

# The professional profile of PhD-holders

**Malena PÉREZ LORENZO**

## Immunology and human genetics

I am a Spanish researcher doing her PhD in France, at the Imagine Institut. This is my third year specializing in Human Genetics and Infectious Diseases.

malena.perez-lorenzo@institutimagine.org

: [https://www.linkedin.com/in/malena-p%C3%A9rez-lorenzo-1859901a9/?msgControlName=view\\_message\\_button&msgConversationId=2-NDQ2ZDM0](https://www.linkedin.com/in/malena-p%C3%A9rez-lorenzo-1859901a9/?msgControlName=view_message_button&msgConversationId=2-NDQ2ZDM0)

### Core business

#### PHASE 1 Skill development

*Sets his professional goals to be ambitious yet realistic.  
Identifies and develops means to enhance his employability throughout his career; manages his professional development.  
Broadens and upgrades his skillset, personal qualities and achievements.  
Uses his networks to expand his scope of competence.  
Knows how to transfer his expertise to other fields of activity.  
Realizes the necessarily international dimension of his career path.  
Accepts input from a mentor or coach to benefit his professional development.*

#### PHASE 1 Evaluation

*Evaluates the value of various documents concerning his field of expertise.  
Is able to judge his own results in terms of both quality and added value.  
Is willing to expose ideas to a critical audience; takes others' opinions of his work into account.  
Is willing to evaluate the work of other contributors and provides reasoned, realistic judgments of others' work.*

#### PHASE 1 Information management

*Knows how to review the state of the art (SOTA) in a scientific topic.  
Makes efficient use of information-gathering methods, identifies pertinent resources, particularly bibliographic resources.  
Masters web-based research (e.g., bibliographic databases, patent databases)  
Knows how to judge the pertinence of information, critique sources and check source reliability.  
Designs and implements information-gathering and management systems using suitable technology.  
Addresses issues relating to the security and life cycle of data.  
Seeks out support from experts in information and data management.*

### Personal and relational qualities

#### PHASE 2 Communication

*Adapts his register to communicate with experts in other fields at both the national and international levels.*  
*Masters communication techniques for various contexts and media.*  
*Communicates effectively when addressing a diverse and lay audience.*  
*Knows how to address a community of professionals.*  
*Educates and trains his staff in the use of digital communication technologies.*  
*Is able to work and lead a group in at least English and one other world language.*

## **PHASE 2 Collaboration**

*Collaborates with people/teams who play a pivotal role on the global scale.*  
*Leads networks and helps to institute dialogue between different entities.*  
*Knows how to establish partnership relations with people working outside his field.*  
*Has the ability to co-produce results and/or innovations.*

## **PHASE 2 Analysis, synthesis and critical thinking**

*Knows how to apply his analyzing and synthesizing abilities to new fields.*  
*Takes ownership of new analytical methods.*  
*Has a novel and independent way of thinking and makes significant contributions.*  
*Questions “business-as-usual” scenarios in his activity.*  
*Advises his staff to help them develop their own capacities of analysis and synthesis.*  
*Stimulates critical thinking among his peers and his staff.*

## **PHASE 2 Open-mindedness and creativity**

*Explores related fields.*  
*Conceives new projects to find answers to essential questions.*  
*Encourages his staff to seek challenge, be curious and engage in scientific questioning.*  
*Defines and carries out innovative interdisciplinary projects with the help of contributors from various backgrounds.*  
*Serves as a vector of innovation, a realistic visionary, a constructive agitator.*  
*Encourages creativity and innovation among his staff.*  
*Has acquired professional experience abroad in a culture other than his own.*

## **PHASE 2 Commitment**

*Can picture himself in other contexts; applies his commitment and motivation to other activities and fields of expertise.*  
*Perseveres in his undertakings and projects; paves the way for other staff and supports them.*  
*Inspires the enthusiasm and commitment of his staff.*

## **PHASE 1 Integrity**

*Respects the standards and practices of his entity.*  
*Demonstrates integrity in the processing and dissemination of data.*  
*Demonstrates integrity with respect to his partners' or competitors' contributions in accordance with intellectual property rules.*  
*Upholds the confidentiality and anonymity of subjects taking part in studies and research.*  
*Honors his commitments and ensures the congruence between actions and words.*  
*Declares any conflict of interest.*

## **PHASE 1 Balance**

*Is aware of his aptitudes, knows how to take advantage of them and demonstrate them.*  
*Expresses himself relevantly, confidently and didactically.*

## Business management and value creation

*Recognizes the limits of his knowledge, skills and expertise, and knows where to find support when needed.*  
*Is able to consider his practices and experience as part of the bigger picture.*  
*Develops his strengths and knows how to correct his weaknesses by seeking the opinion of others.*  
*Is aware of the need to reconcile career and personal life.*  
*Develops mechanisms to cope with pressure and seeks support when needed.*

### **PHASE 2** Listening and empathy

*Knows how to engage in active listening in various situations.*  
*Is careful to take his contacts' needs and frame of reference into account.*  
*Expresses gratitude regularly.*  
*Takes the needs of his staff into consideration, is sensitive to signs of stress and able to provide support and advice when needed.*

### **PHASE 1** Negotiation

*Is able to detect people's unstated needs based on the requests they formulate.*  
*Knows how to reconcile the drivers, requirements and constraints of his contacts to reach a consensus, and is able to gather all the information needed to do so.*

### **PHASE 1** Project management

*Plans projects to meet goals in accordance with strategy and priorities, and taking quality, deadline and budget constraints into account.*  
*Knows how to write specifications.*  
*Is accountable for resources used and for meeting the deadlines and quality requirements of the deliverable.*  
*Reacts efficiently and appropriately to change and unforeseen events.*  
*Conducts his project within a framework of auditing and evaluation, deploying the appropriate systems.*

### **PHASE 1** Decision-making

*Knows how to make appropriate decisions for each phase of his project.*  
*Assists his line management in making major decisions (e.g., reporting, scenarios)*

### **PHASE 1** People management

*Has experience with teamwork; knows how to encourage, support and recognize the contributions of each player.*  
*Knows how to be a team player.*  
*Is able to win the trust of his peers and his line management.*  
*Can report on his activities.*  
*Supports his peers when needed and can provide assistance.*  
*Understands human resources policies and management tools such as recruitment, evaluation, remuneration and strategic workforce planning.*  
*Takes safety, social responsibility and labor law requirements into account.*  
*Upholds rules on non-discrimination and equal opportunity among employees.*

### **PHASE 1** Producing results

*Knows how to transform ideas into innovations.*

*Quickly deploys prototype and test phases; involves internal and external customers in these phases.*

*Learns the lessons of the initial tests.*

*Understands the policies and processes involved in publishing and exploiting research outcomes in his entity.*

*Is able to determine the most appropriate means of exploiting his results (e.g., patent, publication).*

## Strategy and Leadership

### PHASE 1 Leadership

*Exercises leadership in connection with a project of which he is in charge.*

*Knows how to be persuasive and enlist support for a project*

*.Mobilizes skills for a project of which he is not in charge; manages human resources even when people do not officially report to him.*

*Builds alliances.*

*Establishes relationships based on trust.*

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