

Université

de Strasbourg

International Doctoral Programme

2020' Renaissance cohort



Programme doctoral international
International doctoral programme

Pietro BELTRAMELLO

Doctoral School: ED 221 (Science de la société)

Research unit: UR 7308 – Laboratoire HuManiS
(Humans and Management in Society)

Supervisor: Prof. Jean-Philippe BOOTZ (Ecole de Management,
Strasbourg)

Nationality : Italian

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My name is Pietro Beltramello, I am 29 and I am a PhD student of the HuManiS research center at the Strasbourg Business School. With my thesis I strive to provide with an applied methodology to inspire systems thinking and the use of sustainability consistent framework to envision organization development. Moved by the desire to understand the logics that drive societies towards their development, I studied International Economics for my Bachelor's and Master's degree at the University of Padua. In that period, I did at Carlos III (Madrid) and at Hohenheim Universities (Stuttgart) an Erasmus exchange during a semester. These experiences allow me to practice foreign languages and to further nourish my concern about sustainability issues. To further mature my thought internationally and to develop proper sustainability skills, I choose to continue my study with a Master's degree in Bioeconomy at the University of Hohenheim. After an internship and an extensive field research in France, I decided to develop a meta-model to mobilize a sustainability consistent epistemology for the analysis of an international NGO. Finally, I was recruited by the same organization as responsible of the Pole of Research to perform action-research projects aiding in managing the institution. Meanwhile, I enjoyed sharing my research during workshops and academic conferences. Thanks to these experiences, I discovered a vocation for knowledge sharing and I appreciate the tremendous potential of cultural cross-contaminatio

Magdalena BRZEZINSKA



Doctoral school: ED 222 (Chemistry)

Research unit: Institut de chimie et procédés pour l'énergie, l'environnement et la santé (ICPEES)

Supervisors: Dr. Nicolas Keller (Unistra), Prof. Agnieszka Ruppert (Lodz University of Technology)

Nationality: Polish

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My name is Magdalena Brzezińska and I come from Poland. I did my bachelor in the field of chemical technology and my master in the field of nanotechnology. During my bachelor studies I took part in few scientific projects, and after them I realised three months abroad internship at Aachen University in Germany. I worked especially with obtaining important chemicals (materials for solvents, pesticides, dyes, etc.) from compounds which can be obtained from renewable sources, such as biomass and later, during my master studies I also took part in five months internship in France, at University of Strasbourg during which I worked with synthesis of the catalysts for biomass conversion, especially for obtaining fuels and biofuel additives. During all my studies I was a member of student's council. That allowed me to take part in the laboratory work as a volunteer- it was a good opportunity to take part in different scientific projects, to learn how to work in the laboratory, and to take part in conferences. Currently, I am realising PhD in joint PhD program between Strasbourg University and Lodz University of Technology.

Tatjana GERASIMOVA



Doctoral school: ED222 (Chemistry)

Research unit: UMR 7140 Chimie de la matière complexe (CMC)

Supervisors: Prof. Dr. Hellwig (Université de Strasbourg, Strasbourg, France), Prof. Dr. Friedrich (Albert-Ludwigs-Universität, Freiburg i. Br., Germany)

Nationality: Latvian

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Originally I come from Latvia, from the country located on the coast of the Baltic Sea. I have obtained my bachelor's degree in Riga. I have studied chemistry and was involved in research on antibiotics modification. Furthering my careers prospects, I moved to Germany to pursue my masters in science with major in biochemistry that I obtained at University Freiburg. Currently I am taking part in *cotutelle* program between University Strasbourg and University Freiburg. My research concerns study on the largest protein in the respiratory chain complex I. I am working on development of electrochemical and spectroscopic biosensors for the identification of inhibitors of the bacterial respiratory chain. I am fluent in four languages and currently practicing to improve my French. I am glad to be part of PDI programme and to be here in Strasbourg, in the heart of Europe. I am excited to join big international community and share experience with others.

