

The professional profile of PhD-holders

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Core business

PHASE 2 Skill development

During my PhD, I structured my professional development by defining clear, achievable objectives while maintaining ambitious scientific goals. I regularly assessed my competencies to identify areas for improvement and proactively undertook targeted training to strengthen my performance. I deliberately expanded my skillset beyond my initial training by working at the interface of chemistry and biology and integrating new experimental and computational tools. I incorporated feedback from my supervisors and mentors to adjust my strategy and improve efficiency.

PHASE 2 Information management

I conducted a comprehensive state-of-the-art analysis to define the scientific context, identify knowledge gaps and position my work. I authored a scientific review article on a specific topic, which required extensive bibliographic research, critical evaluation of sources and rigorous organization of information. I implemented structured methods for data organization, storage and archiving, and paid attention to reproducibility, traceability and data integrity.

PHASE 2 Expertise and methods

I developed this skill by working at the forefront of knowledge in my field, collaborating with experts in GPCRs and photopharmacology. I regularly conduct literature research to stay up-to-date with the latest advances and strive to apply cutting-edge innovations to my work. This allows me to formulate complex research questions, adapt methodologies effectively, and guide colleagues in using the most relevant techniques to improve their skills and performance.

Personal and relational qualities

PHASE 2 Communication

I developed a strong ability to adapt my communication to diverse audiences and contexts. I presented my work at international conferences through poster sessions and scientific discussions with experts. I also delivered presentation in front of a multidisciplinary scientific audience. Training in science communication further enabled me to present my research in an accessible way to non-specialists, notably through outreach-oriented publications on professional social media. These experiences strengthened my ability to communicate clearly and effectively with both expert and lay audiences in interdisciplinary environments.

PHASE 2 Collaboration

During my PhD, I developed and maintained collaborative working relationships within multidisciplinary teams, particularly at the interface of chemistry and pharmacology. My research is conducted within a structured international partnership, through a joint PhD between two laboratories in different countries. I actively contribute to collaborative projects by aligning my

work with shared objectives while taking into account methodological and organizational constraints specific to each partner. This experience has enabled me to assess the benefits and limitations of partnerships and to adapt my approach to ensure effective and coherent collaboration.

PHASE 1 Analysis, synthesis and critical thinking

I regularly analyze my own experimental results as well as data generated by collaborators. I demonstrate strong synthesis skills by identifying and clearly formulating key findings and by prioritizing information according to project objectives. I apply rigorous and non-dogmatic scientific reasoning, critically assessing hypotheses and adapting my viewpoint when data or alternative approaches require it. This ensures robust interpretation of results and sound decision-making

PHASE 1 Open-mindedness and creativity

My academic and professional path reflects strong open-mindedness. I have worked across multiple disciplines—from physics-chemistry to engineering and finally biochemistry—and in diverse contexts, including public research, industry, and an international co-supervised PhD in two countries. My experience as a military reservist further exposed me to people from varied social, cultural, and professional backgrounds, strengthening my flexibility to collaborate with different perspectives.

PHASE 1 Commitment

I developed this skill through my long-term commitment to my PhD, maintaining motivation and focus despite the inherent challenges and setbacks of research. At every stage of my academic journey, I have consistently aimed for excellence, learning from mistakes and using feedback from peers to improve. I also demonstrated engagement in collaborative settings, contributing actively while balancing routine tasks with ambitious research goals.

Business management and value creation

PHASE 1 People management

Through my research activities and external engagements, I have gained experience working within teams and supporting others in their tasks. I actively contribute to a positive team dynamic by integrating effectively into collective work and recognizing the contributions of peers. I have experience supporting and assisting others, notably through the supervision and training of junior members (e.g. students and new entrants), and by reporting clearly on my activities to supervisors. My engagement as a reservist has also strengthened my ability to build trust with peers and hierarchy, act responsibly, and respect rules related to safety, equality, and non-discrimination.