxonasa1 y su polimorfismo Paraoxonasa1-192 con el infarto de miocardio – 600€

COMMISSIONS OF TRUST AND REVIEWING ACTIVITIES

Leadership role

2018 – Present	Director , Spanish INMA Birth Cohort Project
2018 – Present	Co-Investigator , Behavioural group, Dutch Generation R Study
2014 – Present	Co-Principal Investigator , Sabadell sub-cohort, Spanish INMA Birth Cohort Project

Editorial work

2019 – Present	Associate Editor , <i>European Journal of Epidemiology</i>
2015 – Present	Editorial Board Member , <i>International Journal of Hygiene and Environmental Health</i>
2007 – Present	Peer-reviewer , more than 20 International Journals
2019 – 2023	Editorial Review Board Member , <i>Frontiers in Reproductive Health Journal</i>

Scientific evaluator

2019 – Present	External Reviewer Competitive Projects , State Research Agency, Spain
2023	External Reviewer Evaluation Professor position , Department of Epidemiology, Brown University, US
	External Reviewer Competitive Projects , Trinity College Dublin, Ireland
2019 – 2022	External Reviewer Competitive Projects , Health Department of Catalunya, Spain
2020	External Reviewer Competitive Projects , United States-Israel Binational Science Foundation
2019	External Reviewer Competitive Projects , Medical Faculty, Düsseldorf's Heinrich-Heine-University, Germany
2018	External Reviewer Competitive Projects , Medical Research Council, UK Research and Innovation
	External Reviewer Competitive Projects , King's Health Partner's Research and Development Challenge Fund, UK
2017 – 2018	External Reviewer Competitive Projects , Institute of Health Carlos III, Ministry of Economy and Competitiveness, Spain

Scientific committees

2022 – Present	Scientific Advisory Board Member , Helmholtz Centre for Environmental Research GmbH - UFZ, Germany
2022 – Present	Advisory Council Member , Health and Environment Observatory of Andalucía, Government of Andalucía, Spain
2021 – Present	Steering Committee Member , Consortium for Research on Epidemiology and Public Health, Spain
2020 – Present	Advisory Council Member , Cancer Screening of Catalunya, Catalan Health Department, Spain
2009 – Present	Committee Member , 24 External PhD Thesis Boards (20 in Spain, 1 in Belgium, 2 in the Netherlands, and 1 in Australia)
2022	Institutional and Scientific Boards Member , Childhood Obesity Plan, High Commission Fight against Child Poverty, Spain
2007 – 2010	Steering Committee Member , Spanish INMA Birth Cohort Project
2007 – 2009	Founder Member and President , Spanish Group of Young Epidemiologists
2006 – 2008	Councilor Member , Public Health Society of Catalonia and Balearic Islands
2006	Founder Member , Spanish Association of Resident Physicians of Preventive Medicine and Public Health

ORGANIZATION OF SCIENTIFIC MEETINGS

2024	Scientific Committee Member , 36 th Annual Conference International Society Environmental Epidemiology, Santiago, Chile
2022,2023	Scientific Committee Member , Scientific Meeting of Consortium for Research on Epidemiology and Public Health, Spain
2015,2020,2024	Chair, Scientific Committee , Scientific Meeting of the INMA Project, Spain
2017	Scientific Committee Member , XXXV Scientific Meeting of the Spanish Society of Epidemiology, Barcelona, Spain
2015	Scientific Committee Member , ISEE-Europe 2015 Young Research Conference, Utrecht, The Netherlands
2014	Scientific Committee Member , ISEE-Europe 2014 Young Research Conference, Barcelona, Spain
2009 – 2014	Scientific Committee Member , Scientific Meeting of the INMA Project, Spain
2008	Scientific Committee Member , XV Meeting Public Health Society of Catalonia and Balearic Islands, Barcelona, Spain
2005	Scientific Committee Member , III Meeting Preventive Medicine and Public Health Resident Physicians, Barcelona, Spain

