MSCA Hosting Offers at CVC

Marcos X. Álvarez Cid
Programme Coordinator – Ramon Llull-AIRA MSCA COFUND Postdoctoral Programme
Only Center in Europe fully devoted to Computer Vision

2023 at a glance:

- 29 YEARS
- +154 STAFF
- +110 PUBLICATIONS/YEAR
- 87 RESEARCHERS (PREDocs & POSTdocs)
- 37 ONGOING PHD THESIS
- 58 RESEARCH STAYS & INTERNSHIPS
- 9 THESIS DEFENDED
- 24 COMPETITIVE PROJECTS
Trustees & Sponsors

Trustees:
- Generalitat de Catalunya
- Universitat Autònoma de Barcelona

With the support of:
- Agència de Gestió d'Ajuts Universitaris i de Recerça
- TECNIOspring
- Unió Europea
- Fons Europeu de Desenvolupament Regional

Member of:
- ACER
- Parc de Recerca UAB
- XaRTAP
- TECNIO
- SECPho
- CiAC
- PRISMA
- Valconum
- BIAF
- ACIA
- AERFAI
- AIDA
- Time Machine
- European Federation of Living Labs
- Tisch Talers Pfeifer
- CLUSTER AUDIOVISUAL de Catalunya

Accredited with:
- Tecnio catalunya
- ACCIO
- FICYT
- UOC
- FECYT
- XLAB
- RDI+IA
Thematic Areas

- Autonomous Driving
- MultiSpectral Image Analysis and Understanding
- Image Sequence Evaluation
- Neurocomputation and Biological Vision
- Colour in Context
- Human Pose Recovery and Behaviour Analysis
- Learning and Machine Perception
- Vision and Language
- Document Intelligence
- Interactive and Augmented Modelling
- Medical Imaging (MiLab)
- Quantum Machine Learning
Areas of Excellence

Health & Wellbeing
- Computer-assisted diagnosis, intervention and planning
- Biomedical applications
- Augmented Modelling
- eHealth Intelligent Systems
- Well-being and ambient assisted living
- Behaviour & Cognitive analysis

Culture, Creativity & Inclusive Society
- Cultural heritage (AR/VR)
- Reading Systems
- Document Analysis
- Handwriting recognition
- Experience-based technologies

Civil Security for Society
- Video Analytics
- Document verification
- Biometric Analysis
- Crowd Counting
Areas of Excellence

**Digital & Industry**
- Quality Control
- AR/VR technologies for Industry 4.0
- Robotic Vision
- Recycling systems
- Traceability

**Mobility & Smart Cities**
- Advanced Driving Systems
- Automated and Cooperative Driving in the City
- Simulators for Autonomous Driving
- Unmanned Aerial Vehicles

**Agrifood & Environment**
- Food Recognition
- Smart Farming
- Multispectral Image Analysis for Agriculture & Forests

Slides 6
Available infrastructures and facilities

• > 2,000 m² dedicated exclusively to CV Research.
• Located in the UAB’s Bellaterra Campus in Barcelona.
• Next to other top-notch research centres.
• Dynamic R&D ecosystem.

• Vibrant and collaborative working environment that fosters creativity and innovation.
Available infrastructures and facilities

In-house GPU/computational/GPU clusters as well as GPUs for individual use by the researchers, for a total of 7 PFLOPS of deep learning horsepower.

Access to Mare Nostrum supercomputer infrastructure (through BSC)
CVC is actively looking for talented Postdoctoral researchers to host their Marie Skłodowska-Curie Actions (MSCA) Postdoctoral Fellowships.

Important dates:
- Expressions of Interest submission deadline: June 30, 2024
- Review of submissions by CVC team: Immediately after submission (June 2024)
- Feedback on internal selection process: from the submission and until July 10.
- Proposal development and review with CVC's supervisor: during all July 2024
- Submission of final draft to CVC: September 1, 2024
- Call deadline (submission via the EC Funding & Tender Opportunities system): September 11, 2024, at 17.00 h (Brussels time)
- Publication of the MSCA PF results: February 2025
- Estimated project start (if funded): From May 2025

More info and applications: https://www.cvc.uab.es/cvc-msca-postdoctoral-fellowships-2024/
## List of CVC IPs:

<table>
<thead>
<tr>
<th>Name</th>
<th>Research Area</th>
<th>University</th>
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</thead>
<tbody>
<tr>
<td>Alicia Fornes</td>
<td>Handwriting recognition, e-Health</td>
<td>UNIB</td>
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<tr>
<td>Angel Sappa</td>
<td>Multimodal analysis, sensor fusion</td>
<td>UNIB</td>
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<tr>
<td>Antonio M. López</td>
<td>Autonomous driving, imitation learning</td>
<td>UNIB</td>
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<tr>
<td>Debora Gil</td>
<td>Biomedical applications, radiogenomics</td>
<td>UNIB</td>
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<td>Dimosthenis Karatzas</td>
<td>Vision and Language</td>
<td>UNIB</td>
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<tr>
<td>Daniel Ponsa</td>
<td>Aerial image analysis, multispectral imaging</td>
<td>UNIB</td>
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<tr>
<td>Joost van de Weijer</td>
<td>Lifelong learning, generative models</td>
<td>UNIB</td>
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<td>Jordi Gonzalez</td>
<td>Video hermeneutics</td>
<td>UNIB</td>
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<td>Josep Lladós</td>
<td>Document intelligence, Graph-based models</td>
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<td>Maria Vanrell</td>
<td>Color, CNN understanding</td>
<td>UNIB</td>
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<tr>
<td>Petia Radeva</td>
<td>Lifelogging and egocentric vision</td>
<td>UNIB</td>
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<td>Sergio Escalera</td>
<td>Explainability, interpretability, affective Computing</td>
<td>UB Barcelona</td>
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<tr>
<td>Xavier Otazu</td>
<td>Biologically plausible models of vision</td>
<td>UB Barcelona</td>
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<tr>
<td>Javier Vázquez</td>
<td>Computational Color, Low-level Computer Vision, Physics-based Vision</td>
<td>UB Barcelona</td>
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<tr>
<td>Jorge Bernal</td>
<td>Medical imaging, anomaly detection</td>
<td>UNIB</td>
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<tr>
<td>Luis Gómez</td>
<td>Multi-modal learning, scene text understanding</td>
<td>UB Barcelona</td>
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RAMON LLULL POSTDOCTORAL PROGRAM ON AI

3 year International Postdoctoral Program

Funded by the CE (HORIZON-MSCA-2022-COFUND-01)

We offer 33 three-year fellowships for researchers to work in our R&D Institutions on Artificial Intelligence.
Welcome to:
RAMON LLULL - AIRA
an exciting international initiative offering 33 postdoctoral fellowships in Artificial Intelligence (AI) research.

Stay tuned!: ramonllull-aira.eu
Contact Point

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