



YERUN Staff Week

Organised by
Universidad Autónoma de Madrid

**Best practices for International
collaboration at Doctorate Level**

14th – 16th November 2018

YERUN Staff Week Programme

Day 1

Wednesday 14th November

Venue: SALÓN DE GRADOS ANGEL RIVIÉRE, Facultad de Psicología, Campus de Cantoblanco, UAM, Madrid

9:30 Registration

10:00 Welcome

Rafael Garesse Alarcón, Rector,
Universidad Autónoma de Madrid

Carmela Calés Bourdet, Vice-rector for Internationalisation,
Universidad Autónoma de Madrid

José Manuel González Sancho, Vice-rector for
Research, Universidad Autónoma de Madrid

10:30 Presentation of YERUN and YERUN Strategic
Action 3 'Promoting Education Collaboration'

Silvia Gómez Recio, YERUN Secretary General

Amaya Mendikoetxea, Chair of YERUN Strategic
Action 3 'Promoting Education Collaboration',
Universidad Autónoma de Madrid

11:00 Coffee Break

11:30 Invited speaker:

Prof. Annamaria Silvana de Rosa, Director of the European/
International Joint Ph.D. on SR & C Research Centre and
Multimedia Lab, Sapienza Università di Roma

Title: Sharing experience/expertise from creating/leading
an international, interdisciplinary and intersectoral doctorate
since 1993: a meta-reflection on the "joint" doctorate as
a distinct model from the "collaborative" programs"

Chair: **Irene Martín**, Director of the Master in Democracy
and Governance, Universidad Autónoma de Madrid

12:30 Invited speaker:

Gareth O'Neill, President of EURODOC

Title: Advantages and Challenges of Structured
Mobility for Doctoral Candidates in Europe

Chair: **Silvia Gómez Recio**, Secretary General, YERUN

13:30 Lunch

15:00 Practical cases of international collaboration

Chair: **Valerio Rocco**, Vice-dean for Research, Faculty of
Arts & Humanities, Universidad Autónoma de Madrid

Jorge Pedemonte Marino, Legal Advisor of UAB's
Doctoral School / Escuela de Doctorado / Head of
Agreements' Unit, Universitat Autònoma de Barcelona

Title: International Co-tutelle of Doctoral theses

Jesús Bescós, UAM's coordinator of Erasmus+ Mundus
Joint Master's Degree (EMJMD) in Image Processing and
Computer Vision (IPCIV), Universidad Autónoma de Madrid

Title: From Erasmus+ Mundus Joint Master Degrees
to European Joint Doctorates: a natural path

Manuel Yañez, Director of ITN-Erasmus Joint
Doctorate in Theoretical Chemistry and Computational
Modelling, Universidad Autónoma de Madrid

Title: The challenge of creating a European domain on
Theoretical Chemistry and Computational Modelling

Raúl Sánchez Fernández, Professor in the Department
of Physics, Member of the Academic Committee of
the PhD Program in Nuclear Fusion and Plasma
Physics, Universidad Carlos III de Madrid

Title: Objectives, hurdles, and challenges in the set-up
and management of joint PhD programs: Lessons learnt
from the experience of the FUSION DC consortium.

17:00 Coffee Break

17:30 Roundtable: International collaboration for doctoral
education. Advantages and challenges

Chair: **Valerio Rocco**, Vice-dean for Research in the Faculty
of Arts & Humanities, Universidad Autónoma de Madrid

Venue

Salón de Grados Angel Riviére, Facultad de Psicología
(Annex) Campus de Cantoblanco, UAM, Madrid

More information about the event:

<https://www.yerun.eu/events/staff-week-on-best-practices-for-international-collaboration-at-doctorate-level/>

Contact:

staffweek@uam.es

YERUN Staff Week Programme

Day 2

Thursday 15th November

Venue: SALÓN DE GRADOS ANGEL RIVIÉRE, Facultad de Psicología, Campus de Cantoblanco, UAM, Madrid

