



# Environmental exposure and brain development: what we know and upcoming challenges



~Open and free activity

~12:30h

~Palacio Miramar, San Sebastián or online

Lecture by Mónica Guxens, Doctor specialising in Preventive Medicine and Public Health

Conversations Environmental Framework Programme 2030

**05.Dec 2024**

**Cod. W17-24**

**Mod.:**

Streaming Face-to-face

**Edition**

2024

**Activity type**

Open activity

**Date**

05.Dec 2024

**Location**

Miramar Palace

**Languages**

Spanish Basque

**Organising Committee**

Fundación  
BBVA



## Description

### **Greater air pollution and extreme temperatures affect brain development.**

Increasing urbanisation worldwide means a rise in the number of people exposed to an urban environment meaning poorer air quality, more noisy environments and less access to natural spaces. We have shown in recent papers how air pollution and extreme temperatures have a negative impact on brain structure and function in childhood. Furthermore, we have noted that greater access to green spaces fosters optimum brain development, by partly reducing exposure to traffic noise. These findings pose new challenges, such as identifying the most likely toxicity periods in order to be able to implement efficient preventive measures and establish what the functional or clinical alterations are in the long term.

### **Organised by**



EKONOMIAREN GARAPEN,  
JASANGARRITASUN  
ETA INGURUMEN SAILA  
DEPARTAMENTO DE DESARROLLO  
ECONÓMICO, SOSTENIBILIDAD  
Y MEDIO AMBIENTE

# Program

**05-12-2024**

12:30 - 13:45

“Exposiciones ambientales y desarrollo del cerebro: próximos retos”

**Mònica Guxens Junyent** | ISGlobal - Instituto de Salud Global de Barcelona - ICREA  
Research Professor en ISGlobal

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**Eva Caballero kazetariak hizlariarekin elkarriketa izango du hitzaldia amaitutakoan / La periodista Eva Caballero mantendrá un diálogo con la ponente una vez finalizada la conferencia**

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## Teachers



### **Mònica Guxens Junyent**

ICREA Research Profesor, Barcelona Institute for Global Health

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Mònica Guxens is a doctor specialising in Preventive Medicine and Public Health. She has been awarded several national competitive contracts (Río Hortega in 2008, Miguel Servet I in 2013, Miguel Servet II in 2018, ICREA Research Professor in 2024). In 2016, Mònica was the winner of the prestigious Walter A. Rosenblith New Investigator Award of the Health Effects Institute (USA), in recognition of her exceptional track record and promising professional career. She has led different international and national projects, and actively been a co-researcher in others, building a profile of excellence and recognition nationally and internationally. She is the Director of the INMA Project, a birth cohort of Spain. She is an associate editor of the European Journal of Epidemiology. Mònica Guxens is an associate professor at Pompeu Fabra University and has supervised 15 PhD dissertations and 22 Master's theses.

# Registration fees

REGISTRATION - FACE-TO-FACE	UNTIL 05-12-2024
<a href="#">Free registration</a>	0 EUR

REGISTRATION - LIVE ONLINE	UNTIL 05-12-2024
<a href="#">Free registration</a>	0 EUR

## **Place**

### **Miramar Palace**

Pº de Miraconcha nº 48. Donostia / San Sebastián

Gipuzkoa