

# PHD POSITION OFFER

BSICoS Group - University of Zaragoza



## BIOMEDICAL SIGNAL AND DATA PROCESSING FOR PATIENT MONITORING WITH WEARABLE DEVICES.

The selected candidate will develop their doctoral thesis within the project **“Multimodal Strategies for Robust Health Monitoring using Biomarkers with Wearable Devices”**, whose objective is to create a reliable system for continuous health monitoring, with a special emphasis on biomarkers of the autonomic nervous system.

### Main tasks

- Study and evaluation of wearable devices for sleep and depression monitoring.
- Adaptation and implementation of signal processing algorithms for integration into the devices.
- Validation of proposed solutions in real patients.
- Publication of results in international conferences and journals.

### We offer:

- Integration into a leading bioengineering research group.
- Collaboration with hospitals and technology companies.
- Advanced training in signal processing techniques, AI, and data science.
- An interdisciplinary environment and an excellent work atmosphere.

### HOW TO APPLY

Send your CV, academic record, and a brief cover letter to:  
[edugilh@unizar.es](mailto:edugilh@unizar.es) / [rbailon@unizar.es](mailto:rbailon@unizar.es)