MEMBERSHIP OF SCIENTIFIC SOCIETIES

2016 – Present	International Society of Environmental Epidemiology
	European Bioelectromagnetics Association
2004 – Present	Spanish Society of Epidemiology
2006 – 2009	International Epidemiology Association

INVITED SPEAKER

Keynotes

2025	"Air pollution exposure and brain development through childhood" , Health Effects Institute Annual Conference 2025, Austin, US
2024	"Environmental exposure and brain development: what do we know and future challenges" , Donostia Sustainability Forum, Spain
2023	"Air pollution and brain development" , Epidemiology and Public Health Program Annual Meeting, Hospital del Mar Medical Research Institute, Spain
	"Pollution and brain development" , Ciencia Contigo, Madrid, Spain

	"5G exposure, causal effects, and risk perception through citizen engagement – GOLIAT" , Scientific Meeting on Non-Ionizing Radiations, National Platform of Research on Radiological Protection, Madrid, Spain
2022	"Early-life environmental exposures and brain development" , XXXV Conference of Behavioral Therapy and Medicine in the Clinical Practice, Barcelona, Spain
	"Longitudinal study on radiofrequency electromagnetic fields and sleep in children" , Scientific Meeting on Radiofrequencies and Health by the Agency Food, Environmental, and Occupational Health & Safety, Paris, France
2019	"Early-life air pollution exposure, neuropsychological development, and neuroimaging in children" , RESPIRAMI 3 – Air pollution and our health, Milan, Italy
2016	"Neuropsychological effects of air pollution in early life" , MAPEC_LIFE Project Meeting, Brescia, Italy
2015	"Air pollution effects in early life" , Health Effects Institute's 2015 Annual Conference, Philadelphia, US
2013	"Radiofrequency electromagnetic fields and brain development: how can we improve our current knowledge?" , Scientific Meeting of the INMA Project 2013, Donostia, Spain

Invited lectures

2023	"Birth cohort studies: methodological challenges" , Cyprus University of Technology, Cyprus
	"Air pollution, chemical exposome, allostatic load, and brain development" , Helmholtz Centre for Environmental Research, Leipzig, Germany
2022	"Environmental exposures and neurodevelopment in children" , Health Canada, Canada
	"Radiofrequency electromagnetic fields and brain development" , Health and Environment Observatory of Andalucía, Spain
	"5G exposure, causal effects, and risk perception through stakeholder engagement" , C2M-Webinar, Télécom Paris, France
2021	"Environmental exposures, neurodevelopment, and brain imaging in children. Methodological challenges" , Brown University, US
2019	"Early-life air pollution exposure and child brain development" , National Institute of Environmental Health Sciences, US
	"Urban environmental exposures and brain development" , Erasmus MC University Medical Center, Rotterdam, The Netherlands
	"Air pollution exposure and brain development in children" , Health Effects Institute, Boston, US
2018	"Air pollution, neuropsychological development, and neuroimaging in children" , Catalan Institute for Oncology, Barcelona, Spain
2017	"Early life air pollution exposure and child brain development" , Helmholtz Centre for Environmental Research, Leipzig, Germany
	"Air pollution, radiofrequency electromagnetic fields, and neuropsychological development" , New York University School of Medicine, US
2013	"Air pollution during pregnancy and child cognitive and motor development" , Miguel Hernández University, Alicante, Spain

Symposium talks

2018	"Early life environmental exposures and brain structural alterations in childhood" , ISES-ISEE 2018 Joint Annual Meeting, Canada
	"Prenatal and postnatal traffic air pollution and white matter microstructure in school-age children" , XXXVI Scientific Meeting of the Spanish Society of Epidemiology, Lisbon, Portugal
2017	"Air pollution and cognitive, motor, and behaviour development" , XXXV Scientific Meeting of the Spanish Society of Epidemiology, Barcelona, Spain
2016	"Air pollution exposure during pregnancy and brain morphology in young children: a population-based prospective birth cohort study" , 28 th Annual Conference of the International Society of Environmental Epidemiology, Rome, Italy
	"Air pollution, environmental chemicals, and brain development" , II International Congress of Clinical and Health Psychological on Children and Adolescents, Barcelona, Spain
2010	"Exposure to environmental pollutants, child cognitive development, and behaviour problems" , XXVIII Scientific Meeting of the Spanish Society of Epidemiology, Valencia, Spain
2009	"Can the laugh improve the health of the population?" , XIII Conference of the Spanish Public Health Society and Health Administration, Sevilla, Spain

