

JOB VACANCY ANNOUNCEMENT

VAC-2024-39 – Innovation Developer. Position in Biomedical Engineering Group

Number of places: 1

Category: Innovation Developer 3

Salary (gross): 28.747,10 €/year

Working hours: 40h/week

Workplace: Barcelona (potential work opportunities in Valladolid)

Description:

At CIMNE's Biomedical Engineering (BME) group, we are at the forefront of merging computational modelling with medical sciences. We specialize in transforming medical imaging into three-dimensional digital twins, enhancing precision in diagnostics and enabling virtual treatment simulations. Our software solutions automate the design of optimal medical devices, leveraging cutting-edge numerical simulation technologies. Employing also advanced numerical simulation technology, we significantly enhance the design of cardiovascular medical devices during the pre-prototype stage, ensuring more personalized and secure patient care. We invite passionate profiles to contribute to our mission of personalizing and optimizing healthcare. Discover how your expertise can drive innovations that transform patient care in a clinical setting.

Functions to be developed:

Support activities of the research group.

Required skills:

- PhD in Mathematics, Biomedical Engineering.
- Knowledge of Computational Software, such as, ABAQUS, ANSYS, KRATOS... (demonstrable through undergraduate thesis, master's thesis, papers, other works...)
- Programming experience in scientific computing (Python, Matlab...)
- Writing and communication skills (oriented towards the production of scientific articles and presentations).
- Participating in significant projects and assisting in the development of new proposals
- Developing products, software or services in line with the expectations of projects or contracts.
- Helping to develop relationships with companies and/or government or public institutions through successfully meeting goals, deliverables and milestones.
- Helping in the supervision of Innovation Trainee, internships or similar junior colleagues.
- Assisting in the writing and publishing of applied research papers, reports to industry or public institutions (including confidential reports), professional practice guides, technical guidelines, technical books, expert opinion papers, etc.
- Co-authoring research papers.
- Carrying out applied academic research to achieve a PhD.

Other valued skills (not mandatory):

- Working on medical imaging, inverse analysis.

Qualification system:

The requisites and merits will be evaluated with a maximum note of 100 points. Such maximal note will be obtained summing up the following points (minimum required 75%):

- Academic qualifications/track Records: 20%
- Training and development: 5%
- Professional experience: 20%
- Knowledge of the Catalan language: 5%
- Knowledge of the English language: 10%
- Selective tests and interview: 40%

Candidates must complete the "Application Form" form on our website, indicating the reference of the vacancy and attaching the required documents.

The deadline for registration to the offer 23 July 2024, at 12 noon.

The preselected candidates may be requested to send the documentation required in the "Requirements" and "Merits" sections, duly scanned, and may be called to go through selection tests (which might be of eliminatory nature) and / or personal interviews.

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