Cédric HOUNNOU



Ecole doctorale: ED 519 Sciences humaines et sociales -
Perspectives européennes (ED SHS-PE)

Unité de recherche : UR 2310- Laboratoire Interuniversitaire des
Sciences de l'Éducation et de la Communication (LISEC)

Directeurs de thèse: Prof. Philippe Viallon (Université de Strasbourg),
Dr. Samuel Djengue (Université d'Abomey-Calavi, Bénin)

Nationalité : Béninoise

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Je m'appelle Cédric HOUNNOU, né le 23 mai 1987 à Cotonou (Bénin). J'ai intégré l'université d'Abomey-Calavi, la plus grande université du Bénin, en 2006. Je me suis inscrit au Département des sciences du langage et de la communication à la faculté des lettres arts et sciences humaines. Après l'obtention d'une licence en linguistique en 2010, j'ai soutenu en 2012 une Maîtrise en description linguistique. En 2015, j'ai concomitamment obtenu un Master en sciences du langage et un autre en science de l'éducation (Certificat d'aptitude au professorat de l'enseignement secondaire : CAPES) à l'école normale supérieure de Porto-Novo (Bénin). En novembre 2019, j'ai soutenu à l'école doctorale pluridisciplinaire « Espaces Cultures et Développement » de l'université d'Abomey-Calavi ma thèse de doctorat en sciences du langage avec la mention très honorable. En octobre 2019, à la même année, j'ai commencé une autre thèse de doctorat en sciences de l'information et de la communication qui est une cotutelle entre l'université de Strasbourg en France et celle d'Abomey-Calavi au Bénin. Cette thèse actuellement en cours porte sur « Les discours politiques à l'ère des nouveaux médias : le cas du Bénin ». Il s'agit essentiellement dans ce projet doctoral de mettre en exergue comment les médias ou réseaux sociaux

ont complètement révolutionné l'animation de la vie politique au Bénin.

Je dois préciser par ailleurs que sur le plan professionnel, depuis 2011, j'exerce le métier de journaliste professionnel en freelance. Depuis 2010, je donne des cours de langue française dans les lycées et collèges du département de l'Ouémé (Bénin) et plus récemment, depuis 2018, j'interviens en qualité d'enseignant-chercheur dans des universités du Bénin où je donne des cours en sciences du langage.

Thiago MOREIRA PEIRERA

Doctoral school: ED222 (Chemistry)

Research unit: UMR 7200 –

Laboratoire d'Innovation Thérapeutique

Supervisors: Dr. Martine Schmitt (Unistra), Prof. Kümmerle (Federal Rural University of Rio de Janeiro)

Nationality: Brazilian

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My name is Thiago, and I was born in Rio de Janeiro, Brazil. In my last year at secondary school I got passionate about chemistry. Since I've started my graduation course in Chemistry I realized that I was increasingly interested in Organic Chemistry field and the world of possibilities that it offers. Still during my graduation course, I took the decision of working as a student researcher in a Medicinal Chemistry laboratory by means of a scientific initiation program under supervision of Dr. Kümmerle. Over this period, I synthesized new compounds designed as fluorescent probes for transition metals (Fe^{3+} , Cu^{2+} , Zn^{2+} ..) with important biological roles and related to important pathologies such as Alzheimer's disease (AD), Parkinson's disease (PD), and Wilson's disease.

During my master's degree in chemistry I worked out in the synthesis of novel hybrid compounds designed to treat and diagnose the Alzheimer's disease. These compounds showed excellent inhibitory activity *in vitro*. Currently, my doctoral project is related to the synthesis of multifunctional compounds designed to treat Dementias (AD, PD), which is increasingly present in our society due to the increase in life expectancy and being one of the main causes of death in the world according to the WHO (World Health Organization). One of the main challenges of the thesis project is to synthesize new compounds with low structural complexity applying sustainable techniques, which fall within the green chemistry concepts.

Flávia NITTA FERNANDES

Doctoral School: ED 414 (Health and Life Sciences)

Research unit: UMR 7178 –

Institut pluridisciplinaire Hubert Curien (IPHC)

Supervisors: Dr. Céline LE BOHEC (Unistra),

Prof. Emiliano TRUCCHI (Università Politecnica Delle Marche, Italy)

Nationality : Brazilian

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My name is Flávia, and I am from Brazil. I am a Biologist and it was by the end of my Bachelor's degree that I discovered my love for penguins. In addition to the interest on penguins, I also developed a huge enthusiasm for Evolution and Ecology, in which I was able to do my Master thesis, at the University of Campinas in Brazil. My Master thesis was focused on studying the evolutionary and biogeographic history of the living penguins using genomic data. Although I performed all my previous educational formation in my home country, I have always wanted to carry out my academic studies abroad, and experience different cultural environments.

