

**Call for a research and training fellowship on “Computational modelling for efficient cardiovascular simulations and digital twins” Mathematics Area, Dott. Pasquale Africa.**

The above mentioned selection is based on academic qualifications only.

- **Title of the project:** Computational modelling for efficient cardiovascular simulations and digital twins
- **Duration:** 3 months starting from January 2025
- **Amount of the fellowship:** € 1000,00 net per month.
- **Research activity:** scientific computing, high performance computing, model order reduction, scientific machine learning for digital twins
- **Requirements:**
  - Enjoy civil and political rights: This means that the person must not have any restrictions or deprivation of fundamental rights, such as the right to vote or run for office.
  - Not having any criminal convictions: The person should not have any criminal records or final convictions, nor be subject to preventive measures, civil decisions, or administrative provisions.
  - Not being subject to administrative or civil measures: The person should not be under any sanctions or decisions related to administrative provisions (such as restrictions on certain activities or roles) or civil measures (like bankruptcy, legal incapacity, etc.).
  - Being aware of not being under criminal proceedings: The person must declare that they are not currently under investigation or facing legal proceedings that could lead to criminal consequences.
  - Bachelor or Master of Science in: Mathematical Engineering, Biomedical Engineering, Physical Engineering, Industrial Engineering (Aerospace, Mechanical, Energy, Nuclear, etc.), Mathematics, Physics, Computer Science, Computer Engineering, Data Science and Scientific Computing, or equivalent Degree.
  - English skills: advanced oral and written comprehension, academic writing, presentations skills.

- **Funded by:**

Finanziamento PNRR Missione 4, Comp 2, Invest  
1.5\_ECS\_00000043\_INEST: Interconnected Nord-Est Innovation Ecosystem  
(S9) CC5 Young Researchers - finanziato dall'UE – NextGenerationEU - dott.  
Africa,  
CUP: G93C22000610007, R\_PNRR\_INEST\_CC5\_YR\_MATE\_Africa\_1005

Applications and all the required documents must be sent by 12<sup>th</sup> December  
2024, 01:00 p.m. through the online procedure available at the following link:

For further information, please contact [phd@sissa.it](mailto:phd@sissa.it)

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