

Experience on bacterial pathogens and antibiotics

Relevant Skills

since 2015 <i>1 year</i>	Post-doctoral fellow - Jacobs University, Bremen "Sensing antibiotic permeation in Gram-negative bacteria" <ul style="list-style-type: none">■ Develop fluorescent biosensors for the detection of antibiotic in bacteria and optimize chromogenic assays for measuring bacterial antibiotic uptake■ Work in a European private-public partnership (IMI Translocation): monthly reports and discussions in phone conferences, presentation at annual congress■ Local contact of a S2 laboratory (maintain GLP, update legal documentation)■ Organizer of weekly sub-group meetings■ Supervisor of Bsc / Msc students■ Involved in grant writing	 <ul style="list-style-type: none">✓ Private/public partnership✓ European collaboration✓ Multi-task management✓ Initiative
2011 - 2014 <i>3 years</i>	PhD candidate - Institute for Structural Biology, Grenoble "Pneumococcus Morphogenesis and Antibiotic Resistance" <ul style="list-style-type: none">■ Identified the primary protein target of β-lactams in the pneumococcus■ Developed a biochemical assay for measuring β-lactam inhibition <i>in vitro</i>■ Worked with chemists, biophysicists, biochemists and microbiologists■ Obtained a grant from 'la région Rhône-Alpes' (100,000 €)■ Authored 5 peer-review papers (2 as first author)■ Presented seminars & posters in French & English (poster prize)■ Hosted a game of scientific communication to highschool students	 <ul style="list-style-type: none">✓ Antibiotic resistance✓ Multi-disciplinary✓ Recognized communication skills
2010 - 2011 <i>7 months</i>	Master thesis - National Institute of Hygiene & Epidemiology, Hanoi "The Epidemiology of Tuberculosis in North Vietnam" <ul style="list-style-type: none">■ Genotyped 221 bacterial isolates with limited budget■ Co-authored one paper	 <ul style="list-style-type: none">✓ Flexibility✓ Curiosity
2009 - 2010 <i>7 months</i>	Master thesis - Institute for Structural Biology, Grenoble "Isolation of Complexes of Morphogenesis Proteins in the Pneumococcus" <ul style="list-style-type: none">■ Isolated complexes of recombinant membrane proteins■ Optimized expression and purification: improved yield and purity	 <ul style="list-style-type: none">✓ Protein Biochemistry
2008 - 2009 <i>10 months</i>	Research assistant - Biological Sciences Dpt., University of Calgary, AB "Virulence of Bacterial Pathogens in Cystic Fibrosis" <ul style="list-style-type: none">■ Constructed bacterial genetic mutants - <i>P. aeruginosa</i>, <i>B. cenocepacia</i>■ Tested virulence in flies	 <ul style="list-style-type: none">✓ English

Diplomas

2014	PhD in Biochemistry and Microbiology - Université de Grenoble (France) - jury honors
2011	Master in Epidemiology - Kasetsart University (Thailand) and Université Montpellier 2
2010	Master in Biochemistry - University of Calgary (Canada) and Université de Grenoble

Additional skills and interests

Languages	English (fluent: 3 years of work abroad), French (mother tongue), Spanish-German (basics)
Software	MS Office, Image processing and analysis (Illustrator, Photoshop, ImageJ, Volocity)
Sports	Nature sports (amateur), slalom kayaking (3 years competition - France championship 2005)