
International

Doctoral Programme

2021' cohort

Programme doctoral international
International doctoral programme

AIONAEI Andrei

Doctoral School: ED 270 (Theology and religious studies)

Research unit: UR 4378 – TP Théologie protestante

Supervisors: Prof. Régine Hunziker-Rodewald,
Prof. Beat Föllmi (Unistra)

Nationality : Romanian

andrei.aioanei@etu.unistra.fr



My name is Aioanei Andrei, and I am a graduate of a computer science college and of an Orthodox theological faculty in Romania. During my studies in Old Testament theology, I developed a keen interest in studying Ancient Near Eastern societies and artificial intelligence techniques in the digital humanities. Therefore, I decided to further explore the interactions between these domains, as the current scientific research offers new perspectives. Thus, I chose to pursue a master's programme at the Faculty of Protestant Theology of the University of Strasbourg, France, where I am currently in the first year of my PhD. Under the coordination of R. Hunziker-Rodewald (Strasbourg), B. Föllmi (Strasbourg) and A. Aston (Oxford), I am working on my doctoral thesis, in which I study religions and material culture in the context of the ancient Southern Levant from a cross-disciplinary perspective that covers religious studies, anthropology and cognitive sciences. At the same time, I am part of a research team focusing on the application of computer vision and deep learning neural networks to letter and pattern recognition in ancient Near Eastern Aramaic inscriptions.

BOURGES-CELARIES Anna

Doctoral School: ED 520 (Humanities)

Research unit: UR 1337 - CL Configurations littéraires

Supervisors: Prof. Anthony Mangeon (Unistra),

Prof. Barbara Agnese (Université de Montréal, Canada)

Nationality : French

anna.bourges-celaries@etu.unistra.fr



Cotutelle PhD Student in Comparative Literature (Université de Montréal/Université de Strasbourg), Anna Bourges-Celaries' interest lies in exophony, translanguism and plurilinguism, with a focus on Japanese authors (Tawada Yoko, Shimazaki Aki and Mizubyashi Akira). Her thesis deals with the study of the exophonic practice in literature analysed through the perspective of Wilhelm von Humboldt's theory about the relationship between worldview and language 'Weltansicht'.

CHEBAN Andrei



Doctoral School: ED 269

(Mathematics, Information and Engineering Sciences)

Research unit: UMR 7357 – ICUBE

Laboratoire des sciences de l'Ingénieur, de l'Informatique et de l'Imagerie

Supervisors: Prof. Yannick Hoarau (Unistra),

Prof. Amir A. Gubaidullin (University of Tyumen, Russia)

Nationality : Russian

andrei.cheban@etu.unistra.fr

I am a second year PhD candidate in Fluid Mechanics in cotutelle between the University of Tyumen (Tyumen, Russia) and the University of Strasbourg (Strasbourg, France). I also hold the position of Head of Laboratory of Special Core Analysis at the Coretest Service Ltd. (Tyumen, Russia).

I obtained the solid grounding as a Bachelor of Science in Fundamental Physics at the University of Tyumen in 2017 and profound knowledge in the field of Computational engineering at a double master degree program between the University of Tyumen and the University of Strasbourg in 2019. It appeared of great use when writing research papers and participating in scientific conferences. I constantly try to combine my research work with my practical experience in oil and gas industry. The area of my scientific interests connected with the field of computational fluid dynamics, laboratory studies of oil and core, the development of hard-to-recover oil reserves, methods of enhanced oil recovery (EOR).

My scientific work as a PhD student belongs to the field of "Digital Core". This technology is based on the creation of a three-dimensional digital core model. Simulation results are used to determine the set of petrophysical characteristics of the core, as well as to test the EOR methods with mathematical modeling. This is intended to help solve such an urgent problem as improving the efficiency of hydrocarbon extraction from reservoirs.

CHEN Xianzhang

Doctoral School: ED 182 (Physics and Physical Chemistry)

Research unit: UMR 7504 – IPCMS

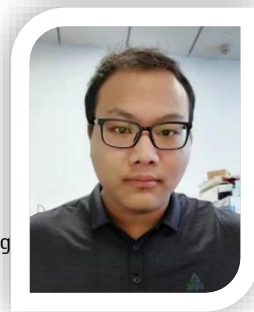
Institut de physique et de chimie des Matériaux de Strasbourg

Supervisors: Prof. Rodolfo Jalabert (Unistra),

Prof. Liang Huang (Lanzhou University, China)

Nationality : Chinese

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Xianzhang Chen received his Bachelor's degree in theoretical physics from Lanzhou University (Gausu, China). Since then, he started to work as a PhD student to explore magnetic transport in quantum dots in Prof. Liang Huang's group. In 2020, he has been awarded a scholarship under the State Scholarship Fund to pursue study in University of Strasbourg as a joint PhD student. Now, he study his research on the topic of theory of Scanning Gate Microscopy in graphene under the supervisor of Prof. Rodolfo Jalabert.

