



## FINAL RESOLUTION OF THE COMFUTURO iAGE CALL (COMFUTURO FOURTH EDITION)

31 July 2026

This Final Resolution supersedes the provisional resolution published on 7 July 2026.

Following the criteria reflected in [ComFuturo iAGE's Call Guidelines](#), the present document reflects the final resolution of the call, which results from the candidates' punctuations in the external evaluation process of proposals (relative weight 80%) and the results of the personal interviews with the highest-ranked candidates (relative weight 20%).

Taking into account the above-mentioned assessments, the following information shows the final candidatures selected for funding and the corresponding reserve list when such list exists.

### **Topic A: Impact of Cellular Hypoxia on Ageing-Related Diseases**

| Project                                                                                                             | Researcher         |
|---------------------------------------------------------------------------------------------------------------------|--------------------|
| Cardiopulmonary Responses to obstructive sleep Apnoea–air pollution interaction: sex differences in Vascular ageing | Gerrit Bredeck     |
| Diffusion weighted imaging as a novel tool to study hypoxia and neuroinflammation in Parkinson's disease            | Hilmar Sigurdsson  |
| Click-to-Biology Dual Immunomodulators for Hypoxic Tumor Microenvironments in Ageing                                | Francisco Martínez |

Reserve list:

| Project                                                                                                                           | Researcher           |
|-----------------------------------------------------------------------------------------------------------------------------------|----------------------|
| Evaluating partial reprogramming to restore hippocampal endothelial cell metabolism and blood-brain barrier function during aging | María Isabel Álvarez |

### **Topic B: Natural Language Technologies for Accessible, Cognitive-Aware and Personalized Communication in Older Adults**

| Project                                               | Researcher     |
|-------------------------------------------------------|----------------|
| Grounding between Interactive Systems and the Elderly | Agnes Axelsson |

Reserve list:

| Project                                                                                     | Researcher    |
|---------------------------------------------------------------------------------------------|---------------|
| PIAIn Health: Explainable AI for Plain Language Medical Communication in Ageing Populations | Kimji Pellano |

### ***Topic C: Smart Homes for Older Adults - Sensors and Technologies for Invisible and Personalised Care***

| <b>Project</b>                                                                          | <b>Researcher</b>            |
|-----------------------------------------------------------------------------------------|------------------------------|
| NeuroPlasticity Recognition and Intelligent Monitoring Engine for movement disorders    | Annemarie Florence Laudanski |
| SOLESAGE: Longitudinal Smart-Insole Markers of Stability Decay for Fall-Risk Prediction | David Benito Jiménez         |

Reserve list, in order of priority:

| <b>Project</b>                                                                                                                                    | <b>Researcher</b> |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| FUSE-MOVE: Invisible Smart-Home Biomarkers for Older Adults with Frailty - Parkinson's as a High-Risk Exemplar                                    | Francisco Anaya   |
| Semiconducting MXene Sensors for Invisible Urinary Health Monitoring in Smart Homes: Engineering Novel 2D Materials for Personalized Elderly Care | Juan Casanova     |
| Graphene microphones for watching over falls and notify them                                                                                      | Alberto Martín    |

### ***Topic D: Digital Solutions and Platforms for Healthy, Safe and Socially Active Ageing in Older Adults***

| <b>Project</b>                                                                                       | <b>Researcher</b> |
|------------------------------------------------------------------------------------------------------|-------------------|
| Care Platforms for Older Adults: Mapping Digital and Social Practices and Co-Constructing Guidelines | Mino Novello      |

Reserve list:

|                        |
|------------------------|
| No list for this Topic |
|------------------------|

### ***Topic E: AI-Powered Prediction of Early Ageing and Strategies for Rejuvenation***

| <b>Project</b>                                                                                                          | <b>Researcher</b> |
|-------------------------------------------------------------------------------------------------------------------------|-------------------|
| AI-Powered Prediction of Early Ageing and Personalised Rejuvenation Strategies Using Behavioural and Biological Markers | Chiranjeevi Karri |

Reserve list:

|                        |
|------------------------|
| No list for this Topic |
|------------------------|

**Topic F: Digital Environmental Sensing and Climate-Aware Urban Ecosystems for Healthy Ageing**

No applications received in this Topic

**Topic G: Digital Twins for Anticipatory Geriatric Care**

No applications received in this Topic

**Topic H: Mechanical Markers of Tissue Dysfunction Due to Ageing: Digital Twins and Machine Learning**

| Project                                                                                              | Researcher        |
|------------------------------------------------------------------------------------------------------|-------------------|
| Mechanical Signatures of Ageing: Physics-Informed Neural Network for Epithelial Tissue Digital Twins | María José Franco |

Reserve list:

|                        |
|------------------------|
| No list for this Topic |
|------------------------|

**Topic I: Big Data and AI to Unravel the Role of Complex Structural Variants in Ageing**

No application received under this Topic obtained a final score above the required 70% threshold for funding.

**Topic J: Personalised AI for Healthy Ageing: Social Robots as Adaptive Support Systems**

| Project                                                                                   | Researcher  |
|-------------------------------------------------------------------------------------------|-------------|
| Robots as Actors: designing adaptive and engaging social robots for elderly mental health | Baisong Liu |

Reserve list:

|                        |
|------------------------|
| No list for this Topic |
|------------------------|