MENTORING

Committees

2021 – Present	Chair Training Program , Consortium for Research on Epidemiology and Public Health, Spain
2019 – Present	Chair Mentoring Program , ISGlobal, Spain
2018 – 2020	Co-coordinator, Mentoring Program , Spanish Society of Epidemiology
2015 – Present	Academic Council Member , Summer School of Public Health of Menorca, Spain
2014 – Present	Academic Council Member , Training Unit Preventive Medicine and Public Health residents, HMar-ASPB-UPF, Spain

Teaching

2023 – Present	Advanced epidemiology , Teacher, European Educational Programme in Epidemiology, Florence, Italy (18h)
2022 – Present	Environmental health , Primary instructor/Course coordinator, Medicine Bachelor degree, Pompeu Fabra University (3 ETCS)
2021 – Present	Epidemiology , Teacher, Medicine Bachelor degree, Pompeu Fabra University, Spain (18h)
2020 – Present	Statistics I , Primary instructor/ Course coordinator, Master of Public Health, Pompeu Fabra University, Spain (4.5 ETCS)
	Statistics , Primary instructor/Course coordinator, Online Postgraduate in Public Health, Pompeu Fabra University (3 ETCS)
2018	Causal inference and DAGs , Teacher, Master of Functional Recovery, Valencia University, Spain (0.5 ETCS)
2017	International Programme of Advanced Epidemiology and Statistics , Course coordinator, Summer School of Public Health of Menorca, Spain (40h)
2015 – 2020	Data analysis with STATA , Primary instructor/Course coordinator, Master of Public Health, Pompeu Fabra University (3 ETCS)
2007	Health promotion , Teacher, Roger de Llúria Healthcare Training School, Spain (30h)
	Anatomy and physiology , Primary instructor/Course coordinator, Roger de Llúria Healthcare Training School, Spain (30h)
2006	Psychological support to the patient , Teacher, Roger de Llúria Healthcare Training School, Spain (6h)

Student supervision

PhD Students	Radiofrequency electromagnetic fields exposure and brain development: a longitudinal approach – Matthew Stamets Pompeu Fabra University, Spain – Thesis defense expected 2027
	Sexually transmitted Infections in the era of pre-exposure prophylaxis for HIV prevention – Albert Dalmau-Bueno Pompeu Fabra University, Spain – Thesis defense expected 2026
	Temperature exposure, fetal growth, and neuropsychological development – Esmée Essers Pompeu Fabra University, Spain & Erasmus University, The Netherlands – Thesis defense expected 2025
	Air pollution and brain morphology and connectivity: a longitudinal approach – Michelle S.W. Kusters Pompeu Fabra University, Spain & Erasmus University, The Netherlands – Thesis defense expected 2025
	Air pollution and birth outcomes – Marcelle Cantó National Distance Education University, Spain – Thesis defense expected 2025
	Temperature exposure and children's brain development – Laura Granés Pompeu Fabra University, Spain – Thesis defense April 4 th 2025
	Outdoor exposure to residential noise, neurodevelopment, and sleep in children and preadolescents – Laura Pérez-Crespo Pompeu Fabra University, Spain – Thesis defense March 22 th 2023
	Syndemic approach to surveillance of sexually transmitted infections and tuberculosis – Alexis Sentís Pompeu Fabra University, Spain – Thesis defense February 6 th 2023
	Prenatal exposure to non-persistent chemicals and child neurodevelopment – Michiel van den Dries Erasmus University, The Netherlands – Thesis defense February 2 nd 2021
	Radiofrequency electromagnetic fields exposure, sleep, and neurodevelopment in preadolescents – Alba Cabré-Riera Pompeu Fabra University, Spain – Thesis defense November 20 th 2020
	Maternal iodine status, thyroid function during pregnancy and child neurodevelopment – Deborah Levie Erasmus University, The Netherlands – Thesis defense February 19 th 2020
	Air pollution exposure and child neuropsychological and neurobiological development – Malgorzata J. Lubczynska Pompeu Fabra University, Spain & Erasmus University, The Netherlands – Thesis defense February 18 th 2020
	Inclusive employment: Understanding employment for persons with mental disability in East Africa – Ikenna D. Ebuonyi Vrije Universiteit, The Netherlands & Univeristy of Barcelona, Spain – Thesis defense October 28 th 2019
	Pre- and postnatal exposure to radiofrequency electromagnetic fields and neurodevelopment in children – Laura E. Birks Pompeu Fabra University, Spain – Thesis defense December 3 rd 2018
	Environment and seasons in an aging population: an epidemiological approach – Magda Cepeda Erasmus University, The Netherlands – Thesis defense September 19 th 2018
Preventive Medicine and	Air pollution exposure and fine motor function in 8 European birth cohorts – Giovanni Oliva University of Pavia, Italy – July 2022-June 2023