CHENEVIERE Clément

Doctoral School: ED 269
(Mathematics, Information and Engineering Sciences)
Research unit: UMR 7501 –

IRMA Institut de Recherche Mathématique Avancée

Supervisors: Prof. Frédéric Chapoton (Unistra), Prof. Christian Stump (Ruhr-Universität Bochum, Germany)

Nationality : French

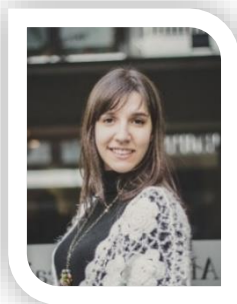
clement.cheneviere@etu.unistra.fr



After the highschool, I went to a prep school in Brittany, France, then after these two years and the national competitive exams I went to the ENS Cachan (which have been renamed ENS Paris-Saclay). There, I had my bachelor's degree in mathematics, then two years in a master degree in mathematics, and passed the agregation. I then took a year off and went in Istanbul, Turkey for one year where I was a lecturer in the Galatasaray University. I came back to France and followed a research master degree in mathematics and then started my PhD in Strasbourg under the codirection of Frédéric Chapoton, here in Strasbourg and Christian Stump, in Bochum, Germany. I work in combinatorics, which is a transversal domain in mathematics, where we try to get information on some structures by using things we can count on those. I am working on some lattices, which are posets (partially ordered sets) which have nice properties, namely the m -Tamari and m -Cambrian lattices, that are two different generalizations of the Tamari lattice, and I'm trying to compare them. More especially, I'm trying to understand their intervals, that is to say pair of comparable elements, and to prove that in fact, both lattices have as many intervals.

TL;DR : there exists two generalizations of the same thing which happen to be different, but I try to see how similar they actually are.

COLOMBO Luciana



Doctoral School: ED 520 (Humanities)

Research unit : UR 3402 - ACCRA

Approches contemporaines de la création et de la réflexion artistique

Supervisor: Prof. Alessandro Arbo (Unistra)

Nationality: Italian-Argentine

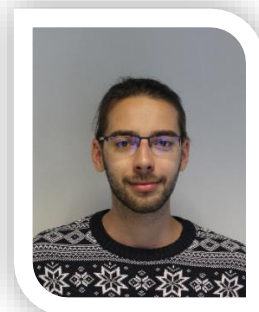
lrcolombo@etu.unistra.fr

Luciana Colombo is an Italo-Argentinian musicologist and singer. Currently, she is a contractual doctoral student at the ACCRA at the University of Strasbourg. Her thesis, conducted under the direction of Alessandro Arbo and Esteban Buch (director of studies at the École des Hautes Etudes en Sciences Sociales in Paris), is consecrated to the study of the incorporation of tango *rioplatense* in the operas of Argentine composers, from the end of the 20th century to the present day. This research aims to understand the morphological and aesthetic identity of these works in light of their production and reception contexts.

In her native city, Luciana graduated as a Music Professor with a specialization in opera singing and chamber music at the "Alberto Ginastera" Conservatory in Buenos Aires. She then obtained a Master's degree in Musicology (with honours) at the University of Strasbourg. On this occasion, she wrote a thesis entitled: *Interactions between opera and tango: The cases of Juan José Castro, Pompeyo Camps and Astor Piazzolla (1951-1987)*. At the same time, she attended two certificate programs in prestigious Latin American universities: "Composers of Latin America: converging views" given by the Universidad Nacional Autónoma de México (UNAM); and "Music and poetics of tango" given by the Universidad Nacional de las Artes (UNA), in association with the Academia Nacional del Tango (Argentina).

