



5th JIPI

Jornada d'Investigadors Predoctorals Interdisciplinària

February 9th, 2017. Universitat de Barcelona

Let's play the science!

8.30–9.00	Registration
9.00–9.30	Opening
9.30–10.30	Session I - Applied sciences
10.30–11.15	Speed Networking
11.15–12.00	Posters + Coffee Break
12.00–13.00	Session II - Social sciences
13.00–13.50	Debate: women in research
13.50–14.00	Awards I, II and morning posters
14.00–15.00	Lunch (not included)
15.00–16.00	Session III - Life sciences
16.00–17.00	Debate II: doctors and the private sector
17.00–17.45	Posters + Coffee Break
17.45–18.30	Session IV - Humanities
18.30–19.20	Debate III: Education in science
19.20–19.30	Awards III, IV and afternoon posters
19.30–20.00	Closure
20.00–20.30	Closing cocktail

Opening

Excm. i Mgfc. Joan Elias	Rector of Universitat de Barcelona
Dra. Victòria Nogués	Academic secretary of the doctorate school of Univeristat Autònoma de Barcelona
Sra. Paula Córdoba	JIPI Organizing Committee

Session I. Science Invaders

Applied sciences
Chairman: Aleix Garcia

- "Collective behavior of drunk-runners" by **Javier Cristin, Joan Codina**
- "Collective human mobility experiments for urban spaces: data and models using complex systems science." by **Enric Sanmarti**
- "Taking the Pulse of the Ocean" by **Ignasi Vallès Casanova**
- "Fixing the Broken Telephone" by **Ivan Bailera, Carlos Vela**
- "3D printing with metals: An exciting opportunity for the manufacturing industry" by **Eric Neiva**
- "See underneath. High Performance Computing, Geophysics and Electromagnetic Methods" by **Octavio Castillo Reyes**

- “Hot future for cold superconductors – research in materials science” by **Júlia Jareño, Alexander Stangl**
- “Employing Socially Assistive Robotics to Empower Cognitive Stimulation” by **Jainendra Shukla**
- “Green chemistry from a computational point of view: New low cost materials to produce and take profit of hydrogen” by **Sergi Posada, Oriol Lamiel, Alberto Figueroba**

Speed Networking

Dynamic meeting activity for all the attendees.

Poster session

Check the contributed posters while you enjoy our delicious coffee break.

Session II. PhD Sims: Social Stories

Social sciences

Chairwoman: Mariña López

- “Single-mothers’ time allocation” by **Núria García-Saladrigas**
- “Measuring Social Welfare within the Mental Health Complex Ecosystem through collective research and citizen science practices” by **Anna Cigarini**
- “Evaluation of the impact of ambient temperatures on work-related injuries in Spain” by **Erica Martínez Solanas**
- “Change your world in 3 steps, if all participants want! Method of Social Interaction in Communication (MisCom, Spanish acronym)” by **José Miguel Gámez Pérez**
- “Hamas’ Press releases: a Critical Discourse Analysis Study” by **Pamela Murgia**
- “Computer Simulation to understand the co-evolution of culture and economy.” by **Simon Carrignon**
- “Impact of aging in long-run economic growth: an analysis based on patterns of consumption, labor market, age structure, and relationships about economic dependency of the population: Bogota (Colombia) 1985 – 2015” by **Romel Rodríguez Hernández**
- “Submarine cables: problems of legal regulation under International Law” by **Daria Shvets**
- ““Give me a chance and I’ll take it from here”— Language policy and indigenous languages: Latin American and European experiences applied in Mexico” by **Daniel Isaac Hernández Espíndola**
- “Quan demanes un desig. . . Walt Disney in Catalan Language” by **Jorge Pérez de la Torre**

Debate: Women in research

Moderator: María Coto

Invited speakers:

Dra. Nadia Campo Woytuk

Engineer and programmer at Visyon. Coworker at Girls in Lab giving classes and organizing workshops for teaching programming to girls.

Dra. Nuria Salan

lecturer at UPC and president of the Catalan Society of Technology. Coordinator at Genweb.

Dra. Maribel Ponferrada

PhD in Social and Cultural Anthropology by the UAB. Researcher at the project FP7EGERA-Effective Gender Equality in Research and the Academia at the UAB observatory for gender equality and member of the same institution.

Dra. Marta Casanellas

Associate professor at UPC. President of the Women and Maths commission of the Spanish Mathematical Royal Society. Coordinator at the working group "Sostre de Vidre" of the UPC.

