





URSZULA CZERWINSKA

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EDUCATION

- 2015** **Master of Science**
Interdisciplinary Approaches to Life Sciences (AIV)
Center for Interdisciplinary Research (CRI), Paris Diderot
Grades: 16.82/20 **summa cum laude** 1st/12
- 2013** **Double Bachelor of Science**
Biology-Mathematics in UPMC, Paris VI
Grades: 14.04/20 **cum laude**
- 2013** **Exchange Student**
National University of Singapore, Singapore
Grades: 3.45/5.0
- 2010** **Matura**
French-Polish Bilingual High School, Warsaw, Poland
Grades: 94.44%/100% **summa cum laude**

LANGUAGES

Polish **native**
English **fluent**
French **fluent**
Spanish **communicative**
Russian **basic**

COMPETENCES

Systems biology
Computational biology
Synthetic biology
Programming
Data Science

RESEARCH EXPERIENCE

- 2015-** PhD candidate Institute Curie, Paris Descartes
- Deconvolution of cell and environment specific signals and their interactions from complex mixtures in biological samples**
Systems biology, systems immunology, complex systems
- Internships
- 2015** Paris Descartes University, Paris metro **microbiome study** (3,5 months)
Microbiology
- Pasteur Institute, Systems biology lab. **Biomarker discovery of dengue disease** (4,5 months)
Computational biology
- 2014** iGEM competition. Paris Bettencourt team. **Human skin microbiome engineering** (4 months)
Synthetic biology
- Institut Curie, Computational Systems Biology of Cancer team. **Data-driven layout of biological networks** (5 months)
Systems biology
- 2013** Montpellier University II, Systems Biology and Statistical Physics lab, **Mechanistic model of Syk protein kinase and its downstream pathways** (2 months)
Systems biology
- 2012** CNRS Roscoff, Bioinformatic analysis in Marine Biology group. **Development of a GUI for the raw mass spectrometry data through the platform Galaxy.org** (1 month)
Bioinformatics

PUBLICATIONS

Beal, Jacob, et al. "Reproducibility of Fluorescent Expression from Engineered Biological Constructs in E. coli." PloS one 11.3 (2016): e0150182. (as **iGEM Interlab study contributor**)

Czerwinska et al. "DeDaL: Cytoscape 3 app for producing and morphing data-driven and structure-driven network layouts." BMC systems biology 9.1 (2015): 1.

Pierre Pericard, Gildas Le Corguillé, **Urszula Czerwinska**, Marion Landi, Franck Giacomoni, Christophe Duperier, Jean-François Martin, Sophie Goulitquer, Estelle Pujos-Guillot and Christophe Caron. A Small Step into Galaxy, a Faster Pace for Metabolomics. Session parallèle Jobim 2013, Toulouse & RFMF 2013, Amiens (Talk).

Gildas Le Corguillé, Pierre Pericard, **Urszula Czerwinska**, Marion Landi, Franck Giacomoni, Christophe Duperier, Jean-François Martin, Sophie Goulitquer, Estelle Pujos-Guillot and Christophe Caron. A Small Step into Galaxy, a Faster Pace for Metabolomics. Galaxy Community Conference 2013, Oslo (Talk).

ACHIVEMENTS

speaker

2016 120 sec. pitch to general public "My scientific activity" JSM, Institut Curie
International Conference of Extraction and Management of Knowledge, Big graphs and bioinformatics workshop
Reims, France

2015 Mash up start-up pitch competition – 2nd runner-up Paris, France

Art & Design prize, gold medal

Paris Bettencourt team, iGEM competition Boston, MA, USA

travel stipend award, best computational biology poster prize, speaker

Perspectives in Environmental and Systems Biology international conference (BEeSy) Grenoble, France

2014 1st runner up in a modeling challenge, travel stipend

Dresden Summer School in Systems Biology Center of Systems Biology Dresden (CSBD) and the International Max Planck Research School (IMPRS-CellDevoSys), Germany

OTHER EXPERIENCE

2016 **Data Science Ambassador** at Pivigo.
Communication as @UlaLaParis

2015 **Start-up co-founder**
Eco-Smart Solutions at L'Open Lab, Paris. Probiotic cleaners

Association General Secretary

Open Science School, Innovative education for high schools

2014 **Tutoring**

Computational Biology, Licence FdV 2nd year

Class for researchers on Data Visualization Curie Institute, Paris

Workshops

BODYWARE: bio-design, "Second skin" project

Volunteering

event animator, Pint of Science, Paris

community manager: administrator of the Facebook page

scientific education: article writing, events and workshops organization
at WAX-science, Association for science without stereotypes, Paris, France

CERTIFICATES

Marketing and Business Strategies
Smart Albinos online course

Machine Learning
Stanford University, online course

Elevator pitch course
Speak the Speech consulting

English certificate **TOEFL C1**

Spanish **B2** course diploma

INTERESTS

○ DESIGN ○ OPEN NETWORKING
○ TRAVELLING ○ FINTECH
○ TECH ○ INNOVATION ○ CUISINE