

ESITI CLINICI: UN IMPEGNO ED UNA RESPONSABILITÀ CONDIVISI



10° CONGRESSO NAZIONALE SIFaCT

24-26 novembre 2022  
Centro congressi Fontana di Trevi  
Roma



**Clinical pharmacy education: the French model**

**Pr Angelo PACI**

# Clinical pharmacy education: the French model

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# AGENDA

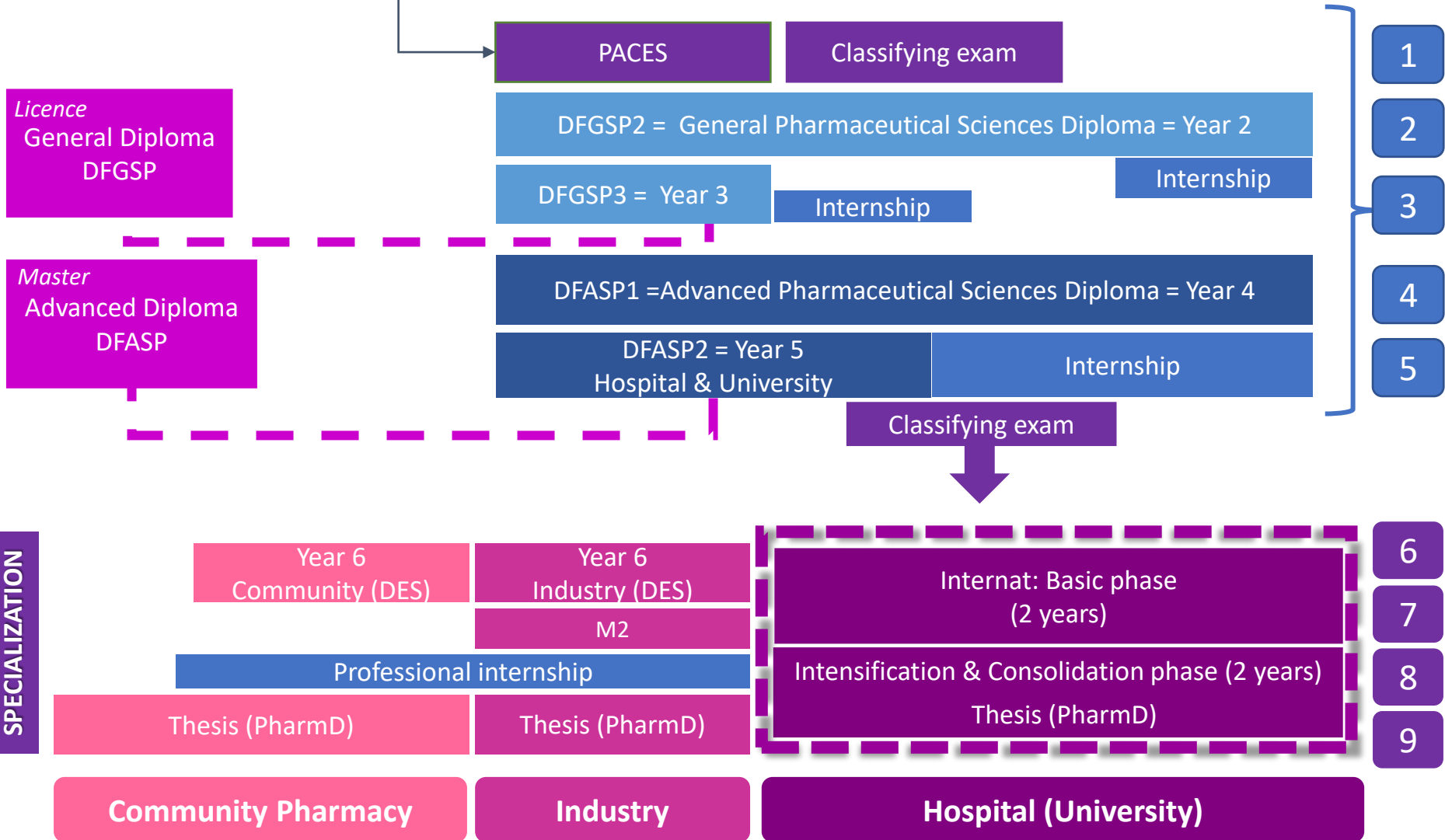
- **General** Pharmacy Education in France
- **Specialized** Pharmacy Education in France
- **Activities** in an Hospital as Pharmacist in France