Public Health Residents	Air pollution exposure and birth outcomes: exploring windows of susceptibility – Laura Granés Hospital Clínic of Barcelona, Spain – December 2020-February 2021
	Air pollution exposure and child attentional function at 7 years old: exploring windows of susceptibility – Elena Roel Hospital Clínic of Barcelona, Spain – June-September 2019
	Prenatal and postnatal residential noise exposure and child behaviour problems – Anna Saura Hospital Clínic of Barcelona, Spain – March-June 2019
	Maternal circulating vitamin D levels and cognitive and psychomotor development in children – Marta García-Diez Hospital Clínic of Barcelona, Spain – November 2018-February 2019
Master Students	Prenatal exposure to mixtures of chemicals and motor abilities – Eduard Freixa Basque Country University, Spain – Thesis defense September 30 th 2025
	Radiofrequency electromagnetic fields and sleep in young adults – Dorte Heideman Maastricht University, The Netherlands – Thesis defense August 31 st 2025
	Temperature exposure and gestational hypertension – Ximena Soledad Samaniego Pompeu Fabra University, Spain – Thesis defense November 30 th 2025
	Social determinants of allostatic load in childhood – Sergio Moreno Pompeu Fabra University, Spain – Thesis defense November 30 th 2025
	Urban exposome, fluid intelligence, and executive function from late childhood to adolescence – Carlotta Capurro Pompeu Fabra University, Spain – Thesis defense June 30 th 2025
	Association between air pollution exposure and executive function in children – Kellie Crooijmans Maastricht University, The Netherlands – Thesis defense August 31 st 2023
	Air pollution exposure, socioeconomic status, and parenting on neurodevelopment in children – Katie Hoekstra Maastricht University, The Netherlands – Thesis defense August 31 st 2023
	Ambient temperature exposure and sleep in children from two European birth cohorts – Nuria Castillo Maastricht University, The Netherlands – Thesis defense August 31 st 2023
	Air pollution and noise exposure and allostatic load score in children – Mark Ketelaars Leiden University, The Netherlands – Thesis defense July 29 th 2022
	Air pollution exposure and birth outcomes: exploring windows of susceptibility – Annika de van der Schueren Maastricht University, The Netherlands – Thesis defense August 31 st 2021
	Air pollution exposure, APOE e4 status, and brain structural morphology and connectivity – Esmée Essers Leiden University, The Netherlands – Thesis defense July 30 th 2021
	Air pollution exposure in different micro-environments and cognitive function in children – Alan Domínguez-Montoya Pompeu Fabra University, Spain – Thesis defense June 30 th 2021
	Outdoor noise exposure and emotional, aggressive, and ADHD symptoms in two birth cohorts – Esmée Essers Maastricht University, The Netherlands – Thesis defense July 31 st 2020
	Prevalence and incidence of mental health disorders in children in Catalunya – Michelle S.W. Kusters Maastricht University, The Netherlands – Thesis defense August 29 th 2019
	Residential noise exposure and sleep problems in children – Iris Vennis Maastricht University, The Netherlands – Thesis defense August 31 st 2018
	Prevalence and incidence of autism spectrum disorders in Catalunya – Laura Pérez-Crespo Pompeu Fabra University, Spain – Thesis defense June 27 th 2018
	Prenatal and postnatal air pollution exposure and child depression and anxiety – Ainhoa Jorcano Pompeu Fabra University, Spain – Thesis defense June 27 th 2018
Postgraduate Students	Occupational exposure to extremely low frequency magnetic fields and congenital anomalies – Daniel Cardozo Pompeu Fabra University, Spain – Thesis defense June 30 th 2017
	Prenatal air pollution exposure and child working memory and attentional function at 7 years old – Alba Cabré-Riera Pompeu Fabra University, Spain – Thesis defense June 28 th 2016
	Prenatal and postnatal air pollution exposure and child attentional function at 5 years old – Alexis Sentís Pompeu Fabra University, Spain – Thesis defense February 11 th 2016
	The pharmacy as a space to detect elderly people suffering from unwanted loneliness – Anna Nogueres Pompeu Fabra University, Spain – Thesis defence expected June 30 th 2024
	Added sugars and risk of depression: longitudinal study on young people between 18 and 26 years old – Marta Yuste Pompeu Fabra University, Spain – Thesis defence expected June 30 th 2024
	Air pollution exposure in adolescents from Barcelona – Eduard Roso Pompeu Fabra University, Spain – Thesis defence June 30 th 2023

