PUSH THE FRONTIERS OF LIFE SCIENCES – DATA & CORRELATION SOFTWARE FOR MULTIMODAL IMAGING ACROSS SCALES.
COMULISglobe aims at developing novel correlative will consolidate and extend a collaborative and innovative network that promotes MultiModal Imaging and analysis across scales (MMI) from biological research to clinical diagnostics and establish a global multimodal imaging association (COMULISglobe) to ensure long-term sustainability. MMI integrates the best features of combined techniques and overcomes limitations faced when applying single modalities independently. MMI relies on the joint expertise of biologists, physicists, clinicians, and computer scientists, and depends on coordinated activities and knowledge transfer between technology developers and users. To achieve this inherently interdisciplinary goal, it is indispensable to establish a network of scientists across continents and disciplines, from academia and industry, including transnational research facilities (e.g., synchrotrons, Euro-BioImaging ERIC), to foster and market MMI as a versatile tool in biomedical research and diagnostics. We will capitalize on COMULIS, a European initiative (www.comulis.eu), and extend it globally and sustainably. The network will raise awareness of the manifold benefits of MMI, train researchers, and promote a scientific mindset enthusiastic about interdisciplinary imaging and analysis. The MMI network will help bridge the gap between biological and clinical imaging, identify, fund, and showcase novel multimodal pipelines, and develop, evaluate, and publish correlation software through dedicated networking activities, including conferences, training schools, open databases, and fellowships for lab exchanges, access to research infrastructures, and conference attendance. **We are looking for**

A Research Scientist in Image Processing (1.5 years, E13, 25%)

To help us drive software development and data handling strategies in multimodal imaging.

Key responsibilities & Qualifications
For the implementation of the project, according to your skill set and interests, you will work on **developing, managing & benchmarking correlation software.**

Your primary responsibilities will include:
* Benchmarking correlation software;
* Organizing a benchmarking and image registration challenge;
* Driving software correlation;
* Driving automatic segmentation and co-registration of bioimages;
* Identifying & developing data handling strategies to deposit multimodal imaging data in public archives & repositories;
* Drafting publications, presentations and homepage entries.

Your qualifications should include:
* Master's degree in computer engineering, physics, or similar
* Proven experience in image and data processing
* Prior experience in bioimaging across scales and correlation is a plus
* Highly proactive, driven, and independent team player

How to apply
If you are interested in R&D and administration of image and data processing in multimodal bioimaging and want to help push the frontiers in life sciences, we look forward to receiving your application (motivation letter, CV, reference letters or contact list of referees, and any other relevant information). Please send in one pdf file to **Andreas Walter [andreas.walter@hs-aalen.de]** by **September 1st, 2023.** For further information about the position please contact Prof. Dr. Andreas Walter.