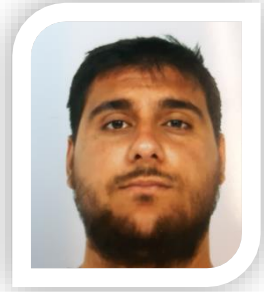
CUCUIET Teodor-Aurelian

Doctoral School: ED 222 (Chemistry)
Research unit: UPR 22 - ICS Institut Charles Sadron
Supervisors: Prof. Nicolas Guiseppone,
Dr. Emilie Moulin (Unistra)
Nationality : Romanian
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I grew up in Toplita, a little city situated close to the middle of my home country, Romania. As a child, I developed an interest in natural phenomena and the science behind them. Therefore, after obtaining my high school diploma in Mathematics-Informatics, I decided to start my academic journey at Babeş-Bolyai University of Cluj-Napoca. There, I obtained a bachelor's degree in Chemistry in 2019, and then a master's degree in Advanced Chemistry in 2021. During my studies, I engaged in research activities conducted at the Supramolecular Organic and Organometallic Chemistry Centre, and I was involved in several volunteering projects, including tutoring undergraduate students and organizing informal learning activities for my colleagues. I will continue my journey as a PhD student in the SAMS research group at Charles Sadron Institute, under the supervision of Prof. Nicolas Giuseppone and Dr. Emilie Moulin. My research project will focus on synthesis and study of supramolecular helicoidal polymers capable of emitting circularly polarized light, and the integration of these polymers in OLED devices.

FUSCO Pietro



Doctoral School: ED 270 (Theology and religious studies)

Research unit: UR 4377 - TCSR

Théologie Catholique et Sciences Religieuses

Supervisor: Prof. Michele Cutino (Unistra)

Nationality : Italian

fusco.pietro@etu.unistra.fr

My name is Pietro Fusco and I am 24 years old. I was born and grew up in Rome, where I first studied at the 'Liceo Classico Sant'Orsola' and discovered a passion for ancient literature and culture, especially for linguistics problems.

I decided to pursue this passion by enrolling in the Faculty of Letters and Philosophy, in Classical Literature, at the Sapienza University in Rome.

I completed my Licence and Master's theses with top marks, also obtaining an excellence scholarship, *Percorso d'eccellenza*, and specialising in the Third Sophistic: whereas for the Licence thesis I had worked on Proclus and the Hesiodic reception, for the Master's I composed a commentary on the Epistolary of Gregory of Nazianzus, highlighting the rhetoric tissue of this collection of correspondence. Here in Strasbourg I have just started a doctorate on the manuscript tradition of the *Hesameron* of St Ambrose, the aim of my project being a renewed critical edition of this fundamental text. After having been interested in the fourth century Christological debate on the Greek side, I decided to study an author contemporary to the Nazianzen, Ambrose of Milan, though coming from a Western and Latin background. I hope that this choice will help me to deepen and integrate into an overall picture what I have already discovered during my university years.

GILBLAS Riccardo Carmine

Doctoral School: ED 269

(Mathematics, Information and Engineering Sciences)

Research unit: UMR 7501 - IRMA Institut de recherche mathématique avancée

Supervisors: Prof. Moreno Andreatta (Unistra),

Prof. Luisa Fiorot (University of Padua, Italy)

Nationality : Italian

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My name is Riccardo Gilblas and I am a PhD student in Mathematics. In 2018 I graduated with a Bachelor degree in Padua with a thesis on p -adic fields. For the Master degree I attended the ALGANT joint programme which gave me the opportunity to obtain a double-degree from Padua and Bordeaux. During my Master degree I focused on Algebraic Geometry and in particular in my Master thesis I studied Galois categories and étale covers.

Once graduated in 2020, I got fascinated by a PhD project in Padua in the field of Math/Music research: as a part-time pianist, I had to go through it!

Furhermore, I had the chance of enter in a cotutelle programme between Padua and Strasbourg, having Luisa Fiorot and Moreno Andreatta as supervisors from the respective universities.

Together with them and with Alberto Tonolo, I am studying some problems in Mathematics arising with aspects of Music; in particular the aim is to address some open questions in Music theory by applying algebraic, topological and categorical tools.

GRUBOR Ivana

Doctoral School: ED 414 (Health and Life sciences)

Research unit: UPR 2357 – IBMP

Institut de biologie moléculaire des plantes

Supervisors: Prof. Emmanuel Gaquerel,

Dr. Hugues Renault (Unistra)

Nationality : Serbian

ivana.grubor@etu.unistra.fr



My name is Ivana Grubor and I come from Serbia. After graduating high school in Belgrade, I started my bachelor studies in cellular and molecular biology here in Strasbourg. For my third year of studies I went to Japan, in an academic exchange program where I studied at the School of Bioagricultural science at the Nagoya University. After completing my bachelor, I worked for a year in IT services since I had always been interested in informatics. During this year I also volunteered briefly at the Reykjavik Botanical Gardens in Iceland which got me interested in ecology and plant conservation. As a natural continuation, I did Master studies in plant bioactive molecules and valorization in Strasbourg, during which I completed an internship which allowed me to combine two of my passions – plant science and informatics. I am continuing my PhD working on the same project; finding out what changes in specialized metabolism allowed for the first land plants to conquer lands. I find this question fascinating since all land plants, from tiny mosses in tundras to giant trees in tropical forests, stem from one single ancestor. By examining land plants and their algal “sister” lineage, we hope to find more about this evolutionary shift.

