

The professional profile of PhD-holders

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Post-doctoral position

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Thesis defended : Wed 29 Apr 2026 MMSB, CNRS France

Core business

PHASE 3 Skill development

I find it easy to develop and maintain my network; at my institute, I got into the habit of visiting different laboratories based on their expertise to support a new experiment or question on my topic. This allowed me to develop collaborations directly during my thesis and to have access to many methods that were not yet used in my host laboratory. During meetings and conferences, I came into contact with many scientists, which allowed me to quickly expand my international network and also to position myself in a way that made me easily memorable, for example by participating in the organization of the jury for awards.

PHASE 2 Evaluation

During my thesis, I had to reevaluate the results and direction of the subject several times because the results obtained did not confirm our hypotheses. I then organized meetings within our laboratory during which I proposed other strategies, some of which required resources outside the laboratory's area of expertise. Together with our collaborators, I participated in the decision-making process prior to the meetings, and I presented and interpreted the results.

PHASE 2 Information management

My thesis topic had precedents dating back more than four years before my arrival, so throughout my thesis I created and maintained a database on the laboratory network containing operating procedures, various classified and coded biological materials, and clear summaries of the results obtained using the method in question. I also began an exhaustive classification of proteins from the same family as our proteins of interest in order to facilitate comparisons and take stock of knowledge in the field. From the beginning of my thesis, I set up a monitoring system for new articles published on PubMed in order to stay abreast of new knowledge related to my topic.

PHASE 2 Expertise and methods

When I wanted to develop my subject further, I became interested in other areas that my laboratory was not an expert in, such as microscopy. In order to carry out the experiments in the best possible conditions, I collaborated with other teams at my institute and with those in charge of the microscopy platform. I also did a lot of bibliographic research to determine the operating procedure and compare the tests. I also began a review of my subject during my thesis, for which I needed to create a phylogenetic tree. So I first conducted bibliographic research, then met with a doctoral student in the field to learn more about the method to follow.

Personal and relational qualities

PHASE 2 Communication

I have presented scientific papers at international conferences (Innsbruck ABC meeting 2025) and national events (Fête de la Science 2023 and 2024, ABC meeting Paris 2023, APPICOM 2023 and 2024) in the form of oral presentations and posters. I trained colleagues in methods that I was an expert in at the lab so that they could apply them to their own work or continue the

experiments after I left the lab. I also trained and supervised two interns (a master's student and a bachelor's student) in different methods of manipulation, in their scientific approach, and in reporting their findings.

PHASE 1 Collaboration

PHASE 2 Analysis, synthesis and critical thinking

During my thesis, I was able to bring new perspectives to my project in order to advance and cover more aspects of it, for example by using microscopy to get as close as possible to an in vivo context for my bacterial protein. As already mentioned, several results did not allow us to confirm some of our hypotheses, and I was able to defend these results to my peers in order to change their perspective and move the project forward.

PHASE 3 Open-mindedness and creativity

PHASE 1 Commitment

PHASE 1 Integrity

PHASE 2 Balance

PHASE 3 Listening and empathy

I have always taken particular care to ensure that everyone involved in a project is thanked or recognized for their contribution. I value and use nonviolent communication at work, and I have always pushed for conflicts to be discussed and for common ground to be found between both parties.

PHASE 2 Negotiation

During my thesis, I disagreed with one of my supervisors about the interpretation of a result. After taking his comments into account, I was able to refine my results and convince him of their relevance.

Business management and value creation

PHASE 2 Project management

PHASE 2 Managing change

PHASE 1 Managing risks

PHASE 3 Decision-making

PHASE 2 Obtaining and managing funding

PHASE 1 People management

PHASE 1 Intellectual and industrial property

Strategy and Leadership

PHASE 1 Strategy

PHASE 1 Leadership