



# THU BA TO *Pharmacist – Researcher*

*Curious and result-oriented young researcher  
Experienced in drug delivery and innovative pharmaceutical  
formulations, especially for insoluble drugs*

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## EDUCATION

Dec 2021 - now

**Doctoral program - Université Paris – Saclay**

- Health and Drug sciences
- Innovative Thérapeutique : du fondamental à l'appliqué (ITFA)
- Graduate in December 2024

2019 - 2020

**Master 2 - Université Paris – Saclay**

- Pharmaceutical Technology and Biopharmacy
- GPA: 14.89/20, rank 5/16

2019 - 2020

**Master 2 - Université de Paris**

- Drug quality control
- GPA: 16/20, rank 1/14

2013 - 2018

**Bachelor – Hanoi University of Pharmacy**

- Pharmaceutical industry
- GPA: 3.56/4, top 6%

## ACHIEVEMENT

- Scholarship for Excellent students in Bachelor programme (250\$ - (5 consecutive years)
- University Paris-Saclay scholarship for international student (Master 2) (10 000 €)

## REFERENCE

- Dr. Julien NICOLAS  
CNRS Research Director, Galien Paris-Saclay Institute Faculty of Pharmacy, Paris-Saclay University.
- Dr. Simona MURA  
Galien Paris-Saclay Institute, Faculty of Pharmacy, Paris-Saclay University
- Dr. Emilie ROGER,  
Laboratoire MINT - INSERM U1066 - CNRS 6021, Angers university.

## RESEARCH EXPERIENCE

**PhD Project - Nanoformulation of promising molecules to overcome antibiotic resistance**

- Develop suitable formulation for poorly water-soluble drugs
- Optimize formulations using Design of experiments
- Synthesize the pro-drug formulations
- Investigate the interaction of nanoparticles and coronaprotein
- Characterize nanoformulations by DLS, TEM, SEM
- Investigate drug release, *in-vitro* and *in-vivo* assay

**Assistant Engineer – CDD contract - Development liposome-based formulation for peptide encapsulation adapted to oral administration**

- Optimize peptide-encapsulated liposome-based formulation for oral administration
- Characterize nanoformulation/ study the degradation of NPs in simulated physiological media

**Assistant Engineer – CDD contract - Encapsulation within nanoparticles of promising molecules for the treatment of antibiotic resistance**

- Develop suitable formulation for poorly water-soluble drugs

**Master internship - Co-delivery Nitric Oxide and Camptothecin by organosilica particles**

- Development nitric oxide donor formulation combined with anticancer drug to enhance the therapeutic index
- Follow up the release of drug from nanoformulations
- *In-vitro* efficacy test in cancer cells

**Final graduated thesis - Quantitative determination Acid Lipoic in Pharmaceutical & Biological fluids by Voltammetric Techniques**

- Develop new sensitive & precise method to quantify acid lipoic
- Compare new method and HPLC

Dec 2021 - now

Graduate in Dec 2024  
(France) Institut Galien  
Université Paris-Saclay

Jan – July 2021

(France) Laboratoire MINT  
Université d'Angers

Sep – Dec 2020

(France) Institut Galien  
Université Paris-Saclay  
INRAE

Feb – Aug 2019

(Taiwan) Yang-Ming  
University

Jan – June 2018

(Hanoi) Hanoi University  
of Pharmacy

## KEY SKILLS

### ❖ HARD SKILLS

- Drug delivery formulation: drug encapsulation
- Characterization techniques of nanoparticles: DLS, NMR, SEM, TEM, NTA
- Analytical techniques: HPLC, TLC, Fluorescence and UV-Vis Spectrophotometry, NMR
- Cell culture, cytotoxic assay (MTT)

### ❖ LANGUAGES

- English: fluently
- French: conversational
- Vietnamese: native

### ❖ SOFT SKILLS

- Adaptability
- Independent thinker, autonomy
- Team spirit
- Time/work management
- Communication skills

### ❖ COMPUTER SKILL

- Microsoft office
- Endnote, Zotero, Inkscape
- Graphpad prism, Lightroom