Awards I, II and morning posters

Awards presented by **Prof. Lluís Garrido** director of the Institute of Cosmos Sciences.

Session III. Biokémon: Gotta evolve'em all!

Life sciences

Chairwoman: Mireia Tarrés

- *"Single-Molecule Study of an RNA Thermosensor"* by **Aurelien Severino, Laura Asensio Puig**
- *"Nanoparticles for DNA lesions detection"* by **Judit Morlà Folch**
- *"Cultured Neuronal Networks"* by **Estefania Estevez Priego, Lluís Hernández Navarro**
- *"Epigenetic therapies: new strategies for the treatment of neuroblastoma"* by **Carlos Jiménez Jiménez, Luz Jubierre Zapater**
- *"Brain tumors and environmental risk factors in young people- A literature review"* by **Angela Zumel Marne**
- *"Boiling the frog: thermal adaptation in mountain tropical frogs"* by **Pol Pintanel Costa**
- *"IS IT SAFE TO DRINK OUR WATER?"* by **Juan Francisco Ayala Cabrera, Clara Pérez Ràfols, Alejandro Fernández Pumarega**
- *"Effect of body weight and composition on lung function development in adolescents and decline in adults"* by **Gabriela Prado Peralta**

Debate II: doctors and the private sector

Moderator: Paula Córdoba

Invited speakers:

- Melchor Sanchez** Scientific Chief Officer of MindTheByte company, biotechnology start-up focused to drug-discovery using bioninformatics. PhD in theoretic chemistry by the UB.
- Jose San Pedro** Currently data scientist at Schibsted Media Group, previously researcher at Telefónica Research and software engineer at other companies. PhD in computer vision by UPM.
- Eduardo Sanchez** Currently working at BSC projects for Repsol. PhD in computational science by San Diego State University.

Poster session

Check the contributed posters while you enjoy our delicious coffee break.

Session IV. Page of Empires: The Rise of Humanities.

Humanities

Chairwoman: María Coto

- *"'Permanent opposition': How to resist technology according to George Orwell"* by **Oriol Quintana**
- *"Visions of North America. Space and travel in the narratives of Henry Miller and the Beat Generation"* by **Lucía Puebla**
- *"World Heritage sites management and local communities participation. The case of archaeological sites in Mexico."* by **Amilcar Vargas**
- *"Representations and visual impacts of the iconoclastic processes of Wittenberg (1517-1522) in 16th century German art."* by **Ariadna Sotorra Figuerola**
- *"The Hebrew encyclopedia Sha'ar ha-Shamayim by Gershon ben Shlomoh. How to build knowledge by building language."* by **Albert Lizandra**

- “Is that English you are speaking? Towards a more L1-supported English language learning” by **Nune Ayvazyan**
- “A/r/tography and intermediality, two approaches to educational research” by **Karo Kunde**
- “Jazz English oral skills up! – Rhythm instruction as a tool to improve English second language speakers’ prosody” by **Leticia Quesada Vázquez**
- “Gamification in the foreign language classroom: too cool for school?” by **Ljubica Damevska**
- “Narratives and sceneries: The Cathedral of Tarragona as a case study.” by **Xènia Granero Villa**

Debate III: Education in Science

Moderator: Joan Codina

Invited speakers:

- Xavi Gimenez** PhD in chemistry, associate professor at the material science and physic chemistry department in UB.
- Angela Garcia Lladó** Physicist, specialist in science dissemination and lecturer of didactics in experimental sciences at UB.
- Silvia Lope** PhD in chemistry, researcher and lecturer at the Institut de Química Computacional i Catàlisi of UdG. Chair of scientific culture and digital communication (C4D), which has the objective of promoting the research in the intersection of communication, science, and ICT fields.

Awards III, IV and afternoon posters

Awards presented by **Dr. Eugeni Grauges Pous** research vice-dean of the Schools of Physics, University of Barcelona.

Closure

- Dr. Fernando Orejas** Vice Rector of Research of Universitat Politècnica de Catalunya.
- Dr. Joan Domènec Ros** President of *Institut d’Estudis Catalans*
- Sr. Sergi Posada** JIPI organizing committee

Organizing committee: Jesús Bonilla, Joan Codina, Paula Córdoba, María Coto, Aleix Garcia, Mariña López, Ignacio Morer, Marc Olm, Daniel Pacheco, Daniel Pastrana, Sergi Posada, Mireia Tarrés and Xavier Viader.

With the support of:

