

personal info

postdoctoral researcher

Semel Institute for Neuroscience and Human Behavior
David Geffen School of Medicine
University of California, Los Angeles (**UCLA**)
USA

born: 13th February 1988, Torino, Italy

nationality: Italian

academic career

postdoctoral researcher, sept 2018 - current

Semel Institute for Neuroscience and Human Behavior
David Geffen School of Medicine
University of California, Los Angeles (**UCLA**)
USA

postdoctoral researcher, nov 2016 - aug 2018

Departament d'Enginyeria Informàtica i Matemàtiques
Universitat Rovira i Virgili
Tarragona, Spain.

postdoctoral researcher, oct 2015 - sept 2016

Pierre Louis Institute of Epidemiology and Public Health
INSERM & Université Pierre et Marie Curie
Paris, France.

education

PhD in Epidemiology and Public Health, 2015

Sorbonne Université, Paris, France
Supervisor: Dr V Colizza (INSERM, Sorbonne U).
Final thesis: *Computing the vulnerability of time-evolving networks to infections*.
Final defence: Oct 13 2015.

MSc in Theoretical Physics, 2012

University of Torino, Italy
Mark: 110/110 con lode e menzione (*cum laude*).
Supervisors: Prof. M Caselle (University of Torino), Dr V Colizza.
Final thesis: *Dynamic networks and spreading processes*.
Final defense: October 2012

Diploma, School of Superior Studies, 2012

University of Torino, Italy
Mark: 70/70 con lode (*cum laude*).
Supervisor: Prof. R Ricci (Dept of Psychology, University of Torino).
Final thesis: *Mathematical modeling of anisometries in space perception induced by Unilateral Spatial Neglect*.
Final defense: December 2012

BSc in Physics, 2010

University of Torino, Italy
Mark: 110/110 con lode (*cum laude*).
Supervisor: Prof. M Rasetti (ISI Foundation).
Final thesis: *A study of algorithms of quantum computation*.
Final defense: July 2010

additional training

2016 - Generalized Network Structures and Dynamics, Ohio State U, Columbus, Ohio, USA.

2014 - ECCS Warm-up: school of complex networks. Lucca, Italy

2014 - Summer Institute of Statistical Modeling of Infectious Diseases.

University of Washington, Seattle, WA, USA.

2014 - Complex Networks Thematic School.

Les Houches School of Physics. Les Houches, France.

2014 - Regression analysis. Prof. S. Lemeshow,

EHESP School of Public Health, Paris, France.

2014 - Regression Analysis in veterinary Public Health and Food Safety, University of Turin, Italy.

2013 - Epidemiological surveys and surveillance in cattle holdings. **Istituto Zooprofilattico**, Teramo, Italy.

2013 - Modeling of Infectious Diseases.

Institut Pasteur, Paris, France

selected scientific publications

E Valdano, S Manrubia, S Gómez, A Arenas
Endemicity and prevalence of multipartite viruses under heterogeneous between-host transmission
PLOS Computational Biology (2019).

E Valdano, M Re Fiorentin, C Poletto, V Colizza
Epidemic threshold in continuous-time evolving networks
Physical Review Letters (2018).

A Darbon, E Valdano, C Poletto, A Giovannini, L Savini, L Candeloro, V Colizza
Network-based assessment of the vulnerability of Italian regions to bovine brucellosis
Preventive Veterinary Medicine (2018).

E Valdano, C Poletto, V Colizza
Infection propagator approach to compute epidemic thresholds on temporal networks:
impact of immunity and of limited temporal resolution
European Physical Journal B (2015).

E Valdano, L Ferreri, C Poletto, V Colizza
Analytical computation of the epidemic threshold on temporal networks
Physical Review X (2015).

E Valdano, C Poletto, A Giovannini, D Palma, L Savini, V Colizza
Predicting epidemic risk from past temporal contact data
PLoS Computational Biology (2015).

for a full list visit <https://eugenio-valdano.github.io/publications.html>

talks, seminars & lectures

6 invited talks

EPFL Network Science in Engineering
(June 2019, Lausanne, Switzerland)

PyCon Balkan
(November 2018, Belgrade, Serbia)

NETDELY Satellite Meeting at NetSci 2018
(June 2018, Paris, France)

LIVESTOCK NETWORKS Satellite Meeting
at NetSci 2018 (June 2018, Paris, France)

ECCMID Europ. Congress of Clin. Microbiology
and Inf. Diseases (2015, Copenhagen, Denmark)

14 contributed talks
at international conferences (2013-2019).

9 invited seminars
in research institutions (2013-2019), among which
University of Oxford, Pasteur Institute.

1 Databeers (2015, Torino, Italy).

1 Lecture
Mediterranean School in Complex Networks
(2017, Salina, Italy)

organization activities / dissemination

NetSci2018, Paris, France
Co-chair of Design.

Complexity72h Workshop, Lucca, Italy
Founder & organizer

ICPS 2017, Torino, Italy
Organizer of the Int.nal Conf. of Physics Students,
Aug 7-14 2017.
400+ physics students from 45 countries, budget 170k euros.

Complex Systems Society (CSS)
member, since 2013,
council member, since 2016.

talk @ Databeers Paris 2019

dissemination talks
at student conferences, and in high schools.

IT skills

OS
Mac, Linux, and Windows (limited).

programming & data analysis
advanced skills: **C++**, **Python**, Mathematica,
*including Python libraries for data analysis, machine
learning and plotting (numpy, scipy, pandas, scikit-learn,
etc.)*
limited skills: R, Stata, GIS systems.

databases
SQL.

web
PHP, HTML, Javascript.

graphics & design
Adobe Illustrator, Adobe InDesign.

language skills

Italian - mother tongue.

English - full proficiency (CAE grade A - Europ. C2).

French - full proficiency.

Spanish - professional proficiency.

Catalan - elementary proficiency.

Serbian-Croatian - elementary proficiency.

awards

2019 - New Investigator Scholarship, International Anti-viral Society - USA.

2011 - Optime Award, Employers' Association of Turin, Italy.

2010 - Italian Ministry of Education Award.