The professional profile of PhD-holders

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Core business

PHASE 2 **Evaluation**

As part of my doctoral training, I actively contributed to the scientific and organizational progress of our research group. I regularly evaluated the outcomes of my experimental work and those of colleagues through internal discussions, lab meetings, and collaborative assessments, ensuring alignment with project objectives and timelines. I participated in the internal review of proposals and manuscript drafts, offering critical feedback and helping refine scientific arguments—even in areas outside my direct expertise, such as polymer chemistry and photophysics. This broadened my analytical capabilities and deepened my understanding of interdisciplinary research. I also encouraged a culture of reflection and evaluation among my peers by initiating group disc

Personal and relational qualities

PHASE 1 **Communication**

Throughout my doctoral project, I have developed strong communication skills, regularly presenting my research progress through written reports, scientific publications, and oral presentations in seminars and international conferences. I adapt my language and level of detail to suit diverse audiences, from expert chemists to interdisciplinary collaborators. I am proficient in multiple modes of communication, including scientific writing, poster presentations, digital tools for data visualization, and collaborative platforms.

PHASE 1 **Analysis, synthesis and critical thinking**

As part of my doctoral research, I critically analyze both my own experimental data and those generated by collaborators, ensuring the reliability and coherence of scientific findings. I routinely synthesize complex datasets into clear, concise conclusions, and prioritize information depending on research objectives and contexts. My work involves the formulation and evaluation of scientific hypotheses, which I approach with objectivity, free from preconceived assumptions or ideological bias. I strive to maintain intellectual flexibility, regularly re-evaluating interpretations in light of new evidence or alternative perspectives, and adapting my approach accordingly. This critical and rigorous mindset, combined with the ability to distill essential insights

PHASE 2 **Open-mindedness and creativity**

Throughout my doctoral training, I have consistently explored related scientific domains to enrich the scope and impact of my research. I proactively formulate new research directions aimed at addressing key scientific questions, and I approach challenges with curiosity and a critical mindset, fostering an environment of open inquiry within my team. I contribute to the design and execution of interdisciplinary projects, drawing on the expertise of collaborators from diverse scientific and cultural backgrounds. This experience has strengthened my ability to act as a constructive innovator—proposing bold yet feasible ideas and bridging knowledge from different fields. In addition, I have developed a strong international perspective through collaborative work a

Business management and value creation

PHASE 1

Project management

As part of my doctoral research, I plan and manage experimental projects by aligning them with strategic scientific goals, time constraints, and resource availability. I take into account quality requirements, deadlines, and budget limitations while defining clear project specifications and experimental protocols, similar to drafting technical requirement documents. I am fully responsible for the efficient use of laboratory resources, coordination with collaborators, and delivery of high-quality results within planned timelines. When faced with unexpected outcomes or challenges, I adapt quickly by proposing alternative approaches while maintaining the project's scientific integrity.

PHASE 1

Producing results

Throughout my PhD, I have developed the ability to translate scientific ideas into concrete, innovative outcomes. I actively design and implement early-stage experimental prototypes to validate hypotheses, integrating feedback from supervisors, collaborators, and, where relevant, potential end-users to refine the system. I systematically analyze initial test results to guide subsequent iterations and optimize performance. These early findings inform both the direction of the research and the potential applications beyond the lab.

Strategy and Leadership

PHASE 1

Strategy

As a doctoral student, I have developed a strong awareness of how my research aligns with the strategic goals of my laboratory and contributes to broader scientific and technological priorities in the field. I understand the positioning of my work within the institutional framework and how it supports long-term innovation and development in the chemical sciences. I am attentive to the roles and stakes of various stakeholders—be they academic, industrial, or institutional—and I engage proactively with supervisors, collaborators, and administrative teams to ensure that my research is well-supported and strategically relevant.