# AGENDA

- **General Pharmacy Education in France**
- Specialized Pharmacy Education in France
- Activities in an Hospital as Pharmacist in France

# Pharmacy Education in France

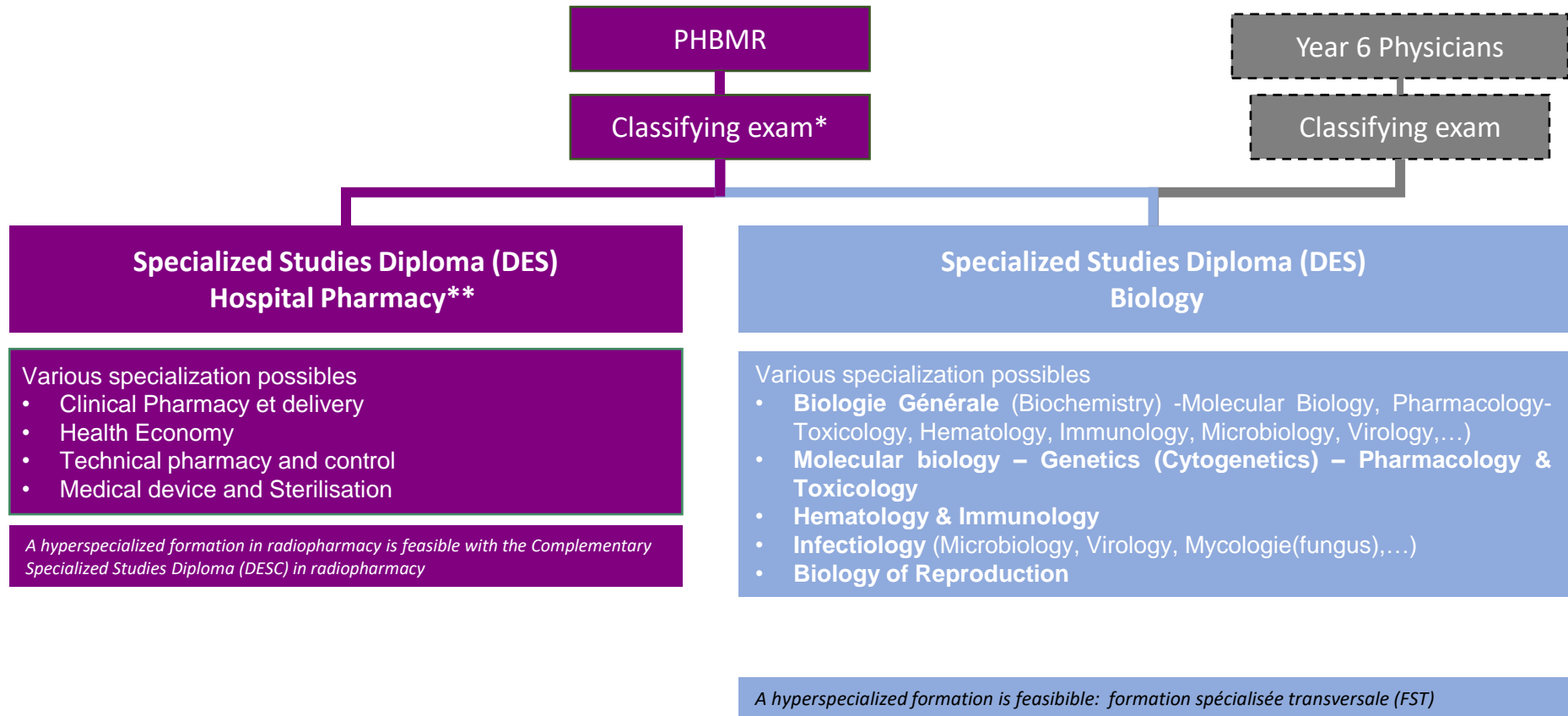
Dopo la maturità



# AGENDA

- General Pharmacy Education in France
- **Specialized** Pharmacy Education in France: Focus on Hospital
- Activities in an Hospital as Pharmacist in France

## Hospital pharmacy, biology, research (PHBMR)



\*Only two possibilities.

\*\* The DES (Diplôme d'Etudes Spécialisées) in Hospital Pharmacy is mandatory to work in a PUI (=Pharmacie a Usage Intérieur = Pharmacy department in an Hospital) since **september 2016**. Cette exclusivité d'exercice est encadrée par le Décret n° 2015-9 du 7 janvier 2015 (JORF du 09/01/2015) relatif aux conditions d'exercice et de remplacement au sein de PUI.

# Specialized Pharmacy Education in France: Hospital careers

## Basic phase

Clinical Pharmacy

Medical devices  
Sterilization

Technical Pharmacy  
& Control

Free choice

## Intensification phase

General Hospital  
Pharmacy

Development & Safety of Health Products  
(DSPS)

