

17th INMA-Infancia y Medio Ambiente (Environment and Childhood project) Scientific Conferences 2021

Title: “Dime dónde vives y te diré a qué te expones. Los efectos en salud de las exposiciones ambientales”

Preliminary Scientific Program

Face to face (+Streaming) in San Sebastian:

Day	Time	Session Type	Activity
23/11/2021	9:30h – 10:00h		Registry
	10:00h – 10:30h	Plenary Session	Welcome and Opening session.
	10:30h – 11:00h	Coffee Break	
	11:00h – 12:25h	Session 1 Results	Results of INMA Project: - Obesity, Diet and Puberty <ul style="list-style-type: none"> - Sedentary behaviour and telomere length in 4-year-old children: a cross-sectional study. Daniel Prieto - Prenatal exposure to multiple endocrine disrupting chemicals and childhood BMI trajectories. Parisa Montazeri - Prenatal exposure to phthalates and puberty timing in boys and girls. Carmen Freire - Pre and postnatal exposure to mercury and sexual development. Sabrina Llop - Nutritional modulation of associations between persistent organic pollutants during pregnancy and childhood obesity. German Cano-Sancho (Maribel Casas) - Association of Prenatal Exposure to Molybdenum and other essential minerals with Childhood Obesity in Spain- Results from the Infancia y Medio Ambiente (INMA) Cohort Study. Stasja Ilic - Prenatal Exposure to Mixtures of Non-persistent Endocrine-Disrupting Chemicals and Obesity and Blood Pressure in Spanish Preadolescents. Nuria Güil Public discussion and questions
	12:25h – 13:30h	Session 3 Results	Results of INMA Project: - Physical Exposures, urban environment (AP, Noise, EMF...) <ul style="list-style-type: none"> - Prenatal exposure to air pollution during early-life and maternal and cord blood vitamin D levels. Anne-Claire Binter - Environmental noise and sleep quality at 11 years in the Gipuzkoa cohort. Ane Arregi - Airborne pesticide concentrations during plant treatment and metabolite urine levels in the population located nearby the crop fields. Joan O. Grimalt - Environmental noise exposure and sleep in preadolescents from two European birth cohorts. Esmée Essers - Short-term exposure to air pollution, plasmatic protein levels and blood pressure in HELIX. Paula de Prado Public discussion and questions
	13:30h – 15:00h	Lunch	
	15:00h – 16:05h	Session 2 Results	Results of INMA Project: - Psychosocial Factors and COVID <ul style="list-style-type: none"> - Longitudinal study of the determinants of quality of life during the climacteric period in women in the INMA-Valencia cohort. Natalia Marin - Do prenatal and prepubertal hormones and psychosocial context jointly explain 11-year-old children's bullying victimization?. Izaro Babarro - Detection of SARS-CoV-2 in aerosols in indoor spaces of public interest. Juana Mari Delgado - Spread of SARS-CoV-2 in the air of hospitals. Joan Grimalt POSTERS: <ul style="list-style-type: none"> - Effects of the SARS-Cov2/COVID-19 pandemic on biomarkers of stress in adolescents and their mothers. Andrea Lebeña - Prevalence and symptoms of Covid-19 in the INMA-Valencia Cohort. Natalia Marin Public discussion and questions
	16:05h – 16:50h	Session 4 Results	Results of INMA Project: - Neurodevelopment <ul style="list-style-type: none"> - Prenatal arsenic As exposure, arsenic methylation efficiency, and neuropsychological development among pre-school children in the Valencia and Gipuzkoa INMA cohorts. Raquel Soler-Blasco - Association between telomere length and neuropsychological development at 4 years old in children from the INMA Project: cross-sectional study. Irene Campos - The association of maternal ultra-processed food intake during pregnancy and child neuropsychological development. Júlia Puig-Vallverdú (Jordi Julvez) Public discussion and questions

	16:50h – 17:20h	Coffee Break	
	17:20h-18:50h	Plenary Session	European Projects Results of other birth cohorts <ul style="list-style-type: none"> - First descriptive data of the BISC cohort. Pol Jimenez - Personal exposure to air pollutants during pregnancy in the BiSC cohort. Ioa Rivas (Zoraida Garcia) - Evolution of levels of perinatal maternal perceived stress during COVID-19 pandemic in Barcelona. Ioa Rivas (Neus Rosell) - Air pollution during early-life and brain structure: cumulative effects and windows of vulnerability. Anne-Claire Binter - Effect of postpartum depression on infant behaviour. Paula Llabrés - Prenatal exposure to air pollution impairs psychomotor development at 40 days of age: results from ECLIPSES study. Lucia Iglesias Public discussion and questions
	18:50h	End of the 1 st . day	

Face to face (+Streaming) in San Sebastian:

Day	Time	Session Type	Activity
24/11/2021	8:30h – 9:30h	Closed Session	INMA Direction Committee breakfast
	9:30h – 10:45h	Session 5 Results	Results of INMA Project: - Genetics <ul style="list-style-type: none"> - Placental mQTLs: final INMA database & applications. Ariadna Cilleros-Portet - Comparing imputation panels and merging strategies across INMA genotype datasets. Sergi Mari - Pre-pregnancy maternal body mass index and placental methylation: a meta-analysis of 2,641 mother-child pairs. Nora Fernandez-Jimenez (Jose Ramon Bilbao) - Integrative study of copy neutral loss of heterozygosity mosaicism and its relationship with the exposome and health. Laura Balagué - The effect of polymorphic inversions on DNA methylation and its modulation by the early-life exposome. Natalia Carreras - EWAS of Green Spaces and blood DNA methylation. Sofía Aguilar Public discussion and questions
	10:45h-11:15h	Coffee Break	
	11:15h – 12:05h	Session 6 Results	Results of INMA Project: - POSTERS 1 <ul style="list-style-type: none"> - Exposure to non-persistent pesticides and associated factors in children at 8 years of age (INMA cohort). Josune Dominguez - Childhood exposure to non-persistent pesticides and puberty timing. Francesca Castiello (Carmen Freire) - Organophosphate pesticides, pyrethroids and bisphenols in eight-year old children from Asturias. Natalia Bravo (Joan Grimalt) - Exposure to mercury in INMA Valencia: from prenatal period to adolescence. Ferran Ballester - Prenatal exposure to metals and telomere length at 4 and 8 years of age in the INMA-Gipuzkoa cohort. Nora Molas - Arsenic exposure and respiratory outcomes during childhood in INMA study. Antonio J. Signes Pastor - Prenatal metals exposure and blood pressure throughout childhood: A longitudinal study using Bayesian mixed effects linear regression with multivariate Gaussian prior for the metals exposure coefficients. Preliminary results. Gabriel Riutort-Mayol - Maternal Perfluoroalkyl Substances, Thyroid Hormones, and DIO Genes: A Spanish Cross-sectional Study. Blanca Sarzo (María José López) Public discussion and questions
	12:05h – 12:20h	Break	
	12:20h – 13:00h	Session 7 Results	Results of INMA Project: - POSTERS 2 <ul style="list-style-type: none"> - Association of breastfeeding and genome-wide DNA methylation in children's blood. Mariona Bustamante (Sofía Aguilar) - Analysis of the relationship between family context, executive functions and socio-emotional problems in middle childhood. Florencia Barreto-Zarza - Vaginal microbiota: factors that determine its composition and diversity. María Montagud (María José López) - Quality of life and mental health of adolescents after Covid-19. Nerea Lertxundi - Mental health in the climacteric period: Mindfulness as an assessment tool. Marisa Nieto (Natalia Marin) - Secular trend in menarche and menopause: results of a comparison between two population-based studies in the Valencian Community and the INMA - Valencia Cohort. Andrea Benito Public discussion and questions
	13:00h-13:30h	Plenary Session	CLOSURE of the Face to Face 17th INMA Scientific Conference 2021
	13:30h – 15:00h	Lunch	
	15:00h	End of the 2 nd . day	

On-line:

Day	Time	Session Type	Activity
29/11/2021	9:00h – 10:30h	Meeting of INMA Working group	Respiratory and Allergies Coordinator: Maribel Casas
	10:30h-10:45h	Break	
	10:45h – 12:15h	Meeting of INMA Working group	Neurodevelopment Coordinator: Jordi Julvez
	12:15h	End of the 3 rd . day	

On-line:

Day	Time	Session Type	Activity
30/11/2021	9:00h – 10:30h	Meeting of INMA Working group	Statistics Coordinator: (Pending)
	10:30h-10:45h	Break	
	10:45h – 12:15h	Meeting of INMA Working group	Biomarkers Coordinator: Sabrina Llop
	12:15h-12:30h	Break	
	12:30h-14:00h	Meeting of INMA Working group	Pubertal development and hormonal disorders Coordinator: María José López
	14:00h	End of the 4 th . day	

On-line:

Day	Time	Session Type	Activity
1/12/2021	9:00h – 10:30h	Meeting of INMA Working group	INMA 20+ Coordinator: Nerea Lertxundi
	10:30h-10:45h	Break	
	10:45h – 12:15h	Meeting of INMA Working group	GIS variables (green and gray spaces, noise, traffic, land use) and Air Pollution Coordinator: Antonia Valentin
	12:15h-12:30h	Break	
	12:30h-14:00h	Meeting of INMA Working group	Follow-up visit protocols 14-16 years Coordinator: Carmen Freire/Maribel Casas
	14:00h	End of the 5 th . day	

On-line:

Day	Time	Session Type	Activity
2/12/2021	9:00h – 10:30h	Meeting of INMA Working group	(Epi)Genetics and Omics Coordinator: Mariona Bustamante
	10:30h-10:45h	Break	
	10:45h – 12:15h	Meeting of INMA Working group	Nutrition Coordinator: Jesús Vioque
	12:15h-12:30h	Break	
	12:30h-14:00h	Meeting of INMA Working group	INMA Parents Coordinator: (Pending)
	14:00h	End of the 6 th . day	

On-line:

Day	Time	Session Type	Activity
3/12/2021	9:00h – 10:30h	Meeting of INMA Working group	Obesity, Postnatal Growth and Physical Activity Coordinator: Martine Vrijheid
	10:30h-10:45h	Break	
	10:45h – 12:15h	Meeting of INMA Working group	New cohorts Coordinator: Aitana Lertxundi
	12:15h	End of the 17 th . INMA Scientific Conference 2021	

Organisers

Collaborators