

Ph.D. research topic

- Title of the proposed topic: **Joint Learning from Medical Images & Text Reports – application to Ultrasound Imaging**
 - Research axis of the 3iA: *AI for Integrative Computational Medicine*
 - **Supervisor (name, affiliation, email): Nicholas Ayache, nicholas.ayache@inria.fr**
 - Potential co-supervisor (name, affiliation): Hervé Delingette (Inria) and Anne-Laure Rousseau (AP-HP)
 - The laboratory and/or research group: Epione Project-Team at Inria
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Apply by sending an email directly to the supervisor.

The application will include:

- Letter of recommendation of the supervisor indicated above
 - Curriculum vitæ.
 - Motivation Letter.
 - Academic transcripts of a master's degree(s) or equivalent.
 - At least, one letter of recommendation.
 - Internship report, if possible.
- ⇒ **All the requested documents must be gathered and concatenated in a single PDF file named in the following format: LAST NAME of the candidate_Last Name of the supervisor_2023.pdf**
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- **Description of the topic:** following the seminal PhD work of Hind Dadoun, we will explore original methods to learn a joint representation from medical images & associated radiological reports. We will exploit this joint representation to improve the automatic labeling of new images with the objective to assist an operator during a radiological procedure and also for the development of new training tools.