Radiopharmacy

## Consolidation phase

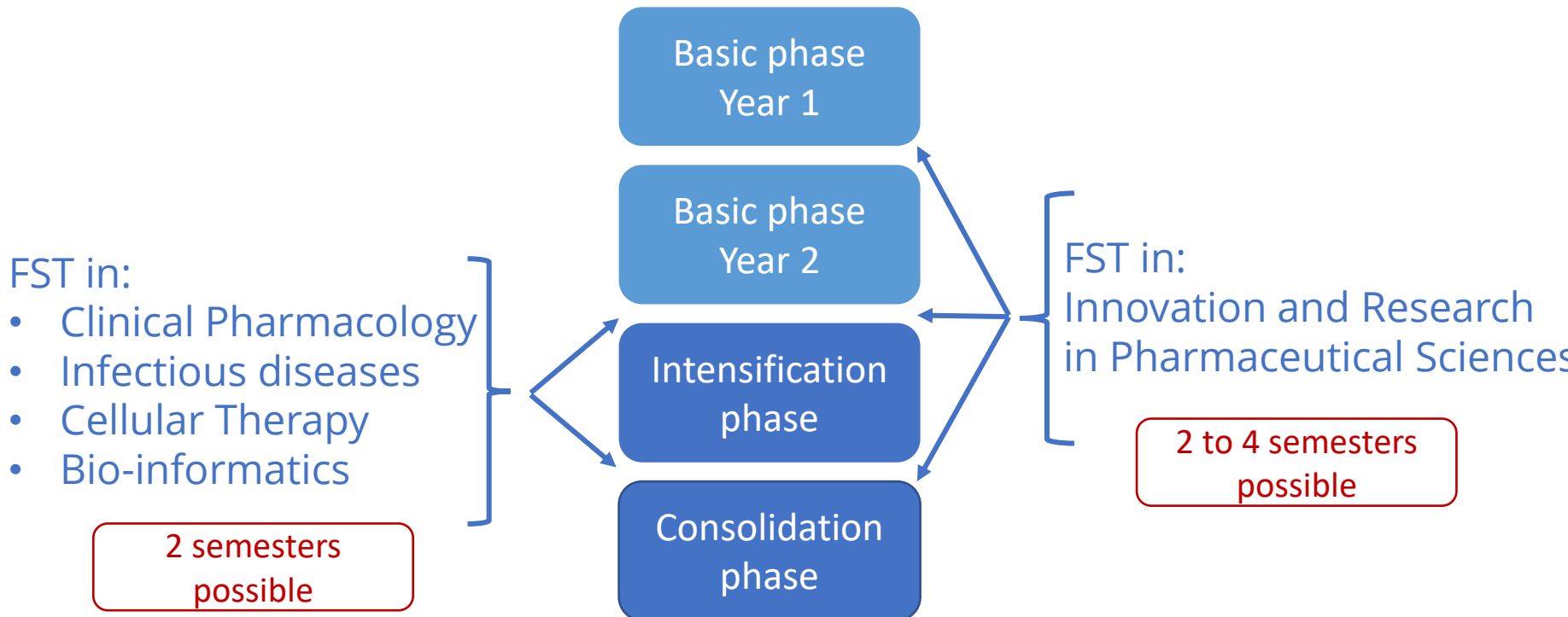
General Hospital  
Pharmacy

Development & Safety of Health Products  
(DSPS)