My master project fortunately granted me the opportunity of knowing the work of my Ph.D. supervisors: Dr. Le Bohec, who holds long term studies on the population dynamics of Subantarctic and Antarctic penguin species, and Prof. Trucchi (Italy) who is an expert in population genomics and evolution. Thus, I started my Ph.D. at the Università Politecnica Delle Marche, in Italy, in a joint agreement with Unistra in 2019. Currently I have started the second year of my Ph.D., in which I am studying how selection acts on the survival of king penguins in their early life and also how the strength of selection can act in different ways over chicks that are born early in the season compared with chicks that are born a month later.

Sandrine SANDJON



Doctoral School: ED 519

(Sciences Humaines et Sociales-perspectives européennes)

Research Unit: UMR 7367 Dynamiques Européennes (DynamE)

Supervisors: Prof. Aggée Célestin Lomo Myazhiom (Unistra)
and Prof. Frédéric Reichhart (Unistra)

Nationality: Cameroonian

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I'm called Sandrine Nkoualong Sandjon. I've always been interested in tourism/ travelling and in the different issues of disability. I left my native country Cameroon for Italy in 2012 in order to further my studies. I obtained my Bachelor's degree in Linguistic mediation for business and tourism in 2016 at the University of Trento. Besides my academic internship achieved at "APT" which is the tourism board of the city of Trento, my deep interest in the theme of disability led me to collaborate with the mental health center of Trento for 2 years. As a volunteer, I had the privilege to give a helping hand particularly with regards to the inclusion of people with mental impairment in to several aspects of social life. In October 2016, I decided to move to Bergamo where I enrolled for a Master's degree in Planning and Management of Tourism Systems curriculum "International Tourism and Local Governance". Thereafter, I was recommended by the responsible of the office in charge of students with disabilities of the University of Bergamo as an academic tutor for those students from October 2017 to August 2019. I discussed my MA thesis in July 2019 which was about people with disabilities and accessible tourism in Lombardy and in Veneto regions. In order to write it, I realized an empirical research,

conducting an internship in a social cooperative in the city of Verona, in the Veneto region, as well as a survey on the associations of people with disability in the Lombardy region. This research led onto my PhD project entitled: "Westerners tourists with disability in Cameroon: accessibility of territories, country planning and development of accessible trips." Basically, my investigation will pertain to the analysis of the tourism experience of westerners tourists with disability who visit sub-Saharan countries such as Cameroon; as well as the exploration of the tourism offer of Cameroon in order to identify the different tourism services, circuits and tourism practices that are able to meet the expectations of tourists with disabilities in that country. I'm looking forward to seeing the other members of this program.

Samira Sadat SOLTANI



Doctoral school: ED 413 (Earth and Environment Sciences)
Research unit: UMR 7517- Laboratory of Hydrology and Geochemistry of Strasbourg (LHyGeS) Supervisors: Dr. Marwan Fahs (Unistra), Prof. Behzad Ataie-Ashtiani (Sharif University of Technology, Iran).

Nationality: Iranian

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My name is Samira Sadat Soltani and I from Iran. After finishing the study on transverse dispersion and hydrodynamic around rigid cylinders in steady flow during my MSc in 2017 at Sharif university which is distinguished as the best university of Iran in engineering science, I started my PhD in 2017 again at Sharif university and then it changed to dual-degree PhD with Strasbourg university in 2019. Since my early years of study, the question of my future field of study and the profession was very important to me. During my university studies I found out, that I would like to specialize in developing techniques for monitoring and predicting water storage changes, focusing on the integrating satellite data products such as Gravity Recovery And Climate Experiment (GRACE) with hydrological models using data assimilation methods as a new research field. I selected satellite data assimilation as my major for PhD studies to develop techniques for monitoring and predicting water storage changes at regional and global spatial scales because water scarcity is a serious world issue.

