



Clemence SCHVARTZMAN

Second year Master student
Double degree in chemistry and material science
University of Liege/ Technische Universität Darmstadt

Application for a PHD position in functional artificial cells from compartmentalized polymersomes



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Born on the 3rd of April 1997 in Hong Kong
Driving License

PROFESSIONAL SKILLS

General chemistry education: organic and inorganic chemistry, polymers, characterization (courses and lab)

Organized, methodical, persevering: experiences in foreign universities, lab work

EDUCATION

2019-2020

University of Liège - Belgium

Second year of Master degree in Chemistry
FAME Master – Graduated with “Distinction”

2018-2019

Technische Universität Darmstadt - Germany

First year of Master degree in Materials Science
Double degree FAME Master - Functionalized Advanced Materials Engineering - Erasmus Mundus Program

2017-2018

Aberdeen University - Scotland

Third year of Bachelor degree in Chemistry - Erasmus program
Bachelor with Honours "Satisfactory", ranking 30/124

2015-2017

University of Bordeaux

First and second years of Bachelor degree in Chemistry

June 2015

General and technological French Scientific Baccalauréat

Lycée de l'Assomption – International section
Honours "Good"

2009-2012

Middle school in American Section

Collège Alain-Fournier/Magendie

1997-2002

Primary school in Hong Kong

French International School of Hong Kong

LANGUAGES

French

Mother tongue

English

Fluent (International Schools, Master FAME - lectures and exams in English) (TOEFL, Cambridge certificates)

Spanish

Intermediate B1 (Dele certificate)

German

Beginner A1

IT

Libre office and pack office

EXPERIENCE

January-today 2020 Master Thesis

CERM, University of Liège – Pr. Christine Jérôme

Formulation by a continuous process of microparticles loaded with a lipophilic ingredient in a degradable polymer allowing fast release and fast particle degradation

-thesis part of a collaborative project between several universities and industrials

Characterization: SEM, NMR, DSC, TGA, GPS, UV-Vis

April-July 2019 Research Lab - Internship Trainee

Functional Materials, Technische Universität Darmstadt –

Pr. Gutfleish and Dr. Semih Ener

Mechanochemical synthesis of hard magnetic rare earth-transition metals systems

-Work on high temperature permanent magnets for various applications (wind turbines, motors...)

-Mechanochemical synthesis

-Research on phase materials presenting high anisotropy field, high saturation magnetization and high Curie temperature

Characterization: SEM, EDEX, XRD, magnetic characterization

May-July 2018 End of Bachelor Internship

ICMCB-CNRS, University of Bordeaux – Pr. Graziella Goglio

Hydrothermal Sintering of Ceramics

-Hydrothermal sintering on phyllosilicates

-Fundamental study to understand the role of water on the microstructure during the process

-Use of natural materials, kaolin, and new synthesis method

Characterization: TGA, XRD, Cool-SPS (observation)

ACTIVITIES

Summer jobs

VIP greeter at the Roland Garros (Paris) tournament and at the wine exhibition Vinexpo (Bordeaux)

Humanitarian project in a retirement home

Sports

Tennis and swimming (8 years), Krav Maga (3 years), Swing dance

Hobbies

Piano (6 years), drawing/painting (15 years), travelling: Hong Kong, China, Thailand, Malaysia, Indonesia, Philippines, Sweden, Finland, Denmark, Switzerland, Spain, USA, Australia, England, Belgium, Germany, Scotland, Luxembourg, Netherlands, France.

REFERENCES

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