Radiopharmacy

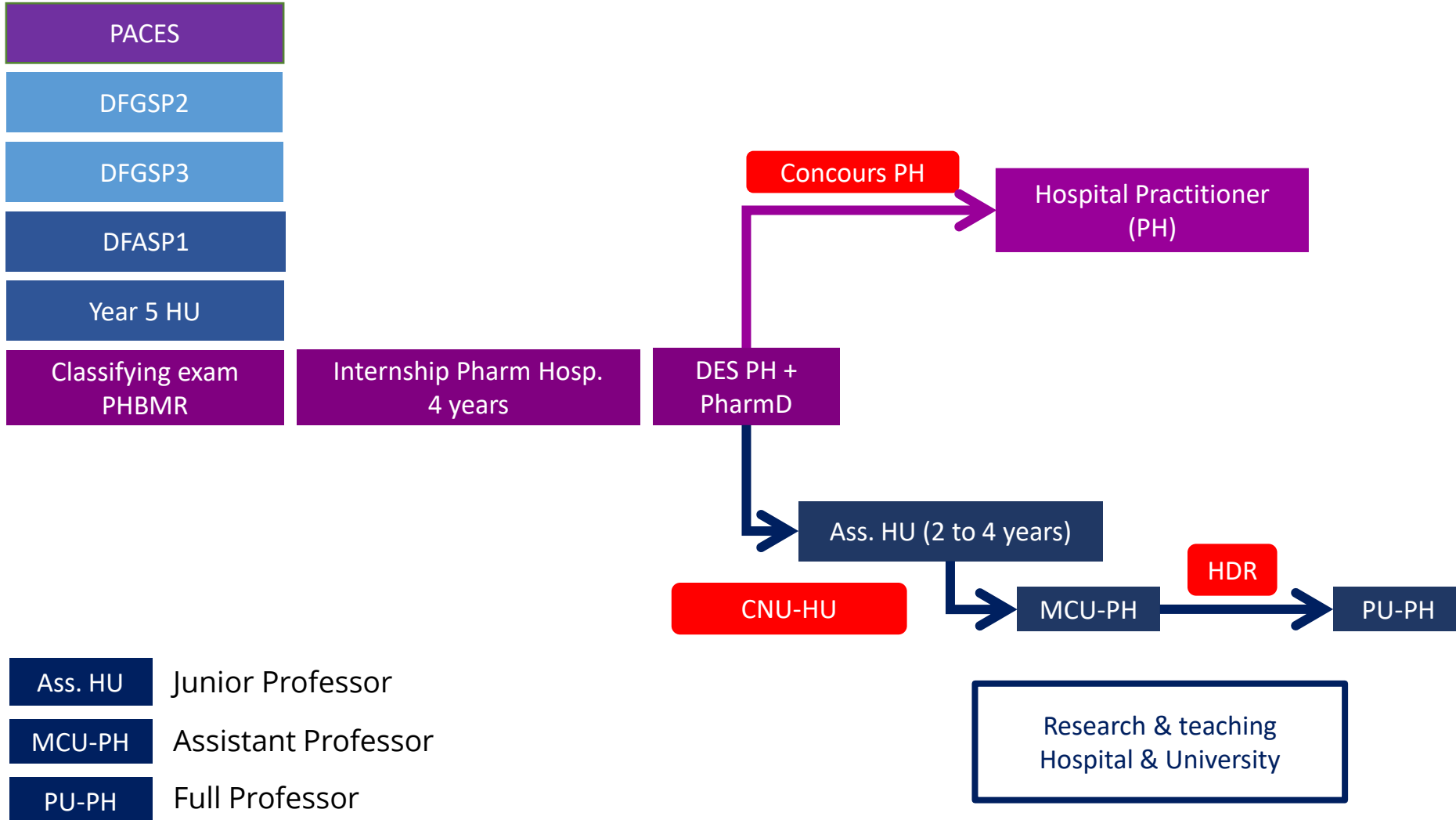


## Transversal Specialized Learnings (Formations