

# Pharmaceutical Development – How did I get here?

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## **Dra. María Caballo González**

Senior Scientist Formulation Development & Pilot Plant

### **Academic history:**

Degree in Pharmacy

Master degree in “Pharmacy and Pharmaceutical technology”

Master degree in “Pharmaceutical industry and formulation”

Doctor of Pharmacy, PhD. “Study about new ophthalmological liposome formulations. Application for Dry Eye Disease”.

### **Professional experience:**

Pre-doctoral Research Fellow

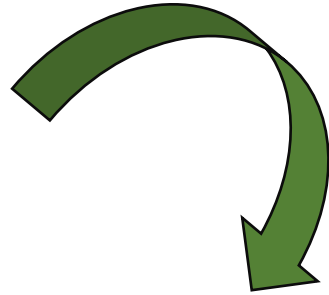
Pre-doctoral Research Collaborator

Pre-doctoral Research

Senior Scientist Formulation Development & Pilot Plant. Bayer HealthCare.

# Pharmaceutical Development – What it is?

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**Development a new  
products**

**Manufacturing process desing**

**Technical support**



About me

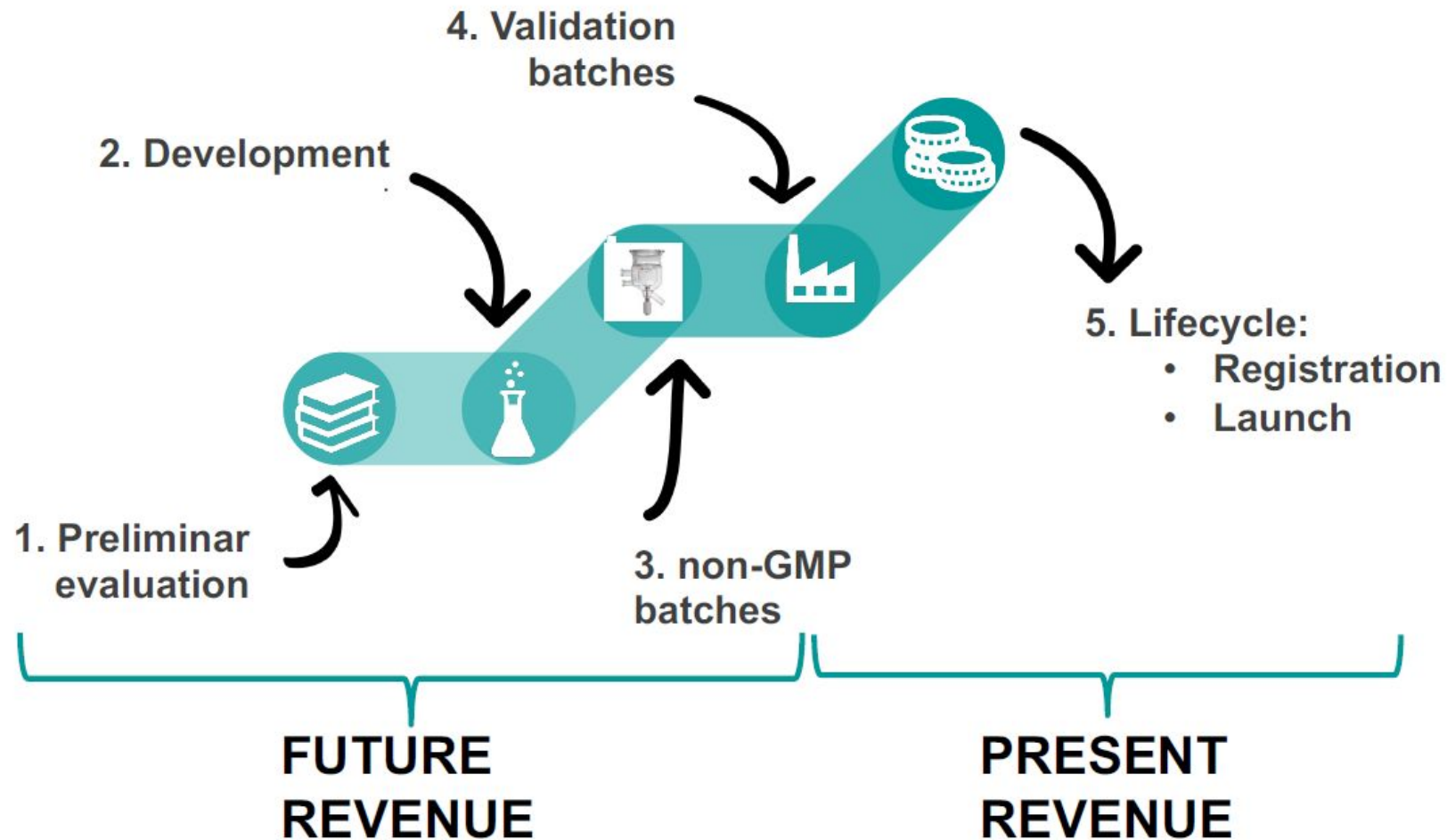
**What**

How

Who

About you

# Pharmaceutical Development – How development new product?



# Pharmaceutical Development – Who is involved?

## Innovation & Development

### Project Manager

New Project selection  
Regulatory affairs  
Life cycle management



### Formulation Development

Search raw materials  
Laboratory trials (DoE)  
Pilot plant  
Transfers  
Validations



### Analytical Development

Define specifications  
Analytical method set up  
Validation analytical methods  
Stability & bioequivalence



About me

What

How

Who

About you

# Pharmaceutical Development – What is the market looking for?



## HARD SKILLS

Degree in Science such as:

- Chemistry
- Biology
- Pharmacy
- Biochemistry
- Nanoscience
- ...

High English level

**Necessary**

- Master with high % in-company
- Experience in foreign country
- PhD

**Valued**



## SOFT SKILLS

- Attention to detail
- Teamworking skills
- Critical analysis / Problem solving skills / common sense
- Initiative
- Analytical skills
- Positive mind (do not give up on failures)
- Creative

**Necessary**