

**MSCA** 

**Postdoctoral Fellowships** 



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# **CALL FOR APPLICATIONS 2025 – FELLOWS**

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Supervisor page	https://scholar.google.co.uk/citations?user=Gs1szgkAAAAJ&hl=en
Host Institution	Université de Technologie Compiègne (UTC) https://www.utc.fr/en/
Research Lab	Laboratoire BioMécanique et BioIngénierie https://bmbi.utc.fr/
Research Team	Caractérisation et Modélisation personnalisée du système MUSculo- squeleTtique <u>https://bmbi.utc.fr/recherche/equipes-de-recherche/caracterisation-et-</u> modelisation-personnalisee-du-systeme-musculo-squelettique-c2must/

## **Project Title**

Assisted Living with Ethical, Legal, and Privacy Considerations

## **Project Description**

We focus on designing and implementing assisted living technologies that prioritize ethical principles, legal compliance, and user privacy. We will ensure that technologies such as health monitoring, smart home systems, and AI-driven assistance respect user autonomy, adhere to data protection regulations, and safeguard sensitive information. The goal is to create a blueprint for responsible innovation in assisted living, balancing technological advancement with the rights and dignity of users.

## Keywords

assisted living, artificial intelligence, ethics and privacy

## **Description of the Host Lab**

BMBI is uniquely positioned in the field of Life Mechanics and Health Engineering. We carry out fundamental studies on the understanding/modeling of living systems at different scales (from the cell to the whole body), and develop solutions or applications for the diagnosis, prognosis, treatment, replacement or even prevention of pathologies of the musculoskeletal, cardiovascular or metabolic systems. In this way, we aim to ensure a continuum of fundamental research-engineering-technology for healthcare. »