	Endocrine disruptors: where are we and how we can reduce the levels in children – Laura Soler Pompeu Fabra University, Spain – Thesis defence June 30 th 2023
	Risk factors for illness progression in severe COVID cases – Laura Bordonado Pompeu Fabra University, Spain – Thesis defence June 30 th 2021
	Occupational extremely low frequency magnetic fields and birth outcomes: a literature review – María García Pompeu Fabra University, Spain – Thesis defence June 30 th 2016
Bachelor Students	Air pollution exposure and autism spectrum disorders: a systematic review – Laura Pérez-Crespo Pompeu Fabra University, Spain – Thesis defence June 26 th 2015

PROJECT GRANTS

Active support

2024 – 2027	Understanding how endocrine disruptors and chemical mixtures target the immune system – ENDOMIX (101136566) Horizon Europe, European Commission – 6,961,180€ (48,718€ to my group) Co-investigator (PI: Ana Zenclussen, Helmholtz Centre for Environmental Research – UFZ, Germany)
2022 – 2027	5G exposure, causal effects, and risk perception through citizen engagement – GOLIAT (101057262) Horizon Europe, European Commission – 10,600,632€ (1,246,334€ to my group) Coordinator
2021 – 2025	Exposure to light pollution and heat and neurodevelopment in adolescents – ELHNA (PI20/01695) Institute of Health Carlos III, Spain – 99,553€ (99,553€ to my group) Principal investigator
2020 – 2025	Advancing tools for human early lifecourse exposome research and translation – ATHLETE (874583) Horizon2020, European Commission – 11,998,334€ (241,242€ to my group) Tasks leader (PI: Martine Vrijheid, ISGlobal, Spain)
2019 – 2025	Characterisation of uses and real and cumulative exposure to radiofrequency electromagnetic fields from mobile communicating devices – including new technologies – in children of different ages – EXPO-ENFANTS (EST-19 RF-04) Agency Food, Environmental, and Occupational Health & Safety (ANSES), France – 399,983€ (176,748€ to my group) Principal investigator Light at night exposure and sleep quality – Lilli (EST-2019-108) Agency Food, Environmental, and Occupational Health & Safety, France – 199,990€ (39,955€ to my group) Co-investigator (PI: Anke Huss, Institute for Risk Assessment Sciences, The Netherlands)

Past suport

2019 – 2024	The role of stress and stress reactivity in mediating impacts of air pollutants on the brain and lungs (810631) Health Canada – \$1,100,000CDN (\$0CDN to my group) Co-investigator (PI: Errol Thomson, Health Canada) Fine particle matter, fetal growth, and neurodevelopment: examining critical windows of susceptibility (12578559) NIH/NIEHS Outstanding New Environmental Scientist Award, US – \$1,289,881 (\$167,093 to my group) Co-investigator (PI: Kristina Withworth, Baylor College of Medicine, US) A federated FAIR platform enabling large-scale analysis of highvalue cohort data connecting Europe and Canada in personalized health – EUCAN-Connect (824989) Horizon2020, European Commission – 5,999,704€ (80,000€ to my group) Task leader (PI: Morris Swertz, University of Groningen, The Netherlands)
2018 – 2024	Radiofrequency electromagnetic fields, other environmental factors, and development of the embryo and fetus – EMBRYORAD (EST-18 RF-25) Agency Food, Environmental, and Occupational Health & Safety (ANSES), France – 332,800€ (164,652€ to my group) Principal investigator
2020 – 2022	Air pollution and birth outcomes: windows of exposure and impact assessment – APBO (ESP20PI01/2020) Consortium for Research on Epidemiology and Public Health, Spain – 50,000€ (29,115€ to my group) Principal investigator
2018 – 2022	Environmental factors and health: from the fetal life to the adolescence – INMA-ADO (PI17/01340) Institute of Health Carlos III, Spain – 327,607€ (77,250€ to my group) Principal investigator
2017 – 2022	Early-life stressors and LifeCycle health – LifeCycle (733206) Horizon2020, European Commission – 9,957,602€ (96,000€ to my group) Co-investigator (PI: Vincent Jaddoe, Erasmus MC University Medical Center, The Netherlands)
2017 – 2020	Air Pollution, autism spectrum disorders, and brain imaging amongst children in Europe – APACHE (R.82811201) Health Effects Institute (HEI), USA – \$449,826 (\$449,826 to my group) Principal investigator