GUYOT Solenne



Doctoral school: ED 520 (Humanities)

Research unit: UR 1341 – MGNE Mondes germaniques et nord-européens

Supervisors: Thomas MOHNIKE (Unistra), Giuliano D'AMICO (Universitetet i Oslo, Norway)

Nationality: French

solenne.guyot@etu.unistra.fr

My name is Solenne Guyot. I am a 23 years old PhD student in Scandinavian Studies specialized in Norwegian literature.

One of the best decision I have ever made was to select Bergen as the destination of my semester abroad during my "Humanities bachelor" (*Licence Humanités*). At that moment, I knew nothing about Scandinavia, but when I arrived in Norway, I fell immediately in love with the country, its landscapes, its inhabitants but above all with its history and its literature.

When I came back, I was determined to learn more about Scandinavia and to continue to study literature, my favorite field. Two years later, I graduated with a Master's degree in Scandinavian Medieval Studies and a Master's degree in General and Comparative Literature.

Now, in cooperation with the *Senter for Ibsen-studier* in Oslo, I am studying the medievalist aspect of the plays written by the Norwegian Henrik Ibsen (1828-1906). The one who is considered as the "father of modern drama" actually drew his inspiration from many medieval sources. I investigate how he had reinvested references to the middle Ages, not only in his historical dramas, but also in his realistic and psychological plays. By comparing the Ibsenian use of medieval times with the texts of other Norwegian authors, I aim to reconsider the role given to the middle Ages through the different literary movements of the second half of the 19th century.

I share my passion for my topic with the students of the Northern studies department by teaching classes about Scandinavian literature, culture and civilization.

JANKOVIC Denis

Doctoral School: ED 182 (Physics and Physical Chemistry)

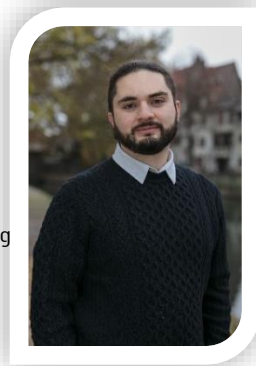
Research unit: UMR 7504 – IPCMS

Institut de physique et de chimie des Matériaux de Strasbourg

Supervisors: Prof. Paul-Antoine Hervieux (Unistra),
Prof. Mario Ruben (Karlsruhe Institute of Technology,
Germany)

Nationality : French and Serbian

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Born in Haut-Rhin, I grew up next to Switzerland and I completed my studies *100% im Elsass**. Starting with a Physics/Chemistry prep class, finishing with an M2 in Condensed Matter and Nanophysics, and passing by a double degree in Mathematics and Physics. I am now doing a PhD thesis in cotutelle between the Institut de Physique et de Chimie des Matériaux de Strasbourg (IPCMS) and the Karlsruhe Institute of Technology (KIT). My PhD work consists of tackling the theoretical side of rare-earths used for Quantum Information Processing. My main domains of interest are Quantum Computing, Atomic-Molecular-Optical Physics as well as Magnetism and Open Quantum Systems. More generally, I'm interested in quantum technologies and the progress that is currently being made, all the while being very keen on theoretical approaches to those subjects. I am also thrilled by the future of quantum technologies in Europe and the public interest they inspire. Moreover I work in close collaboration with different European programs such as the European Center for Quantum Sciences (CESQ), Eucor – The European Campus and the QUSTEC PhD program. On a personal level I am very interested in Geography, Linguistics, and Japanese Martial Arts and culture in general.

*in Alsace

JELINOWSKI Jan

Doctoral school: ED 520 (Humanities)

Research unit: UR 1340 – GEO

Groupe d'Études Orientales, Slaves et Néo-helléniques

Supervisors: Prof. Eric Vallet (Unistra),

Prof. Dariusz Kołodziejczyk (Polska Akademia Nauk, Poland)

Nationality: French

jan.jelinowski@etu.unistra.fr



My name is Jan Jelinowski, I graduated in History at the Université Paris 1 -Panthéon Sorbonne in France. Having started my studies at the University of Warsaw in Poland, I later specialised in the History of Medieval Islamic World, focusing on the historiography of the realm of the Ilkhans during my Master's in Paris, where I also developed an interest for quantitative methods of text analysis. During that time, I also spent one semester on anErasmus exchange at the University of Edinburgh in Scotland, and a second one at the Language School of the University of Isfahan in Iran. My PhD project is built around the life and work of Ata Malik Juvayni, a famous Persian historian and administrator from the 13th Century, whose writings and social role I wish to reasses in the light of recent discoveries and the tools of textual analysis. My academic affiliation is with the *Groupe d'Études Orientales, Slaves et Néo-helléniques* at the University of Strasburg, where I work under the supervision of Prof. Éric Vallet, and with the History Institute of the Polish Academy of Sciences, where I work with Prof. Dariusz Kołodziejczyk.

