



Arthur BASSOT

Looking for Post-doctoral position in 2020



PROFESSIONAL EXPERIENCES

26 years
Driver's licence

● **Cardiovascular, Metabolism, Diabetology and Nutrition laboratory (CarMeN) - INSERM U1060**

Time : Internship Matser 2 (6month) and PhD - 3years

2016-19

Lyon,
France

Themes : *Mitochondria-ER-associated membranes (MAMs) role and plasticity on hepatic glucosis and lipid metabolism*

Key word : - NO (Nitric oxide) - hepatic insulin resistance - MAMs
- Lipid metabolism - hepatic steatosis - MAMs

Project 1 : *Nitric oxide (NO) controls hepatic insulin response by MAMs interactions through sGC/cGMP/PKG pathways*

Project 2 : *Role of MAMs in the regulation of hepatic lipid metabolism*

Technics :

- Cell culture : Maintenance of Huh7, HEK293, primary rat hepatocytes. Infection and transfection with gene tools (siRNA, plasmids, adenovirus), FACS.
- Proteomics : Extraction of mouse liver RE, mitochondria and MAMs fraction, protein assay, western blot.
- Genomics : RNA and DNA cells or tissue extraction, RT-qPCR, primer design.
- Lipidomics : thin layer chromatography, biochemical lipid assay, FACS.
- Imagery : proximity ligation assay, fluorescence microscopy, electronic microscope analysis.
- Respiration : oxygraphy on Huh7 or primary rat hepatocytes
- Biochemical : Amplification of plasmids or adenovirus.

● **Ecology of Natural Hydrosystems and Anthropized Research laboratory - CRNS U5023**

Time : Internship M1- 6 weeks

2015

Lyon,
France

Theme : « *Muscular bioenergetic plasticity during nutritional transitions in the growing duckling* »

Technics : Muscle fibers permeabilisation and isolation, Oxygraphy (Oroboros 2K), statistics, maintenance of ducklings

● **Plant Biology applied to aromatic and medicinal plants laboratory - CRNS U3727**

Time : Internship L3 - 3 weeks

2014

Saint
Etienne,
France

Theme : « *Impact of proline on water stress in lavender* »

Technics : Proline determination (amino acid), spectrometry, preparation of reagents; statistical analyzes.

CONTACT



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CONGRESS



● **JEDISS** (PhD school's day) October 2018 – Lyon, France – Oral presentation

● **EASD** (E.U. association for diabetes) October 2018 – Berlin, Germany - Poster presentation on my project 1

● **EMBO workshop** (MAMs and cellular contact site association) September 2018 – Arosa, Swiss - Flash oral and poster presentation on my project 1

● **SFD** (Francophone Society of Diabetes) March 2018 – Nantes, France – Oral presentation on my project 1.

● **AFERO** (French Association for Obesity) January 2018 – Lyon, France – Poster presentation on my project 1

● **Nutrition Foundations** November 2017 – St Galmier, France – Oral presentation on my project 2



COMMUNITY LIFE

- **Member of the organizing committee of "the Doctoral School's day"** (EDISS) – 2017-2018 and 2019 – Sponsor search, booklet printing, welcome, speaker during the meeting sessions

- **Member of the organizing committee of "AFERO 2018"**– organisation of the gala – welcoming guests, managing questions during presentations

- **Vice Chairman** of the student association « **MADE** » - St Etienne, France 2013-2014 – Organisation of student parties, animations, equipment loan



SUMMER JOB

- **Delivery man** - july 2015 – Boulanger – Roanne, France – Delivery of household appliances

- **Warehouseman** - june/july 2014 – SARL Bonnabau – Le Coteau, France - Painter Manufacturing and Inventory Management

- **Warehouseman** - june/july 2013 – ETS TAD – Le Coteau, France – Shipping and fabric making

- **Receptionist** - july 2012 – ETS Dansard – Mably, France – Service and wedding-planner

- **Warehouseman** - july 2011/2010 – Ferme Collet – Renaison, France – Yogurt making



SPORT

Rugby (7years) – ASR – Roanne : capitain (2009) / départemental team (2006-10)



EDUCATION - DEGREE

- **PhD: 3rd years** - In progress ...

- **Animal bio-experimentation degree (B Level) - With honours**
Claude Bernard Lyon 1 University

Project management, ethic, legislation, animal restraint.

- **Master 2 Cardiology and Nutrition (RCMN) - With honours**
Claude Bernard Lyon 1 University

Metabolic and nutritional diseases (diabetes, dyslipidemia and obesity) and their cardiovascular complications studies (myocardial infarction, stroke, heart failure)

- **Master 1 Physiology and Neuroscience (BIPN) - With honours**
Claude Bernard Lyon 1 University

Cardio-vascular Pathophysiology - Metabolism - Pharmacology - Endocrinology - Electrophysiology - Cellular Biology - Aging Physiology - Biostatistics - Scientific Communications

- **Licence's degree of cell biology and physiology - With honours**
Jean Monnet St Etienne University

Cardio-vascular Pathophysiology - Metabolism - Pharmacology - Endocrinology - Electrophysiology - Cellular Biology - Aging Physiology - Biostatistics - Scientific Communications

- **PACES (first shared year to health studies)**
Jean Monnet St Etienne University

Human anatomy, ethics in research, biocell, biochemistry, clinical studies



TEACHING – FORMATION

- **Teaching of Anatomy : First year psychomotor students**
Sciences and techniques of rehabilitation institute Lyon 1 University

Creation of tutorials, multiple choices questionnaires and puzzles, use of 3D video supports and skeletons

- **Teaching of Professional Projects : Licence in first year**
Claude Bernard Lyon1 University

Professional situation exercices, oral evaluation, files corrections

- **Welcoming of « un peu de bon sciences » students (1 week)**
CarMeN Laboratory, INSERM U1060

Reception of high school students from disadvantaged neighborhoods in the laboratory, science popularization, scientific project creation



COMPETENCE



LANGUAGES

French ●●●●●●●●
(Mother tongue)

English ●●●●●●●●
(TOIEC, B1 level)

Italian ●●●●●●●●
(bachelor's degree level)



SOFTWARE

Statview ●●●●●●●●

GraphPad ●●●●●●●●

Image J ●●●●●●●●

Excel ●●●●●●●●

Powerpoint ●●●●●●●●

2016-19

2017
Lyon,
France

2015-16
Lyon,
France

2014-15
Lyon,
France

2011-14
Saint
Etienne,
France

2010-11
Saint
Etienne,
France

2016-18
Lyon,
France

2016-18
Lyon,
France

2017
Lyon,
France