

## AI:X LAB PROPOSAL

This five-page form will guide you through the application process. You will need to provide information on the co-applicants and your proposal for a mentor. Next, you need to provide a name for your proposal and a popularized description. Finally, you need to Articulate the scientific value, the Interdisciplinary Approach, Relevance and Societal Impact, and Team Composition and Collaboration.

If you have questions, please write to [aix@aau.dk](mailto:aix@aau.dk)

## GENERAL INFORMATION ABOUT APPLICANTS AND MENTOR

Provide basic information about your application, including the names of the co-applicants. You also need to provide the date of your PhD degree and the number of weeks of absence if any (Maternity/parental leave, illness or family care leave, leave for military service, humanitarian work).

You will need to indicate that your Head of Department has approved the proposal (this is a requirement). You also need to provide the name of a suggested mentor who must be a **professor**.

### APPLICANT A

Enter data about the applicant

1. Full name: \*
2. E-mail: \*
3. Current position: \*
4. Department: \*
5. The date of obtaining your PhD degree, as stated on your diploma: \*
6. Number of weeks of actual leave of absence since PhD degree if any \*
7. Has your head of Department approved this proposal: \*
8. Where is your primary contribution to the Lab? \*
  - a. AI-focused
  - b. AI-integrated
  - c. Not sure
9. Short 2-page CV for Applicant A: (Non-anonymous question) \*

### APPLICANT B

Enter data about the applicant

10. Full name: \*
11. E-mail: \*
12. Current position: \*
13. Department: \*
14. The date of obtaining your PhD degree, as stated on your diploma: \*
15. Number of weeks of actual leave of absence since PhD degree if any \*
16. Has your head of Department approved this proposal: \*
17. Where is your primary contribution to the Lab? \*
  - a. AI-focused
  - b. AI-integrated

c. Not sure

18. Short 2-page CV for Applicant B: (Non-anonymous question ) \*

## MENTOR

Enter data about your mentor

19. Full name: \*

20. Department: \*

## GENERAL INFORMATION ABOUT YOUR LAB

AI:X-Lab is our framework for fostering cross-disciplinary collaboration in AI, where the 'X' represents the intersection of diverse fields. These labs bring together researchers from two disciplines to tackle complex challenges, leveraging AI as a unifying tool. We invite proposals for new AI:X-Labs that explore innovative synergies between AI and other domains, pushing the boundaries of research and practical applications. Name your Lab. Examples include **AI:FLUID**, **AI:Sensors-Lab**, **AI:Law**, etc.

21. Name: \*

22. Popularised description of your AI:X-Lab (Max. 500 characters): \*

## Articulate the Scientific Value

Demonstrate the scientific value of your AI:X-Lab by addressing the following aspects:

- **Originality:** Clearly explain how your AI:X-Lab will push the boundaries of the field or address critical knowledge gaps. Highlight the unique contribution your Lab aims to make.
- **State-of-the-Art Contribution:** Show how your research is grounded in the latest developments and how it builds upon or surpasses existing work. Provide specific examples of how your Lab will advance the state-of-the-art.
- **Feasibility:** Present a well-defined hypothesis or key research questions. Connect these to a practical, coherent research plan that outlines how your Lab will achieve its goals.
- **Outcomes:** Describe the expected outcomes of your Lab's work and provide a clear pathway to success, including milestones and measurable deliverables.

23. Scientific Value description (Max. 3000 characters): \*

24. References (Max. 1000 characters):

## Interdisciplinary Approach

Demonstrate how your AI:X-Lab leverages interdisciplinarity to enhance research outcomes:

- **Integrate Diverse Fields:** Explain how your project brings together distinct disciplines in a meaningful and effective way.
- **Highlight Added Value:** Show the specific advantages gained by combining disciplines. Describe how the collaboration enriches your research approach, strengthens your methodology, or leads to innovative solutions.

Your proposal should demonstrate that cross-disciplinary collaboration is not just a formality but a core element of the research, contributing significantly to its success and impact.

25. Interdisciplinarity description (Max. 1000 characters): \*

### **Relevance and Societal Impact**

In your proposal, demonstrate the significance and potential impact of your AI:X-Lab by addressing the following:

- **Show Potential for Impact:** Highlight the practical benefits, such as improving societal well-being, creating innovative solutions for industry, or advancing knowledge with measurable outcomes.

26. Impact description (Max. 500 characters): \*

### **Team Composition and Collaboration**

Your proposal should outline the composition of your team and how it supports the interdisciplinary goals of the AI:X-Lab:

- **Diversity of Expertise:** Demonstrate how your plans to enable innovative cross-disciplinary collaboration. Ensure your proposal reflects collaboration and complementary skills to drive the success of the lab's mission.

27. Team description (Max. 500 characters): \*