Spécialisées Transversales)



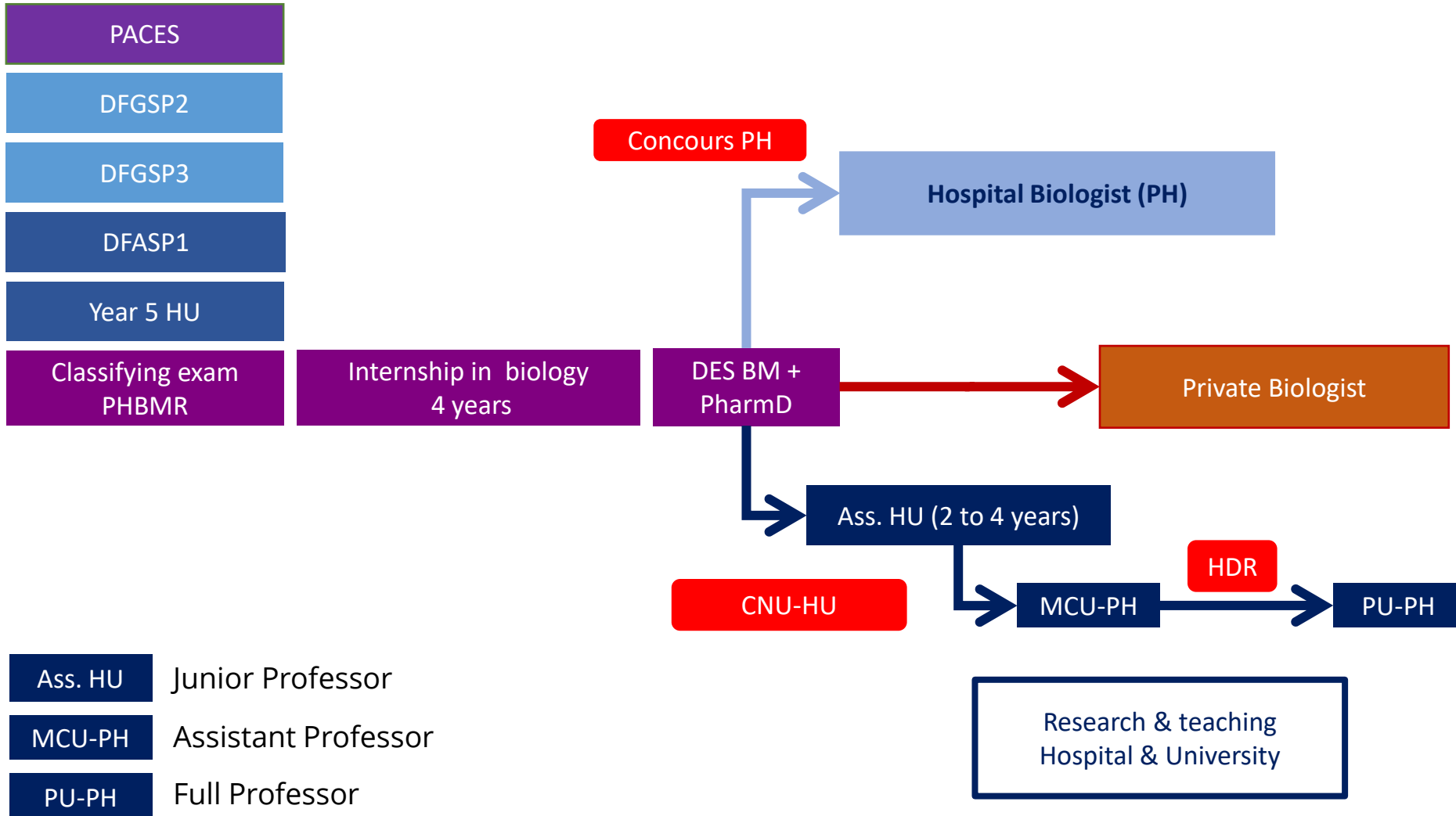
# Specialized Pharmacy Education in France