- 10.00 Presentation of EDUAM: UAM Doctoral School
Olga Fernández Soriano, *Academic Secretary of EDUAM*
Chair: Amaya Mendikoetxea, Chair of YERUN Strategic Action 3 'Promoting Education Collaboration', Universidad Autónoma de Madrid
- 10.30 Invited speaker:
Prof. John Creemers, *Director Doctoral School Biomedical Sciences, KU Leuven*
Title: *10 years of joint doctorates at KU Leuven; a tale of challenges and exponential growth*
Chair: Javier Díaz Nido, Head of EDUAM, Universidad Autónoma de Madrid
- 11.30 Coffee Break
- 12.00 Invited speaker:
Prof. Mossadek Talby, *Directeur du Collège Doctoral, Aix-Marseille Université & Member of the steering committee of the EUA-CDE Council of Doctoral Education*
Title: *EUA-CDE and Doctoral education in Europe*
Chair: José María Sanz, Former Rector, Universidad Autónoma de Madrid
- 13.00 Lunch
- 14.30 Practices in international collaboration
Chair: Ana Planet, Vice-dean for Postgraduate Studies in the Faculty of Arts & Humanities, Universidad Autónoma de Madrid
Cenay Akin, *In-house legal advisor, Coordinator of the field of International Education Law, Maastricht University*
Title: *Contracting for joint and double programmes and degrees*
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- Giovanni La Rosa**, *Head of Doctoral School, Università degli Studi di Roma 'Tor Vergata'*
Title: *Flexibility in cooperation agreement and Joint PHD*
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- Albert Sangrà**, *Academic Director of Industrial Doctorates Plan, Generalitat de Catalunya*
Title: *Catalan Industrial Doctorates Plan: To strengthen business-research centres partnerships*
- 16.00 Coffee Break
- 16.30 Roundtable: Doctoral training in the EU: what can international collaboration offer?
Chair: Amaya Mendikoetxea, Chair of YERUN Strategic Action 3 'Promoting Education Collaboration', Universidad Autónoma de Madrid

Day 3

Friday 16th November:

Special Session on Doctoral Education in the EU

Venue: SALÓN DE GRADOS ANGEL RIVIÉRE, Facultad de Psicología, Campus de Cantoblanco, UAM, Madrid

- 9.30 Presentation of Doctoral education in different EU countries
Introduction: **Amaya Mendikoetxea**
BELGIUM (FLANDERS): **Pieter Spooren**, *Head of the Doctoral School, University of Antwerp*
FINLAND: **Kaisa Laitinen**, *Head of Academic Affairs, University of Eastern Finland*
FRANCE: **Mossadek Talby**, *Directeur du Collège Doctoral, Aix-Marseille Université*
GERMANY: **Leonie Wiemeyer**, *Programme Manager at Early Career Researcher Development, Universität Bremen*
Coffee break
ITALY: **Giovanni La Rosa**, *Head of the Doctoral School, and Francesca Dominici Head Responsible of International Relations Università degli Studi di Roma 'Tor Vergata'*
PORTUGAL: **Isabel Nunes**, *Pro Rector for Quality, Universidade Nova de Lisboa*
SPAIN: **Javier Díaz Nido**, *Head of the Doctoral School, Universidad Autónoma de Madrid*
THE NETHERLANDS: **Cenay Akin**, *In-house Legal Advisor, Maastricht University*
UK: **Dominic Micklewright**, *Dean of Partnerships, University of Essex*
- 12.30 Discussion groups
- 13.00 Wrap-up & Farewell

SPEAKERS & ABSTRACTS

INVITED SPEAKERS



Annamaria Silvana de Rosa

Annamaria is a Ph.D., Professor of Social Representations and Communication and of New Media and web-Marketing at the Faculty of Medicine and Psychology - **University of Rome "Sapienza"**, Italy. Founder and Director of the *European/International Joint PhD in Social Representations and Communication* (<http://www.europhd.eu>) and of SoReCom THEmatic NETwork (<http://www.europhd.net/sorecomthenet-summary>), she is the Director of the *European/International Joint Ph.D. on SR & C Research Centre and Multimedia Lab*.

