



Phd grant on behaviour and toxicogenomics in Daphnia

The role

The contracted person will focus their PhD on behalf of the project PID2020-113371RB-C21 “Development and application of behavioral-based methodologies for the identification of emerging hazardous cognitive effects of neuroactive chemicals in water” from the Spanish Ministry of Innovation and Research. Moreover, the person will study the effects of neuroendocrine disruptors on behavioural responses in aquatic organisms at different molecular levels using Systems Biology approaches.

What do we look for?

- **Qualifications**
Master in Biological or Environmental Sciences
- **Professional experience**
Appreciated but not required
- **Competences**
Environmental toxicology, aquatic ecology, bioinformatics, molecular biology, environmental chemistry, metabolomics, transcriptomic

Working conditions

- **Contract duration: 4 years**
- Estimated annual gross salary: 21000-29000 EU, increasing from 1s to 4th year
- Target start date: 2022

The group

Environmental Toxicology group, is a leading group on environmental toxicogenomics combining molecular with apical toxicological effects across model organisms (Daphnia, aquatic invertebrates, fish, cells, lab and field studies. <https://www.idaea.csic.es/research-group/environmental-toxicology/>

The institute

The **Institute of Environmental Assessment and Water Research (IDAEA)** is an environmental science institute devoted to the study of the human footprint on the biosphere. Much of the research work at this institute is centred on two of the great environmental challenges of our time: cleanliness and availability of water and quality of air.

Founded in 2008 as a member of the **Spanish National Research Council (CSIC)**, the Institute brings together a wide range of expertise in environmental science. It is organized under two Departments (Environmental Chemistry and Geosciences), established with a strong record of publication in top scientific journals, leading international projects, membership on international committees, and adopting a high-profile contribution to the identification and remediation of environmental problems.

IDÆA has demonstrated strengths in the analysis of organic pollutants and their impact on ecosystems, the study and management of water resources, the development of multivariate resolution algorithms in chemometrics, and in the study of inhalable particulate matter and toxic gases.

IDÆA has been recently awarded with the distinctive **Centre of Excellence “Severo Ochoa”** (2020-2023), distinction that indicates the high-quality scientific leadership and global impact of the work developed at the centre.

We offer a diverse and inclusive environment where no discrimination against disability, gender, nationality, religion or sexual orientation will occur during the selection process.

How to apply?

Those interested have to submit their application to

<http://www.aei.gob.es/portal/site/MICINN/menuitem.dbc68b34d11ccbd5d52ffeb801432ea0/?vgnextoid=4c6c68d98570c710VgnVCM1000001d04140aRCRD>

Also send an email their **CV** and **motivation letter** to **Dr. Carlos Barata** at (cbmqam@cid.csic.es), adding **Contratos predoctorales AEI 2021** to the email subject.

Deadline: 11/11/2021