KESKES Mohammed Amir

Doctoral School: ED 269
(Mathematics, Information and Engineering Sciences)
Research unit: UMR7357 - ICUBE
Laboratoire des sciences de l'Ingénieur, de
l'Informatique et de l'Imagerie
Supervisors: Dr. Rémy Houssin (Unistra), Dr. Diala Dhoubib
(University of Sfax, Tunisia)
Nationality : Tunisian
mohamed-amir.keskes@etu.unistra.fr



Mohamed Amir KESKES was graduated in “Industrial engineering” from the higher institute of Industrial Management of Sfax in 2016. The next year he started his master in “Transport and Logistics Sciences”, at the same university. He achieved his diploma in 2019 concluded by an entitled report “Diagnosis of circular economy adaptability within companies in Sfax – Tunisia”.

He is currently a PhD student in the second year on co-tutelle agreement, between the University of Sfax-Tunisia and the University of Strasbourg-France, working under the supervision of Professors Remy HOUSSIN and Diala DHOUIB. He is also a member of the CSIP team of ICube laboratory-France and Olid laboratory-Tunisia.

His thesis subject titled «Multi-criteria aid for the selection of innovative waste recovery scenarios under life cycle thinking in the olive oil supply chain”. His research interests focused on the sustainability of olive oil in Tunisia and the integration of Multi-Criteria Decision Analysis method to help the deciders to face the difficulties and the hesitant choice, in order to protect the environment while fully respecting the economic contradiction and social aspect.

KOERIN Camille

Doctoral school: ED 519 (Human and social sciences – European perspectives)

Research unit: UMR 7044 – ARCHIMEDE Archéologie et Histoire Ancienne : Méditerranée et Europe

Supervisor: Prof. Philippe Quenet (Unistra)

Nationality: French

camille.koerin@etu.unistra.fr



I have been studying archaeology at the University of Strasbourg since my undergraduate degree in 2015 with an international focus thanks to a year in Germany as part of the Erasmus+ programme, my Trinational Bilingual Master's degree in Ancient Studies, and a current PhD in cotutelle with the University of Bonn in Germany. I had the opportunity to participate in different archaeological excavations, mainly in France but also in Peru. My PhD will enable me to go to Egypt but also to Iraq. These different experiences have allowed me to meet many people from different countries and backgrounds.

My passion for ancient cultures has led me to specialise in Egyptology at first (Master's degree) where I studied the Predynastic temples of the 4th millennium BC, before broadening my horizons and choosing a multidisciplinary thesis subject combining Egyptology and Oriental archaeology. Today, I am working on the interactions between Egypt and Mesopotamia in the 4th millennium thanks to the diffusion of cylinder seals. I hope to contribute to the development of archaeological knowledge on the 4th millennium, a period that is still poorly known. It is a subject that combines several archaeological and scientific fields (archaeology and geology), and demonstrates the importance of interdisciplinary collaboration in scientific research.

MANGELLI Giacomo

Doctoral School: ED 520 (Humanities)
Research unit: UR 4376 - CHER
Culture et histoire dans l'espace roman
Supervisor: Prof. Emanuele Cutinelli-Rendina
Nationality: Italian
giacomo.mangelli2@etu.unistra.fr



My name is Giacomo, I am 30 years old and I come from Italy. Before applying to a Phd program at the University of Strasbourg, I have obtained a Bachelor's degree in Humanities, a double Master's degree in Literature and Linguistics (in Bologna and Strasbourg) and I have taught Italian language, history and culture for three years in France (as « *professeur agrégé* »), in high school and University. Currently, I'm taking part in a joint PhD program between the University of Strasbourg and the University of Rome (La Sapienza). The research project I am working on can be ascribed to Intellectual history's field. To be more specific, I am studying the influence of Giambattista Vico's ideas, a modern Italian philosopher, on a very important intellectual debate about marxism whose main protagonists are four thinkers: the Italians Antonio Labriola, Benedetto Croce, Giovanni Gentile and the French Georges Sorel. My study should provide a deeper understanding of this discussion over marxism's theory that took place approximately before the First World War. This is considered, by a wide range of experts, a crucial moment for the history of European marxism; from a theoretical point of view and because of the consequences it had regarding the organisation of anti-liberal political movements, including fascism.