She is Rector Delegate in the EUA-CDE Council of Doctoral Education, since its inception, member of the Board of Directors of the International Relations and member of Sapienza-CDE Council of Doctoral Education for innovating

the doctorates.

Author of more than 600 scientific contributions, including invited Key conferences in international conferences and more than 200 publications in the supra-disciplinary field of Social Sciences inspired by her "modeling" paradigmatic approach to Social Representations, Other publications concern distinct forms of internationalization of doctoral education and innovative ICT applied to Higher Education and Digital Libraries. Contact e-mail: annamaria.derosa@uniroma1.it

TITLE OF PRESENTATION: Sharing experience/expertise from creating/leading an international, interdisciplinary and intersectoral doctorate since 1993: a meta-reflection on the "joint" doctorate as a distinct model from the "collaborative" programs.

ABSTRACT

Our contribution will be aimed at sharing experience and expertise from a pioneer case of networked joint doctorate, created in 1993 and implemented since 1996, which has integrated the triple "i" model (ie: the international, interdisciplinary and intersectoral): the *European/International Joint PhD in Social Representations and Communications*, led by Sapienza University (Italy) in 12 EU (AT, CH, CZ, FR, IT, NL, RO, ES, PT, SE, SK, UK) and 6 extra-EU countries from North America (U.S. and CA) and Latin America (AR, BR, MX) to China, including 25 universities, IFSTTAR (a French *national research institute of science and technology for transport, development*), 2 SME in Sweden and in Italy in diversified sectors (*communication and marketing*) and the multinational ELSEVIER in the strategic sector of publishing and science dissemination. The objective of this contribution is to share our experience in bringing the *European/International Joint PhD in Social Representations and Communications* to life and ensuring its long term sustainability also through an effective management, even facing transformations in the network life-cycle (including dynamic interplay between individual and institutional collaborations, progressive expansion of the network, changes in leadership and partnership, or even unexpected crisis, such as lack of funds for research and education in the period of the global economic crisis, etc.).

Living the future on innovative doctorates as experienced past, recognised within the triple framework of Universities, Ministries and the European Commission since early '90th, we will present the multiyear integration of the international, interdisciplinary, intersectoral as potentially transversal dimensions of the innovative doctoral training. Therefore, starting from concrete long-term experience of a triple "I" doctorate, the contribution will address not only questions concerning the internationalisation of doctoral education across and beyond European borders, emphasising the opportunities and challenges of making such international collaboration, but also other key issues in the agenda of the *Staff Week on Best Practices for International Collaboration at Doctorate Level*, such as:

- offering a meta-reflection on the "joint" doctorate as a distinct model from the "collaborative" programs, presenting the advantages and the challenges of the different models of international collaboration at Doctorate level, that identifies and describes the various types of 'structured mobility and training';
- exchanging good practices and sharing knowledge and experiences about doctoral training in the specific form of "joint" doctorate, differently from the "collaborative" programs;

- contributing to Strategic Action 3 'Promoting Education Collaboration' of the YERUN Strategic Plan and in particular to the promotion of joint programmes at Doctorate Level.



Gareth O'Neill

Gareth is a doctoral candidate in linguistics at Leiden University and is president of the European Council of Doctoral Candidates and Junior Researchers (Eurodoc) [<http://eurodoc.net>]. He is interested in science policy for researchers and in improving the implementation and skills training of Open Science across Europe. Gareth was involved in the Dutch National Plan for Open Science, is an expert on Intersectoral Mobility and Open Science for the European Commission, and is a member of the H2020 Advisory Group on Marie Skłodowska-Curie Actions. He lives in Amsterdam and can often be seen sailing in a traditional Irish boat on Lake IJsselmeer.