2016 – 2020	Longitudinal exposure to radiofrequency electromagnetic fields and sleep problems in children – ELFES (EST-16 RF-21) Agency Food, Environmental, and Occupational Health & Safety (ANSES), France – 199,561€ (155,373€ to my group) Principal investigator
2015 – 2019	Environmental exposures during pregnancy and the health in the late adolescence – AMICS-INMA-18y (PI14/00677) Institute of Health Carlos III, Spain – 38,115€ (38,115€ to my group) Principal investigator
2015 – 2018	Elimination of iodine deficiency and preventable thyroid-related diseases in Europe – EUthyroid (634453) Horizon2020, European Commission – 2,999,949€ (89,608€ to my group) Co-investigator (PI: Henry Völzke, University Medicine Greifswald, Germany)
2014 – 2018	Generalized Electromagnetic fields Research using Novel Methods – GERoNiMO (603794) 7 th Framework Program, European Commission – 7,876,485€ (365,985€ to my group) Co-investigator (PI: Elisabeth Cardis, ISGlobal, Spain)
2014 – 2017	Radiofrequency electromagnetic fields and brain development – REMBRANDT (CP13/00054) Spanish Ministry of Economy and Competitiveness – 121,500€ (121,500€ to my group) Principal investigator
2014 – 2015	Radiofrequency electromagnetic fields exposure assessment in children in Generation R – RF-GenR (85500036) The Netherlands Organisation for Health Research and Development (ZonMw) – 10,000€ (10,000€ to my group) Principal investigator
2011 – 2016	Brain development and air pollution ultrafine particles in school children – BREATHE (268479) European Research Council Advanced grant, European Commission – 2,499,230€ (0€ to my group) Co-investigator (PI: Jordi Sunyer, Center for Research on Environmental Epidemiology, Spain)
2011 – 2013	Determinants of childhood obesity: role of prenatal and early life environmental and social factors (2010ACUP 00349) Recercaixa, Spain – 74,171€ (0€ to my group) Co-investigator (PI: Martine Vrijheid, Center for Research on Environmental Epidemiology I, Spain)
2010 – 2013	Developing a child cohort strategy for Europe – CHICOS (241604) 7 th Framework Program, European Commission – 1,490,124€ (0€ to my group) Co-investigator (PI: Martine Vrijheid, ISGlobal, Spain)
2010 – 2012	Role of pre- and postnatal environmental exposures on the health of the adolescent – INMA-RE-14y (PS09/00362) Institute of Health Carlos III, Spain – 68,365€ (0€ to my group) Co-investigator (PI: Martine Vrijheid, Center for Research on Environmental Epidemiology, Spain)
	Gene-environment interaction on attention deficit and hyperactivity disorders and autism spectrum disorder in general population birth cohorts (090430) La Marató de TV3 Foundation, Spain – 189,637€ (0€ to my group) Co-investigator (PI: Jordi Sunyer, Center for Research on Environmental Epidemiology, Spain)
2010 – 2011	Pilot study to evaluate bisphenol A urine levels and determinants in pregnant women and children CREAL Internal Projects, Spain – 30,000€ (0€ to my group) Co-investigator (PI: Martine Vrijheid, Center for Research on Environmental Epidemiology, Spain)
2009 – 2011	Evaluation of environmental health data in European birth cohorts – ENRIECO (226285) 7 th Framework Program, European Commission – 919,424€ (0€ to my group) Co-investigator (PI: Mark Nieuwenhuijsen, ISGlobal, Spain)
	Pre- and postnatal exposure to air pollution and respiratory function and neuropsychological development (PI08/1151) Institute of Health Carlos III, Spain – 278,905 (0€ to my group) Co-investigator (PI: Jordi Sunyer, Center for Research on Environmental Epidemiology, Spain)
2009 – 2010	Thyroid hormones, iode, reproductives effects, and neuropsychological development in INMA at 14 months of age Consortium for Research on Epidemiology and Public Health, Spain – 4,000€ (4,000€ to my group) Principal investigator
2008 – 2012	European study of cohorts for air pollution effects – ESCAPE (211250) 7 th Framework Program, European Commission – 919,424€ (0€ to my group) Co-investigator (PI: Bert Brunekreef, Utrecht University, The Netherlands)

CONSORTIA

2017 – Present	Thyroid and Pregnancy Consortium Coordinator: Tim I.M. Korevaar, Erasmus MC University, The Netherlands
2017 – Present	Pregnancy and Childhood Epigenetics (PACE) Consortium Coordinator: Stephanie London, National Institute of Environmental Health Sciences, USA
2011 – Present	Early growth genetics (EGG) Consortium Coordinator: Mark McCarthy, Oxford Centre for Diabetes, Endocrinology, and Metabolism, United Kingdom
	Early genetics and lifecourse epidemiology (EAGLE) Consortium Coordinator: Vincent Jaddoe, Erasmus MC University Medical Centre, The Netherlands

2007 – Present	Spanish Consortium for Research on Epidemiology and Public Health Coordinator: Fernando Rodríguez Artalejo, Autonomous University of Madrid, Spain
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LANGUAGES

Catalan | Mother tongue – 1996, Level C in Catalan, General Direction of Linguistics Policy, Generalitat de Catalunya

Spanish	Native speaker
English	Advanced level – 2006, First Certificate in English, University of Cambridge
French	Advanced level – 1993, Diplôme National du Brevet, Ministère de l'Éducation Nationale de France 1996, Diplôme National du Baccalauréat Général, Ministère de l'Éducation Nationale de France
Dutch	Elementary level