


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

Preliminary Scientific Program

Face to face (+Streaming) in Barcelona

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
	11:10h-12h	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
	12h-13:50h	Results Session <u>Room</u> : Ramón y Cajal	<p>Topic: Urban environment & neuropsychological function, stress, and lung function</p> <ul style="list-style-type: none"> - 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: Evidence from the INMA prospective birth cohort. Leire Luque-García - Ambient Temperature Exposure and Self- and Parent-Reported Internalizing, Externalizing, and Attention Problems in Preadolescents. Esmée Essers - NO2 Exposure, Attentional Function and Working Memory: Periods of Susceptibility from Pregnancy to Childhood. Anne-Claire Binter - Exposure to Air Pollution and the Development of Functional Brain Connectivity from Late Childhood into Adolescence. Michelle S. W. Kusters - Environmental noise exposure effect on cortisol levels in children from seven European birth cohorts: preliminary results. Ane Arregi - Exposure to Air Pollution, Road Traffic Noise and Allostatic Load Score in Children. Michelle S. W. Kusters - Single and Multiple Exposure to Outdoor Air Pollution on Lung Function in School-Aged Children. Alan Domínguez <p>Questions</p>
	13:50h-15:30h	Lunch	

Day	Time	Session Type Room	Activity
	15:30h-17h	Results Session <u>Room:</u> Ramón y Cajal	<p>Topic: Other exposures & neuropsychological function</p> <ul style="list-style-type: none"> - Prenatal exposure to mixtures of chemicals and cognitive and fine motor abilities in offspring. Pavla Brennan Kearns - 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 - Integrated Insights into Neurodevelopmental Effects of Trimethylamine N-Oxide (TMAO) and Trimethylamine (TMA): A Multi-Cohort Study Combining Epidemiology and Toxicology. Léa Maitre <p>Topic: Exposures</p> <ul style="list-style-type: none"> - Characterization of human exposure to tire rubber additives and their transformation products. Insights from TRANSIT and CIRCULATE projects. Mercè Gari - Trends of PFAS exposure levels in during childhood and associated factors. Amaia Irizar - Anemia enhancement of cobalt exposure in children and pregnant women. Joan O. Grimalt <p>Questions</p>
	17h-17:15h	Break	
	17:15-18:25h	Coffee Break + Posters Session <u>Room:</u> Ramón y Cajal	<ul style="list-style-type: none"> - Effects of prenatal metal exposure on working memory during childhood and adolescence. Simona Porru - The role of neighbourhood characteristics and social support in mental health outcomes in adolescents from different socioeconomic backgrounds in Spain. Blanca Piera Pi-Sunyer - Ultra-processed food consumption and obesity in children aged 4 to 7 years old. Sandra González-Palacios - Childhood exposure to non-persistent pesticides and age at menarche in Spanish girls. Carmen Freire/Francesca Castiello - Prenatal endocrine disrupter exposure and its impact on menarche and menstrual characteristics: INMA-Valencia Cohort. Oihane Alvarez - Exposure to endocrine disruptors and other environmental chemicals and breast development in girls: A systematic review of human studies. Alicia Olivas-Martinez - Factors associated to the Mediterranean diet in pregnant women and children at 4, 7 and 9 years old. Sandra González-Palacios - Pro-vegetarian dietary patterns and essential and heavy metal exposure in children of 4-5-years from the INInfancia y medio Ambiente cohort (INMA). Alejandro Oncina Cánovas - Development and validation of a pipeline to derive physical activity descriptors from the acceleration data of smartphones. Maria Llopis - Sociodemographic, lifestyle, and environmental determinants of vitamin D levels in pregnant women in Spain. Paula Sol Ventura - Risk and protective factors in BDNF levels. 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 pesticides in pregnant women and children. Paula Ruiz
	18:25h	End of the 1 st . day	
	18:45h-19:45h		Social activity
	20:30h	Dinner (not funded by organization)	

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Day	Time	Session Type Room	Activity
12/6/2024	9:30h-11h	Results Session Room: Ramón y Cajal	<p>Topic: Omics</p> <ul style="list-style-type: none"> - Gestational age and genome-wide placental DNA methylation: a PACE meta-analysis. Sofía Aguilar-Lacasaña & Alexandra Binder - Methylation quantitative trait loci mapping in more than 2,500 placentas provides insight into human complex disease. Ariadna Cilleros-Portet - 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 DNA methylation in the placenta and emotional and behavioral problems in the offspring. Marta Cosin Tomas - Prenatal and perinatal determinants of gut microbiota's diversity and composition in adolescence. Raul Beneyto - Associations between infant gut microbiota composition and biological activity, and its early life determinants. Pol Jimenez-Arenas - Gut microbiome in 15 year olds: taxa abundance and alpha diversity from 16S sequencing data and shotgun sequencing data and its relationship with mercury (preliminary results). Jorge Vallejo-Ortega <p>Questions</p>
	11h-11:30h	Coffee Break	
	11:30h-13h	Results Session Room: Ramón y Cajal	<p>Topic: Obesity, cardiovascular, puberty, thyroid function, and infections</p> <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 - Association between exposure to mercury and cardiometabolic risks development in adolescence. Raquel Soler-Blasco - Association between prenatal PFAS exposure and pubertal development in the INMA project. Sara López de Calle - Prenatal exposure to organochlorine chemicals and pubertal development in the INMA cohort. German Cano-Sancho - Prenatal exposure to arsenic and thyroid function. Sabrina Llop - Vitamin D status and impairment of immune response to specific infections during pregnancy in three European birth cohorts. Paula Labrés Pizà <p>Questions</p>
	13h-14h	Plenary Session Room: Ramón y Cajal	Closing keynote: Mental health and neuroimaging on a longitudinal basis. Henning Tiemeier
	14h-15h	Lunch	
	15h	End of the 2 nd . day	

Organizers



Collaborators