Gaining an academic experience in an industrial country, France and joining this program would help me to make better contribution with international researchers and play a bigger role as a Civil engineer or Hydrologist.

Kasper WINTHER



Doctoral school: ED 414 (Life and Health Sciences)

Research unit: UPR 9022- Institut de biologie moléculaire et cellulaire

Supervisors: Prof. Jean-Luc Imler (Unistra), Prof. Rune Hartmann (Aarhus University, Denmark).

Nationality: Danish

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My name is Kasper Winther and I graduated as a molecular biologist from Aarhus University, Denmark in 2020. My master project was performed in the field of innate antiviral immunity. Fascinated by the subject, I chose to continue in this field and I am now starting on the first year of my PhD under supervision of Professor Jean-Luc Imler from Strasbourg University and co-supervision from Professor Rune Hartmann from Aarhus University in Denmark.

In my PhD project, I study the molecular events that occur inside the cells of our body when these are infected with viruses. Specifically, our cells can sense the presence of foreign DNA from viruses, and in turn use a series of molecules to alert the immune system in a process that is only partly understood. My project seeks to further our knowledge on these molecular events as these are important for activating the immune system when we are infected with viruses but are also involved in cancer and inflammatory diseases. Despite of what one might intuitively think, these molecular events are highly similar in most animals and I therefore conduct experiments in the cells of fruit flies in hopes that this can teach us more about what happens inside human cells.

Viktorii ZEMTSOVA

Doctoral school: ED 222 (Chemistry)

Research unit: Institut de Chimie

Supervisors: Prof. Elena R SAVINOVA, (University of Strasbourg) and Prof. Elena V. BOLDYREVA, (Novosibirsk State University)

Nationality: Russian

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I was born in a small town called “Kyzyl” in Russia. Since childhood, I like studying and gaining new knowledge about how the surrounding world works. That was the reason why I got enrolled in the boarding school for gifted children (Specialized Educational Scientific Center of Novosibirsk State University). Then I got into the Faculty of Natural Science of the Novosibirsk State University, where my thirst for new knowledge and activity helped me to achieve high results. Currently I continue my studies at NSU, I work at the Institute G.K. Boreskov SB RAS. At the present time, I am interested in mastering new physicochemical methods and improving my current abilities and skills. That is reason why I entered the university of Strasbourg under the joint supervision. My project will be devoted to the in situ and operando study of non-noble metal oxide catalysts for electrochemical oxidation of organic compounds.

However, my university life has never been limited with study and work. I have had the experience of traveling to several summer schools including cultural exchanges. In addition, I organize educational and scientific events. I am also teaching several courses at university and at school for gifted children. As for my hobbies, in my free time I like to paint with watercolors and participate in exhibitions of paintings.

Jasmine ZITELLI



Doctoral School: ED 519

(Human and social sciences- European perspectives)

Research unit: UMR 7044- Laboratoire Archimède,
archéologie et histoire ancienne: Méditerranée- Europe.

Supervisors: prof. Danièla LEFÈVRE-NOVARO (Unistra),
prof Pietro Maria MILITELLO (Università degli Studi di Catania, Italy)

Nationality: Italian

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My name is Jasmine, I'm 29 years old. I graduated with a master degree in Archaeology at the University of Catania, Sicily, Italy. I completed part of my studies at the University of Liège, Belgium. I took part in several archaeological projects in Sicily and in Crete as a team member of the Belgian School at Athens (Sissi Archaeological project 2015-2018). These internships allowed me to collaborate with people from different countries and backgrounds and inspired me to adopt a wide range of research approaches. Fascinated by ancient languages, I devoted my studies to the period of the Bronze Age in the Aegean world, especially in Crete.

My PhD thesis is focused on the Eteocretan inscriptions from Dreros and Praisos (eastern Crete), dated from the late 7th century down to the 3rd century BC, attesting an undeciphered language which is probably a survival of the languages spoken in Crete before the arrival of the Greeks. The aim of my research is to investigate the phenomenon of the bilingualism in Crete in the first millennium BC and the coexistence between different people and cultures.

This project will help to understand the social role played by the Eteocretans and the complex social structure of Crete in the early Iron Age. My research will involve several domains and, as a consequence, it will promote interdisciplinarity through collaborations with international researches.