MORALES EZQUERRA Ariadna

Doctoral school: ED 520 (Humanities)
Research unit: UR 1339 - LiLPa
Linguistique, Langues et Parole
Supervisors: Dr. Andrea Young (Unistra),
Dr. Laura Portolés Falomir (Universitat Jaume I)
Nationality: Spanish
ariadna.morales-ezquerra@etu.unistra.fr



My name is Ariadna Morales Ezquerra and I am a Joint Supervision PhD student in the field of linguistics at the University Jaume I in Castelló (Spain) and at the University of Strasbourg, under the supervision of Dr. Laura Portolés and Dr. Andrea Young. I hold a Master`s Degree in “English language Teaching and Acquisition in Multilingual Contexts” and my Master`s thesis focused on linguistic attitudes and multilingualism. Continuing in the same vein as my MA thesis, my PhD thesis studies language attitudes amongst secondary students in the asymmetrical multilingual setting of the Valencian Community (Spain), where a majority, a minority and a foreign language coexist in the educational system. I am conducting a longitudinal study to observe the evolution of students` language attitudes towards Spanish, Catalan and English through secondary education and to analyse the impact of several variables on their language attitudes and use.

My interest in the processes of language learning and acquisition and the study of multilingual contexts has also been influenced by my linguistic experiences during my stays in Italy, Germany and the United Kingdom. I am eager to share my research and passion with other international PhD students and to learn from the experiences and findings of other researchers.

MZAHMA Sourour

Doctoral school : ED 413 (Earth and Environment Sciences)

Research unit : UMR 7063 - ITES

Institut Terre et Environnement de Strasbourg

Supervisors : Dr. Joëlle Duplay (Unistra),

Dr. Mohamed Hachicha (University of Carthage, Tunisia)

Nationality : Tunisian

sourour.mzahma@etu.unistra.fr



Sourour MZAHMA, born in February 26, 1991 in Tunisia, of Tunisian nationality, is a PhD student in joint thesis supervision between the University of Carthage in Tunisia and the University of Strasbourg in France.

After obtaining her applied license in Environmental Protection (2013), she obtained her professional master's degree in environmental biomonitoring (2015), then her research master's degree in biological sciences (2018), before starting her PhD in 2019. In the meantime, she has done internships in several sectors such as the environment, health, industry and agriculture.

In her research, Sourour focuses on the agricultural valorization of unconventional water with the aim of alleviating the lack of water in Tunisia and in the world, the use of crops tolerant to salinity and being able to improve the quality of the soil. Her doctoral project examines the impact on agricultural soils and plants of irrigation by treated textile effluents.

PEREZ PENA Elena



Doctoral School: ED 222 (Chemistry)

Research unit: UMR 7140 - CMC Chimie de la matière complexe

Supervisors: Prof. Alexandre Varnek, Dr. Dragos Horvath (Unistra),

Prof. Stefano Pieraccini (Università degli Studi di Milano)

Nationality: Spanish

helena.perez-pena@etu.unistra.fr

My name is Helena Pérez Peña, I was born in Madrid (Spain) in November 9th 1996. I am an MSc Drug Design graduate at University College London (UCL), specialising in computational chemistry and structural bioinformatics. I have also earned a BSc in Biotechnology from the Universidad Politécnica de Madrid (UPM) where I specialised in computational biotechnology. I am currently doing my PhD in computational biophysics and chemoinformatics as part of the Marie Skłodowska-Curie European Joint Doctorate Programme (EJD) TubInTrain. The main goal of this project is to join our efforts to investigate the microtubules breakdown associated to neurodegenerative diseases and neurotoxicity.

My desire to explore studying outside of Spain began when I did an exchange year in Iowa (US) when I was only 15 years old. Since then, I have spent my Master's in London, before embarking on the Marie Skłodowska-Curie PhD project which has seen me studying in Milan, Strasbourg and Germany in the future. I have embraced each of these opportunities fully, immersing myself in the language and cultures of these places. My strategy has always been to seek new challenges and adapt to changing environments, to continuously develop personally and professionally. I have also been a strong believer in using research to benefit society, and to do so means being as transparent and collaborative with the scientific community as possible. For these reasons, I am delighted to be a member of the cohort of the PDI 2021!