TITLE OF PRESENTATION: Advantages and Challenges of Structured Mobility for Doctoral Candidates in Europe

ABSTRACT

Doctoral candidates are increasingly being asked to be internationally, intersectorally, and interdisciplinarily mobile. Structured mobility programmes have been developed at institutions to help train and support doctoral candidates to become skilled in such 'triple I' mobility. One such structured mobility programme is the Innovative Training Networks (ITNs) of the Marie Skłodowska-Curie Actions (MSCA) in the Horizon 2020 funding framework. This workshop will look at both the advantages and challenges of structured mobility from the viewpoint of doctoral candidates on MSCA ITN doctoral programmes and offer recommendations to help improve doctoral mobility training.

Twitter: [@gtoneill](https://twitter.com/gtoneill)



John W. Creemers

John is full professor in the Department for Human Genetics at KU Leuven, Belgium. He studied chemistry at the Radboud University Nijmegen (The Netherlands) and obtained a PhD in Biomedical Sciences at KU Leuven. Afterward, he was an E.C.-Human Capital and Mobility postdoc at the University of Cambridge (Addenbrooke's Hospital) and a Fulbright Scholar at the Barbara Davis Center for Childhood Diabetes, University of Colorado Health Science Center (Denver, U.S.A.). His research focusses on congenital diseases and mouse models in which protein maturation, sorting and secretion are disturbed. In 2012 he became the Director of the Doctoral School Biomedical Sciences. He is also the KU Leuven representative for the LERU policy group doctoral studies (www.leru.org) and he is member of the executive committee

of ORPHEUS (<http://www.orpheus-med.org/>). Furthermore, he is chair of the Flemish interuniversity VLIR working group doctoral schools (<http://vlir2.nettools.be/p5325#doctoral>) and f-TALES (<https://ftales.be/>).

TITLE OF PRESENTATION: 10 years of joint doctorates at KU Leuven; a tale of challenges and exponential growth

ABSTRACT

The number of joint/double degrees (JD/DD) have exponentially risen in recent years at KU Leuven leading to 750 signed agreements and 250 currently being negotiated. Setting up joint doctorates is an administrative burden for our Doctoral Schools, full of challenges and pitfalls, a 10% failure rate, and requiring administrators with special expertise. So what motivates universities, supervisors and PhD researchers to embark upon this apparent nightmare? In Flanders, financial incentives are given to universities to set up JD/DD, both at national and international level. At the European level, programs like Innovative Training Networks (ITNs) provide attractive funding opportunities for JD/DD. Supervisors use JD/DD to obtain funding, start or strengthen collaborations, increase scientific impact by joining forces with other universities or non-academic institutions and businesses. For PhD researchers, JD/DD are an attractive alternative since it provides enhanced career perspectives in both academia and non-academic sectors. The international,

interdisciplinary and sometimes even intersectoral mobility stimulates a mind-set that is highly appreciated by future employers. This lecture will focus on our experiences and comprehensive and successful practices when developing and managing joint programs.



Mossadek Talby

Mossadek is Professor of Physics at Aix-Marseille Université (AMU). He obtained a PhD (Doctorat d'Etat) in particle physics in 1988 at the Université de la Méditerranée in Marseille. He worked in several particle physics international collaborations : ALEPH collaboration at the Large electron-positron collider (LEP) at CERN (1989-1997), BABAR collaboration at the PEP-II electron-positron collider of the Stanford Linear Accelerator Center (SLAC) in Palo-Alto, California where he was visiting Professor for two years (1997-1999), D0 collaboration at the TEVATRON proton-antiproton collider at the Fermi National Accelerator Laboratory (Fermilab) in Illinois (1999-2006) and since 2006 he is member of the ATLAS collaboration at the Large Hadron Collider (LHC) at CERN. He has led the ATLAS physics group at the Centre de Physique des Particules

