

Tuan-Dung NGO (27 years old)

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Mail. ngotuandung1991@gmail.com
Nationality. Vietnamese

Biochemical and Biotechnology Engineer PhD in Microbiology

Competences

Techniques	<ul style="list-style-type: none">▪ Proteomics: Purification, chromatography, SEC-MALLS, CD, biochemical studies of protein-ligand interaction, ELISA, HTRF, Microscale thermophoresis (MST).▪ Molecular biology: Quick change, restriction enzyme, transformation, PCR, sequencing▪ Cellular biology and interaction of host-pathogens: Cellular culture, classic fluorescence microscopy and automated microscopy (high-content screening and analysis), LDH, MTT assays.
Informatics	<ul style="list-style-type: none">▪ Basic: Windows, Microsoft office, Inkscape, ImageJ, Image Lab and SnapGene▪ Programming language: R, R Markdown, Rcpp and use of Git version control▪ Other: HTLM, PHP and WordPress
Language	Vietnamese: Native French and English : Advanced level (reading, writing and speaking)

Working experiences

2015- 2018 (3 years)	PhD student: PBRC team, BCI lab, BIG, Grenoble Missions: <ul style="list-style-type: none">▪ Study the functioning of the Type III secretion system (T3SS) ATPase PscN in <i>Pseudomonas aeruginosa</i>.▪ Identify and characterize chemical compounds inhibiting the interaction of T3SS proteins.▪ Test the efficacy of chemical compounds on the protection of eukaryotic cells against infection by <i>P. aeruginosa</i>. Used techniques: <ul style="list-style-type: none">▪ Molecular biology, biochemistry and protein purification.▪ Cellular biology and interaction of host-pathogens▪ Data analysis: Excel and R langage
2015 (6 month)	Engineer trainee: PBRC team, BCI lab, BIG, Grenoble (Final internship) Mission: <ul style="list-style-type: none">▪ Definition and studies of the role of the T3SS ATPase in <i>P. aeruginosa</i> Used techniques: <ul style="list-style-type: none">▪ Molecular biology, Chromatography and protein purification
2014 (3 month)	Engineer trainee: Insa de Lyon (Internship of 4 years engineer student) Mission : <ul style="list-style-type: none">▪ Evaluate the performance of the UV disinfection reactor / H₂O₂ for the treatment of water. Used techniques: <ul style="list-style-type: none">▪ Bacterial viability tests, bacterial culture, fluorescence microscopy and HPLC

Education – Diplomas

2015 - 2018	PhD in microbiology graduated in the Doctoral school of Chemistry and Life Sciences of Grenoble.
2010 - 2015	Engineer of Biochemistry and Biotechnology graduated in “Institut National de Science Appliquée (INSA)” of Lyon.

Hobby et activities

Hobby	Sport : Football, Volley-ball, Tennis Film et cinema
Activities	<ul style="list-style-type: none">▪ Moderator (chairman) of young researchers meeting du BIG at CEA-Grenoble▪ Member de « Innovdoc », expertise of PhD student in the service of companies. https://www.innovdoc.org▪ Personal website: https://qcjun2191.github.io/index.html.

Supplementary information

Publications

Submitted in March 2019	Tuan-Dung Ngo., Sophie Plé., Aline Thomas., Caroline Barette., Antoine Fortuné., Younes Bouzidi., Marie-Odile Fauvarque., Rossimiriam Pereira de Freitas., Flaviane Francisco Hilário., Ina Attree., Yung-Sing Wong., and Eric Faudry. (2019). “ <i>Chimeric protein-protein interface inhibitors allow efficient inhibition of Type III secretion machinery and Pseudomonas aeruginosa virulence</i> ”. J.Am.Chem.Soc. IF 14.3
Envisaged (manuscript in preparation)	Tuan-Dung Ngo., Michel Ragno., Caroline Perdu., Bakhos Jneid., Andrea Dessen., Ina Attree., Arne Rietsch., and Eric Faudry. “ <i>The gate-keeper PopN complex acts on the ATPase PscN to regulate the T3SS secretion switch from early to middle substrates in Pseudomonas aeruginosa</i> ”

Communications

November 2018	Oral communication in the conference of SFM (Société Française Microbiologie), in Paris.
February 2018	Poster communication in the 19 th conference of VLM (Vaincre la Mucoviscidose) association, in Paris.
December 2017	Oral communication in the conference of G-RREMI (groupe Régional de Recherche en Microbiologie des Interactions), in Lyon.
February 2017	Oral communication and Poster communication in the « European Young Investigators Meeting 2017 on Cystic Fibrosis », in Paris.
February 2017	Poster communication in the 18 th conference of VLM (Vaincre la Mucoviscidose) association, in Paris.
April 2016	Poster communication in the « Type III Secretion System Meeting 2016 », Tübingen, Germany.
February 2016	Poster communication in the 17 th conference of VLM (Vaincre la Mucoviscidose) association, in Paris.

Personal qualities

Humanise	Rigorous, persevering, autonomous
Skill	Spirit of analysis and synthesis

References

PBRC team, BCI lab, BIG, Grenoble	<ul style="list-style-type: none"> ▪ Dr. Eric FAUDRY. E-mail: eric.faudry@cea.fr ▪ Dr. Ina ATTREE-DELIC. E-mail: ina.attree-delic@cea.fr
« Département de Pharmaco-chimie moléculaire, UGA, Grenoble »	<ul style="list-style-type: none"> ▪ Dr. Yung-Sing WONG. E-mail: yung-sing.wong@univ-grenoble-alpes.fr