PIKALYOVA Karina

Doctoral School: ED 222 (Chemistry)

Research unit: UMR 7140 - CMC

Chimie de la matière complexe

Supervisors: Prof. Alexandre Varnek,
Dr. Gilles Marcou (Unistra)

Nationality: Kazakh

karina.pikalyova@etu.unistra.fr



My name is Karina Pikalyova, I am a PhD student in the laboratory of chemoinformatics in Strasbourg. My journey in computational chemistry started when I was doing a bachelor's degree at the University of Strasbourg. My bachelor thesis project was focused on modeling of self-assembled monolayers on the surface of graphene and it is eventually this project that led me to choose chemoinformatics for my Master studies. After obtaining an MSc in chemoinformatics from the University of Strasbourg, I received a PhD position in chemoinformatics in a very competitive contest of Ecole Doctorale des Sciences Chimiques in Strasbourg. I work on the interface of chemistry, biology, and data science which makes my experience very interdisciplinary. I am honored to be a part of the International Doctoral Program and to share good moments with all the participants of IDP.

PIKALYOVA Regina

Doctoral School: ED 222 (Chemistry)

Research unit: UMR 7140 - CMC

Chimie de la matière complexe

Supervisors: Dr. Dragos Horvath, Prof. Alexandre Varnek (Unistra)

Nationality: Kazakh

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My name is Regina PIKALYOVA, originally from Kazakhstan; I came to France in 2016 to obtain my bachelor's degree in the department of chemistry at the University of Strasbourg. Since my final year of Bachelor studies, I have been interested in computational chemistry. I was amazed by the capabilities of chemoinformatics and molecular modeling as well as by the fact that chemical problems can be solved theoretically using computer calculations. Thus, after obtaining a BSc in chemistry, I decided to pursue my MSc studies in chemoinformatics. Eventually, this year I became a PhD student in the laboratory of chemoinformatics in Strasbourg. My PhD thesis is focused on chemical space exploration and analysis using machine-learning methods. This year I have also started to teach thermochemistry and infochemistry classes to bachelor students. Being able to not only conduct my research but also to share knowledge with students is the most wholesome experience I could wish for. I am very excited about my PhD career that has been started recently and I am very happy and honored to be a part of the International Doctoral Program.

QUARREY Marie

Doctoral school: ED 519 (Human and social sciences – European perspectives)

Research unit: UMR 7363 – SAGE

Sociétés, acteurs, gouvernement en Europe

Supervisors: Prof. Vincent Dubois (Unistra),

Prof. Jean-Michel Bonvin (University of Geneva, Switzerland)

Nationality: French

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Je suis doctorante en science politique au sein du laboratoire SAGE (Société, Acteurs et Gouvernement en Europe) à l'Université de Strasbourg et à l'IRS (Institut de Recherches sociologiques) à l'Université de Genève depuis l'année 2020-2021. Après une licence de droit à Paris, j'ai intégré le cursus de Sciences Po à Strasbourg. Je suis tombée sous le charme de cette ville et de la vie (culinaire) strasbourgeoise. Originaire du Doubs, département où la perspective frontalière est un des possibles envisagés depuis l'enfance, je suis familière de la thématique franco-suisse. Je cultive une grande curiosité pour la mobilité transfrontalière en tant que construction sociale. J'ai trouvé un moyen d'en faire mon métier en l'analysant et l'expérimentant par une thèse ! Mes recherches portent ainsi sur les enjeux définitionnels de la mobilité dans les politiques fiscales ainsi que le rapport ordinaire à l'impôt des contribuables mobiles en Suisse, entendus comme les individus se déclarant frontaliers et expatriés français en Suisse.

Je suis très heureuse de rejoindre la promotion 2021 du Programme Doctoral International !

RICHMAN Sasha



Doctoral school: ED 520 (Humanities)

Research unit: EA 1337 - CL Configurations littéraires

Supervisors: Prof. Patrick Werly (Université de Strasbourg) and Prof. Mathijs Sanders (University of Groningen)

Nationality : American

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My name is Sasha Richman, and I am a joint PhD student in comparative literature. Originally from the United States, I completed my undergraduate studies in French at the University of California, Los Angeles (UCLA) before relocating to France. In 2020, I obtained my Master's degree in French, General, and Comparative Literatures from the University of Strasbourg. My Master's thesis examined 20th century literary and cinematic representations of photography and focused specifically on a phenomenon I called "photographic disappointment," whereby photography thwarts expectations and proves to be dangerous or misleading. My current research, under the joint supervision of Professors Patrick Werly (University of Strasbourg) and Mathijs Sanders (University of Groningen), explores the photoliterary intersections in the works of Dutch writer Willem Frederik Hermans, American writer and photographer Wright Morris, and French writer Michel Tournier. I am interested in how the writers' photographic and literary practices informed one another, as well as how their use and depiction of photography reflect deeper artistic, ontological, and sociopolitical questions.