## Hospital pharmacy

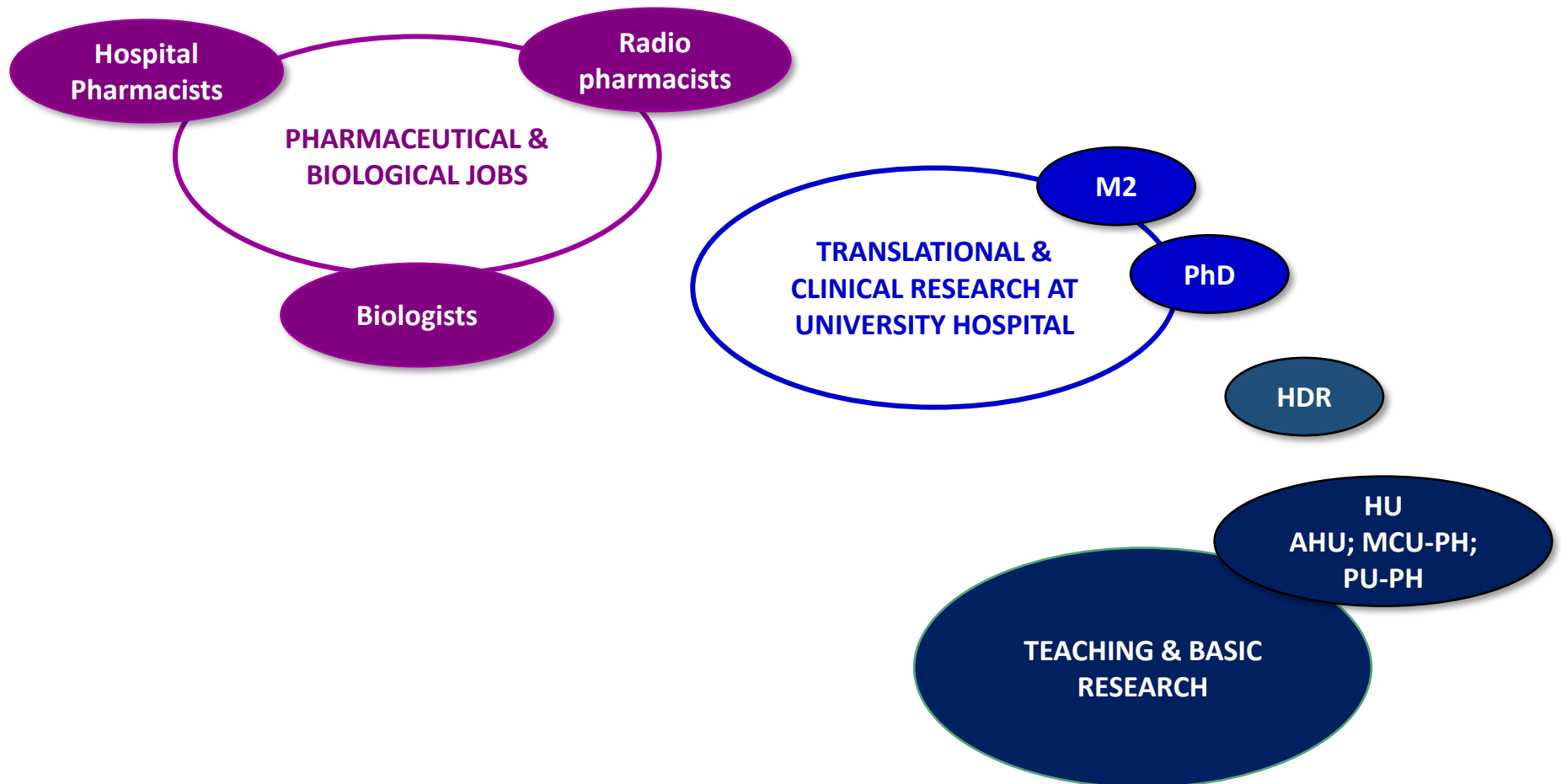


# Specialized Pharmacy Education in France

## Biology



## Hospital pharmacy, biology, research (PHBMR)



# AGENDA

- General Pharmacy Education in France
- Specialized Pharmacy Education in France
- **Activities in an Hospital as Pharmacist in France**

# Activities in an hospital as Pharmacist in France: Pharmacist

## ACTIVITIES IN A HOSPITAL PHARMACY DEPARTMENT

### MANDATORY ACTIVITIES (Routine)

**OPTIONAL ACTIVITES**  
Authorization to be request

#### MANAGEMENT

- Purchasing
- Supply

#### CLINICAL PHARMACY

- Delivery
- Therapeutic Education
- Health alerts

#### INFORMATION & FORMATION

- Nurses
- Technicians
- Administratives

#### PRODUCTION

- General Preparations

