

19th INMA-Infancia y Medio Ambiente (Environment and Childhood project) Scientific Conferences 2024


Title: "New image, same essence"

Scientific Program

Face to face (+Streaming) in Barcelona

Link streaming (full day): <https://meet.goto.com/674528989>

Day	Time	Session Type Room	Activity
11/6/2024	10h-11h	<u>Room</u> : Ramón y Cajal	Registry
	11h-11:10h	Plenary Session <u>Room</u> : Ramón y Cajal	Welcome - Quique Bassat. Director General of the Barcelona Institute for Global Health (ISGlobal) - Jordi Alonso. Deputy Scientific Director of the Spanish Consortium for Research on Epidemiology and Public Health (CIBERESP) - Mònica Guxens. Director of the INMA Project
	11:10h-12:10h	Plenary Session <u>Room</u> : Ramón y Cajal	Opening Keynote: Population-based longitudinal curves of lung function over the full life course. Empirical estimation of lung growth and decline, breakpoints and plateaus. Judith Garcia-Aymerich <i>Research Professor and Head of the Environment and Health over the Lifecourse Programme, ISGlobal</i> Moderator: Maties Torrent
	12:10h-14h	Results Session <u>Room</u> : Ramón y Cajal	Topic: Urban environment & neuropsychological function, stress, and lung function Moderator: Lúcia González - Susceptible Windows of Exposure to Outdoor Air Pollution and Lung function among children in the INMA cohort. Alan Domínguez - Exposure to Residential Air Pollution and the Development of Functional Brain Connectivity Throughout Adolescence. Michelle S. W. Kusters - NO2, Attention and Working Memory: Periods of Susceptibility from Pregnancy to Childhood. Anne-Claire Binter - Exposure to Air Pollution, Road Traffic Noise and Allostatic Load Score in Children. Michelle S. W. Kusters - Environmental noise exposure effect on cortisol levels in children from seven European birth cohorts: preliminary results. Ane Arregi - Residential greenness and working memory during childhood. A LifeCycle study. Mikel Subiza-Pérez - Exploring the pathways linking prenatal and early childhood greenness exposure to attention-deficit/hyperactivity disorder symptoms during childhood: childhood: Evidence from the INMA prospective birth cohort. Leire Luque-García - Medium-Term Ambient Temperature Exposure and Internalizing, Externalizing, and Attention Problems in Two European Birth Cohorts. Esmée Essers Questions
	14h-15h	Lunch <u>Room</u> : Inner square PRBB	

Day	Time	Session Type Room	Activity
	15h-16:30h	Results Session <u>Room:</u> Ramón y Cajal	<p>Topic: Other exposures & neuropsychological function Moderator: Mikel Subiza</p> <ul style="list-style-type: none"> - Prenatal exposure to mixtures of chemicals and cognitive and fine motor abilities in offspring. Pavla Brennan Kearns - Integrated Insights into Neurodevelopmental Effects of Trimethylamine N-Oxide (TMAO) and Trimethylamine (TMA): A Multi-Cohort Study Combining Epidemiology and Toxicology. Léa Maitre - Influence of prenatal neurotoxic metals, breastfeeding and quality of family context on socio-emotional development in early childhood. Patricia Macia Guerrero - Presence of pets at 1 and 4-5 years of age and child's mental health at 7-8 years of age. Llúcia González Safont <p>Questions Topic: Exposures Moderator: Alba Jimeno</p> <ul style="list-style-type: none"> - Trends of PFAS exposure levels in during childhood and associated factors. Amaia Irizar - Characterization of human exposure to tire rubber additives and their transformation products. Insights from TRANSIT and CIRCULATE projects. Mercè Garí - Anemia enhancement of cobalt exposure in children and pregnant women. Joan O. Grimalt <p>Questions</p>
	16:30h-16:45h	Break	
	16:45-18h	Coffee Break + Posters Session <u>Room:</u> Ramón y Cajal	<p>Topic: Environmental exposures and Nutrition Moderator: Sarah Warkentin</p> <ul style="list-style-type: none"> - Effects of prenatal metal exposure on working memory during childhood and adolescence. Simona Porru - Neighbourhood characteristics, social support and adolescent psychological well-being. Blanca Piera Pi-Sunyer - Prenatal endocrine disrupter exposure and age at menarche : INMA-Valencia Cohort. Oihane Alvarez - Influence of exposure to endocrine disruptors and other environmental chemicals on breast development in girls: A systematic review of human studies. Alicia Olivas-Martinez - Consumption of ultra-processed foods at 4 years old is associated with high incidence of abdominal obesity at 8 years old. Sandra González-Palacios - Factors associated with low adherence to the Mediterranean diet in pregnant women and children aged 4 and 8 years old. Sandra González-Palacios - Sociodemographic, lifestyle, and environmental determinants of vitamin D levels in pregnant women in Spain. Paula Sol Ventura - Pro-vegetarian dietary patterns and essential and heavy metal exposure in children of 4-5-years from the INMA cohort study. Alejandro Oncina Cánovas - Validation of ExpoApp Physical Activity. Maria Llopis - Risk and protective factors in BDNF levels: a longitudinal perspective. Nerea Lertxundi - Serum concentrations of organochlorine compounds in 8 year-old children from INMA-Astúrias birth cohort. Carolina M. Bustamante - Analytical developments for the study of organophosphate pesticides, pyrethroid, fungicides and neonicotinoids in urine. Natalia Bravo - Urinary concentrations of pesticide metabolites in pregnant women from La Garrotxa. Paula Ruiz
	18h	End of the 1 st . day	
	18:15h-19:30h	Closed meeting <u>Room:</u> Sala Rita Levi	INMA Direction Committee meeting
	20:00h	Dinner (only if you have registered)	