RODRIGUES DE SOUZA Kelton

Doctoral school: ED 222 (Chemistry)

Research unit: UMR 7177 – IC Institut de Chimie

Supervisors: Prof. Burkhard Bechinger (Unistra),

Prof. Rodrigo Verly (Federal University of Valleys of Jequitinhonha and Mucuri, Brazil)

Nationality: Brazilian

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My name is Kelton Rodrigues de Souza and I am doing my Ph.D in chemistry under joint supervision at the University of Strasbourg and Federal University of Jequitinhonha and Mucuri Valleys (UFVJM), in Diamantina, a small, historical, and beautiful city in the state of Minas Gerais, Brazil. The proposed investigations in my thesis project aim to study the mechanisms of action of antimicrobial peptides derived from the piscidin family, which present a wide range of antimicrobial activity. During my graduation course, I have been involved in many academic activities. I started a research project at the Laboratory of biotransformation and bioprocesses where I began my scientific journey working with the development and quality control of wines and alcoholic beverages. Moreover, at the same laboratory, I experienced the biofuel field developing my end-of-course project in the production of bioethanol from the eucalyptus bark. In 2017, I started my master's course in chemistry at the same university, however entering a new research field related to structural and biophysical studies of polypeptides under the supervision of Pr. Rodrigo Verly. This experience raised a high interest in scientific research in this field and, therefore, I decided to continue my post-graduate studies being admitted to the cotutelle Program of *L'École doctorale des Sciences Chimiques* under the joint supervision. Besides science, I love to read, play some songs with friends, travel, technology, photography, movies. This year, I have become a member of the PDI program and I am looking forward to meeting you all in person and for the possibilities and challenges that this program will provide for me and for all of us.

SANDANAYAKE Deshan

Doctoral school : ED 182 (Physics and Physical Chemistry)

Research unit: UMR 7178 - IPHC

Institut Pluridisciplinaire Hubert Curien

Supervisor : Dr. Marco Dracos (Unistra)

Nationality : Sri Lankan

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I am Deshan Sandanayake, from Sri Lanka. Upon completion of the 2-year Master's degree in Subatomic and Astroparticle Physics as a recipient of the prestigious "Q-Master Fellowship" offered by the Quantum Sciences and Nanomaterials International Graduate school of the University of Strasbourg, I was able to secure a Ph.D. contract with the Doctoral College of Physics and Physical Chemistry of the University of Strasbourg in 2021. "JUNO" is a state-of-the-art Neutrino Observatory under construction in Jiangmen, China, with the main goal of solving the mystery of Neutrino Mass Hierarchy by observing reactor electron anti-neutrino disappearance spectra, among many others. The Neutrino Group of IPHC-CNRS is a leading collaborator of JUNO. My Ph.D. project, carried out with the aforementioned group, concerns the final stages of assembly and the first measurements of the JUNO Experiment. I truly believe that the contributions made to JUNO will be integral in revealing many hidden mysteries of the Neutrino, probably the most elusive particle in the Standard Model. I consider it as an honour and a privilege to become a member of the 2021 class of the International Doctoral Program. Making the most of this invaluable opportunity, I look forward to becoming a valuable intellectual asset towards the betterment of the humankind, while achieving my dreams of becoming a professional physics researcher in the field of Neutrino Physics.

YAMMA Rose

Doctoral School: ED 269

(Mathematics, Information and Engineering Sciences)

Research unit: UMR 7357 - ICUBE Laboratoire des sciences de l'Ingénieur, de l'Informatique et de l'Imagerie

Supervisors : Prof. Adrien Wanko (Unistra),

Prof. Arsène Yonli (Joseph Ki-Zerbo University)

Nationality: Burkinabe

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My name is YAMMA Rose, from Burkina Faso. I am a doctoral student in co-cotutelle in environmental engineering at the Joseph KI-ZERBO University in Ouagadougou and in Engineering Sciences at the University of Strasbourg.

After a bachelor's degree in environmental engineering in 2012, in 2014, I obtained a master's degree in Water-Energy-Environment research from the Joseph KI-ZERBO University of Ouagadougou. In parallel, since 2013 I have been able to integrate the National Center for Scientific and Technological Research (CNRST) of Burkina Faso as a senior research technician. This is how in 2017 I rose through the ranks and moved on to the post of research engineer so that I was associated with a multidisciplinary research team that allowed me to practice in the defense of the environmental cause.

So it was only natural that I made the transition from a master's degree to a doctorate in environmental sciences. My doctoral project concerns "decontamination by phytoremediation of soils polluted by the rejects of artisanal gold mining in Burkina Faso". The main purpose of this study is to test the purification capacity of local plants compared to vetiver on soils polluted by mine tailings by modeling the mechanism of pollutant elimination. My vision is to contribute effectively to the preservation and protection of natural resources.