

Innovation Hub Europe
Fundación Tec para la Innovación y Emprendimiento
Comillas, Cantabria. ESPAÑA

FULL-TIME RESEARCHER

Job description

About the Innovation Hub Europe (Hub)

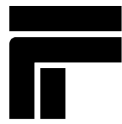
The Innovation Hub Europe (Hub, registered as Fundación Tec para la Innovación y el Emprendimiento) is a European entity of Tecnológico de Monterrey (Mexico) and it is located in Comillas, Spain. The Hub supports the goals of Tecnológico de Monterrey's Institute for the Future of Education (IFE). Those objectives include the generation, transfer, and dissemination of applicable knowledge on educational innovation in an experimental, interdisciplinary, open, and world-class way, by connecting, inspiring, and accompanying those who seek disruptive solutions for the future of higher education and lifelong learning.

The IFE has three research units (<https://tec.mx/es/ife>):

- Engaging and motivating learning models
- Educational technology
- Competence-based education

The Hub and each IFE unit are looking for researchers who, in the framework of collaboration with partners and European funding, will devote their time to respond with solutions to the following challenges:

- a. Improve discipline-based educational research as a basis for improving student learning.
- b. Encourage interdisciplinary work in educational research to improve students' abilities to solve complex problems with an interdisciplinary perspective
- c. Incorporate affective learning in educational models to improve discipline and transversal competences.
- d. Improve learning outcomes and scale solutions for more inclusive and diverse societies globally, through the application of technology.
- e. Implement scenarios with 4.0 technologies that are linked and transferable to solutions for sustainable development and the quadruple helix (university-industry-government-civil sector).
- f. Develop a road map of professional and labor skills for learners around the world.

**Job title**

Research Professor in Computer Science applied to Cognitive Modeling

Vacancy type

Full-time position

Location

On-site, Innovation Hub Europe. Comillas, Cantabria. Spain.

Expected results

- Attract research funding and participate in proposal development and allocation of funds to develop research projects.
- Publish in high impact journals (Q1 and Q2) as first author or corresponding author and with international co-authors (Top 100 QS).
- Participate in postulated research projects.
- Participate in national and international research networks.
- Participate in research training activities (courses, workshops, bootcamps, among others) as well as regular meetings.
- Participate in high-impact dissemination activities.

Requirements

- PhD in Artificial Intelligence, Intelligent Systems, Data Science, Applied Mathematics, Computer Science, or related areas.
- Experience in research projects and/or academic activities applying data science, artificial intelligence, or related areas in cognitive modeling of learning and/or applications of cognitive models to educational technology.
- Evidence of at least three years of scientific publications, including as first author, in journals indexed in Scopus and Web of Science.
- Demonstrable experience in applying for and managing research funds internal or external to the institution where the applicant has worked and/or studied.
- High level of proficiency in English and working knowledge of Spanish with intent on becoming fluent.
- Ability to carry out research in person at the Educational Innovation Lab in Comillas, Cantabria, Spain.

Desirable skills

- High level of organization in task management and commitment to project delivery.
- Be available, positive, and collaborative, and initiative taker.
- Be thorough and careful in managing resources.
- Preference will be given to individuals with outstanding leadership potential and a commitment to developing an innovative research agenda that lends itself towards entrepreneurship opportunities in science and/or technology development.

Salary

- Between €35,000 and €38,000 (thirty-five to thirty-eight thousand euros) gross per year, depending on qualifications.



Selected applicants will be responsible for processes and procedures aligned with institutional regulations and Spanish legislation, including work permits and immigration procedures for themselves and their partner and/or family.

The Hub may make a financial contribution to facilitate the installation of those persons residing outside of Cantabria.

Application/more information

Interested applicants should send a letter of motivation and CV to:

- Dr. Miguel A. Montoya. Director of Innovation Hub Europe
- jobs@innovationhubeurope.es
- In the subject line of the email, you should indicate: **Computer Science applied to Cognitive Modeling Job Application**



About IFE

As part of its 2030 Vision, Tecnológico de Monterrey has created The Institute for the Future of Education (IFE), a research, innovation, and entrepreneurship pole of educational innovation, to serve as one of the major centers of its kind in the world.

The Institute for the Future of Education's aspiration is to shape the future of education and improve the lives of millions of people around the world.

The core mission of the Institute is to generate, transfer, and disseminate applicable knowledge about educational innovation, by connecting, inspiring, and accompanying those who seek disruptive solutions for the future of higher education and lifelong learning.

The Institute for the Future Education is an open platform for breakthrough research, innovation, and entrepreneurship that generates cutting-edge solutions to shape the future of Education and improve the lives of millions of people around the world.

The Institute for the Future of Education is composed of various research groups, the Research Lab (RL), the Living Lab & Data Hub (LL&DH), the EdTech incubator and accelerator, the Observatory of Educational Innovation, the International Conference on Educational Innovation, and several other Educational Innovation initiatives.

About Tecnológico de Monterrey

Tecnológico de Monterrey is a private non-for-profit institution with over 26 campi in Mexico. It has more than 89,000 students and 230,000 alumni. Its mission is to educate proactive, humanistic, and internationally competitive leaders for the academic, business, civic, and government sectors. With over 100 academic programs at the undergraduate and graduate level, it has established a reputation for providing educational experiences of the highest quality and fit for an increasingly globalized and digitalized world.

Currently, the university is ranked 161 in the world, one of the Top 5 in Latin America and Top 30 of the private universities in the world, according to the QS World University Ranking. The Times Higher Education World University Ranking considers it #1 in Mexico and #4 in Latin America. Besides, it has been accredited since 1953 by the Southern Association of Colleges and Schools of the United States. For more information about Tecnológico de Monterrey, please visit: <https://www.tec.mx/en>

Tecnológico de Monterrey is a worldwide recognized university in Educational innovation. Some relevant educational innovation initiatives are the Tec21 educational model, The Observatory of educational innovation, which shares best practices with more than 500,000 professors and directors, and the International Conference on Educational Innovation, the most important conference in the field gathering more than 3,700 participants in 2019. Additionally, Tecnológico de Monterrey is the University with more educational innovation publications in Scopus in the last five years, and it is a leader in Educational Technology in the classroom.