de Marseille for 5 years and was member of the Collaboration Board (CB) and the CB Chair advisory group of the ATLAS collaboration. His research activities in these collaborations covered several particle physics topics ranging from B-hadrons physics to the Higgs boson, and including supersymmetry and top quark physics. He is co-author of a few hundred publications of the ALEPH, BABAR, D0 and ATLAS International Collaborations in peer-reviewed particle physics journals. In addition to his research activities, he has been and continues to be actively involved in the education and research management activities at the University level but also at the national and international levels. Among other activities, he was member of the CNRS national committee for nuclear, particle and astroparticle physics, « chargé de mission » for the relations of the AMU research structures, director of the AMU doctoral school of physics. He is since 2015 Director of the AMU Doctoral College which federates the 12 Doctoral Schools of the University and is coordinator of the H2020-MSCA COFUND DOC2AMU doctoral program. He is member of the Steering Committee of the Council for Doctoral Education of the European University Association (CDE-EUA) since 2016.

TITLE OF PRESENTATION: EUA-CDE and Doctoral education in Europe

ABSTRACT

The European University Association Council for Doctoral Education (EUA-CDE) is the largest European network for doctoral education and research training in Europe. Its main objective is to strengthen the doctoral research capacity of European universities to attract, support and shape talented early-stage researchers in a competitive and global environment. By promoting collaboration and exchange of good practices among its members and disseminating the outcomes of its work, EUA-CDE makes an important contribution to the development of doctoral education and research training in Europe. The key activities of the EUA-CDE will be presented and major advancement and issues but also challenges for doctoral education in Europe will be addressed and discussed

SPEAKERS IN THE GENERAL SESSION

(14TH-15TH OF NOVEMBER)

Albert Sangrà, *Academic Director of Industrial Doctorates Plan, Generalitat de Catalunya*

TITLE: Catalan Industrial Doctorates Plan: To strengthen business-research centres partnerships

ABSTRACT

The Catalan Industrial Doctorates Plan is an initiative designed with the main aim of promoting the transfer of technology and knowledge between the academic and business environments. The main characteristics of the plan will be presented as well as the results obtained to the present, and the actions taken to promote international collaboration. It includes the evaluation of the agents involved.

Cenay Akin, *in-house lawyer, Maastricht University*

TITLE: Contracting for joint and double programmes and degrees

ABSTRACT

In this presentation some insights will be given from a legal perspective into the process of creating a joint degree. The basic requirements that a contract for a joint degree must meet shall be discussed, as well as the commonly encountered difficulties and how those can they be tackled.

Giovanni La Rosa, *Head of Doctoral School, Università degli Studi di Roma "Tor Vergata"*

TITLE: Flexibility in cooperation agreement and Joint PHD

ABSTRACT

The presentation is concerning excellence consortium cases such as consortium with Université Paris 1 Panthéon-Sorbonne, the best practices in Cotutelles and mobility under Erasmus + Bilateral Agreement (Explaining how create a Joint PHD degree realized through cotutelles with University of Salamanca – ES), awarding the title of Doctor of Philosophy in place of Institutions that do not have PhD programs. Example of Collaborative experience with Technical University of Applied Sciences Wildau – DE, the example of Convention for a Joint Research PhD (the bilateral agreement with "Aristotle" University of Thessaloniki) and expectations for the future.

Jesús Bescós, *UAM's coordinator of Erasmus+ Mundus Joint Master's Degree (EMJMD) in Image Processing and Computer Vision (IPCV), Universidad Autónoma de Madrid*

TITLE: From Erasmus+ Mundus Joint Maste Degrees to European Joint Doctorates: a natural path.