#### PRODUCTION

- Chemotherapy unit
- Parenteral nutrition
- Preparation for clinical trials
- Preparation for hospital drugs
- Sterilization
- Radiopharmacy unit

# Activities in an hospital as Pharmacist in France: Biology

## ACTIVITIES IN AN HOSPITAL BIOLOGY DEPARTMENT

### MANDATORY ACTIVITIES (Routine)

#### GENERAL BIOLOGY

- Blood count formula
- Biochemistry

#### MICROBIOLOGY

- Bacterias
- Viruses
- Fungus

### SPECIALIZED ACTIVITIES

#### SPECIALIZED BIOLOGY

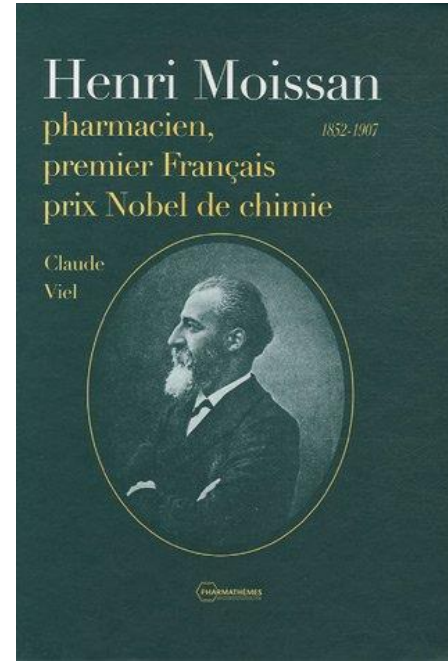
- Molecular medicine
- Pharmacology
- Genetics

#### HEMATOLOGY - IMMUNOLOGY

- Blood count formula
- Immune Cells  
determination
- Cytokines release

#### REPRODUCTION

- In vitro fertilization



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