Face to face (+Streaming) in Barcelona

 Link streaming (full day): <https://meet.goto.com/674528989>

Day	Time	Session Type Room	Activity
12/6/2024	9:00h-10:30h	Results Session <u>Room:</u> Ramón y Cajal	Topic: Omics Moderator: Amaia Irizar <ul style="list-style-type: none"> - Gestational age and genome-wide placental DNA methylation – a PACE meta-analysis. Sofía Aguilar-Lacasaña & Alexandra Binder - A meta-analysis of epigenome-wide association study of ultra-processed food consumption with DNA methylation in European children. Joana Llauradó-Pont / Camille Lassale - Evaluating the association between DNAm in the placenta and emotional and behavioral problems in the offspring. Marta Cosin Tomas - Methylation quantitative trait loci mapping in more than 2,500 placentas provides insight into human complex disease. Ariadna Cilleros-Portet - Associations between infant gut microbiota composition and biological activity, and its early life determinants. Pol Jimenez-Arenas - Prenatal and perinatal determinants of the diversity and composition of gut microbiota in adolescence. Raul Beneyto - Gut microbiome in 15 year olds: α-diversity from shotgun sequencing and its relationship with mercury. Jorge Vallejo-Ortega Questions
	10:30h-11:00h	Coffee Break <u>Room:</u> Inner square PRBB	
	11:00h-12:30h	Results Session <u>Room:</u> Ramón y Cajal	Topic: Obesity, cardiovascular, puberty, thyroid function, and infections Moderator: Marieta Fernández <ul style="list-style-type: none"> - Deficits in gestational weight gain and increases of internal dose of organohalogen compounds in children. Joan O. Grimalt - Determinants of childhood excess weight. INMA Gipuzkoa Cohort Analysis. Alicia Diego Jiménez - Prenatal exposure to organochlorine chemicals and pubertal development in the INMA cohort. German Cano-Sancho - Association between prenatal exposure to PFAS and pubertal development in girls and boys. Sara López de Calle - Prenatal exposure to arsenic and thyroid function. Sabrina Llop - Association between exposure to mercury and cardiometabolic risks in adolescence. Raquel Soler-Blasco - Vitamin-D and pathogen specific IgG responses among pregnant women in Europe. Paula Llabrés Pizà Questions
	12:30h-13:30h	Plenary Session <u>Room:</u> Ramón y Cajal	Closing keynote: Time and Timing in Population Neuroscience Studies . Henning Tiemeier <i>Professor of Social and Behavioral Sciences and Sumner and Esther Feldberg, Chair of Maternal and Child Health, Harvard T.H. Chan School of Public Health.</i> Moderator: Mònica Guxens
	13:30h-14:30h	Lunch (only if you have registered) <u>Room:</u> Inner square PRBB	
	14:30h	End of the 2 nd . day	

Organizers

Collaborators