ABSTRACT

The potential of Erasmus+ Mundus Joint Master Degrees (EMJMDs) to attract talent is out of doubt. Part of this talent is in fact able to follow a PhD instead of the EMJMD, and many of the EMJMD graduates are willing to pursue a PhD and with suitable curriculum to apply for a position in a European Joint Doctorate (EJD). This would help keeping highly productive talent into the EU, making EMJMDs cost-effective. The connection between these two training instruments is clear, to the point that it should be considered as a design criterion. This presentation deepens, via a use case, into the relationships between EMJMDs and EJDs.

Manuel Yañez, *Coordinator of ITN-Erasmus Joint Doctorate in Theoretical Chemistry and Computational Modelling, Universidad Autónoma de Madrid*

TITLE: The challenge of creating a European domain on Theoretical Chemistry and Computational Modelling

ABSTRACT

A European Joint Doctorate requires harmonizing different regulations between different Institutions in the area in which the Doctorate is going to be offered. This becomes a real challenge in the domain of the Computational Chemistry, simply because this domain is enormous, going from extremely small systems, as in astrochemistry, to huge compounds, like proteins, in biochemistry. Consequently, it is impossible to cover this scientific area not only by one University, but even by a consortium of Universities. The first challenge is then to define the consortium in order to offer the most appealing and timely topics. The second is to create a program able to motivate a heterogeneous group of PhD students, with very different interests, even if they use tools, in principle analogous, but quite diverse. This scenario and the inherent difficulties were, in the last four years, the framework in which our TCCM-EJD was developed. In this adventure, our previous experience, at the Master level, was crucial to reach an acceptable level of success.

Jorge Pedemonte Marino, *Legal Advisor of UAB's Doctoral School / Escuela de Doctorado / Head of Agreement's Unit*

TITLE: International co-tutelle of doctoral theses (Joint international supervision)

ABSTRACT

UAB has recently set its Strategic Plan for the coming decade (Strategic Plan 2018 – 2030). Among the goals of the Strategic Plan of the Universitat Autònoma de Barcelona in the educational field is the one to have "have a quality, flexible and non-uniform teaching offer, adapted to the needs of society and attractive for the labour market which can position the UAB in the national and international university systems". Within this objective, a more internationalized university in certain strategic fields is regarded as a necessity in order to achieve the said objective.

International Cotutelle of doctoral theses is a useful tool, both for university Doctorate programmes that aim to obtain an international mark according to Spanish legislation, as well as for the University itself, as a manner to establish a campus that is interdisciplinary in a context of ongoing pedagogical innovation and international recognition, as stated in UAB's Strategic Plan (2018-2030). In this framework, UAB may establish cotutelle agreements with foreign universities for PhD theses to be written under international joint supervision. For this purpose, PhD students will be assigned a thesis supervisor at each of the two centres subscribing to the agreement. The development of a thesis under the cotutelle system stresses the international aspect of the research, and therefore students must stay at least 6 months research period at each university. Administrative issues need also be taken into account, such as payment of fees, language of the theses, and place of its defence.

Raúl Sánchez Fernández, *Professor in the Department of Physics, Member of the Academic Committee of the PhD Program in Nuclear Fusion and Plasma Physics, Universidad Carlos III de Madrid*

TITLE: Objectives, hurdles, and challenges in the set-up and management of joint PhD programs: Lessons learnt from the experience of the FUSION DC consortium.

ABSTRACT

Fusion DC is a three-year joint PhD program coordinated by the University of Gent in Belgium in the context of nuclear fusion science and engineering. The program is focused on a number of research fields that investigate some of the most important challenges that need to be addressed for making fusion energy a reality in the near future. The program is offered by a consortium of 29 EU partner institutions (9 full partners including UC3M plus 20 associated partners), the ITER organisation and 14 associated non-EU partners. In this presentation I will describe how the consortium was set up, the role that UC3M has played and still plays in it and briefly go through the good, the bad and the ugly of our experiences during these years as an integral partner of this joint international PhD program.



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