UNIBO

OPEN SCIENCE 2019

ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA
CAMPUS DI CESENA

30th of September

OPEN STATISTICS

Methods and Thinking in Psychological Research

1st of October

OPEN YOUR EYES

Eye movements in vision research: bridging the gap between scientific disciplines

GOAL

Although the new technologies allowed science to reach its goals much faster than in the past, the epistemological debate around scientific research probably did not keep up to such acceleration. Even within the academic world, very few pay close attention to the current debate on the so-called "**replication crisis**", which refers to the impossibility to replicate published research on subsequent investigation. This crisis has affected not only psychology, but also other branches of science, such as sociology, medicine, and economics. Indicated by many as the highway to face the replication crisis, the practice of **sharing knowledge** is pushing its way into modern science.

Sharing largely concerns **academics**, who are asked to make every detail of their research available to their peers, but it also concerns stronger efforts in the outreach to the **non-academic community**. The symposium aims to respond to the need for a continuous **discussion** around these issues.

This symposium will celebrate the retirement of **Prof. Roberto Bolzani**, Engineer, Professor of Psychometrics, which in the last 40 years has contributed dissemination of science with his publications and by teaching statistics to medicine and psychology students.

SPEAKERS AND AUDIENCE

The symposium is organized in two days:

The **first day** deals with the general theme of the replication crisis in scientific research, the comparison between different statistical approaches used for scientific demonstration, and the importance to spread accurate statistical thinking amongst both academics and the general society.

The **second day** develops the reflection on a particular research topic that connects psychology with other scientific disciplines, such as medicine and engineering: the study of eye movements.

International leading **scientist** are invited to present their contribution to this symposium.

Researchers from the academic and industrial world, **students, professors**, **scholars**, **journalists**, **publishers** and all of those who write and benefit from scientific knowledge are encouraged to participate.

The symposium will be free of charge for all participants!

PROGRAM – DAY 1

8:30 - 9:00	**Registration and welcome**	
9:00 - 10:30	**REPRODUCIBILITY AND OPEN-SCIENCE**	Chair: **Giuseppe di Pellegrino** (University of Bologna, Italy)
		Speakers: **Massimo Grassi** (University of Padua, Italy) **Agnoli Franca** (University of Padua, Italy) **Marco Perugini** (University of Milano-Bicocca, Italy)
		Open discussion
10:30 - 11:00	**Break**	
11:00 - 12:30	**UPDATE ON BAYESIAN VS FISHERIAN INFERENCE**	Chair: **Mariagrazia Benassi** (University of Bologna, Italy)
		Speakers: **Eric-Jan Wagenmakers** (University of Amsterdam, Netherlands) **Herbert Hoijtink** (University of Utrecht, Netherlands) **Massimiliano Pastore** (University of Padua, Italy)
		Open discussion
12:30 - 14:00	**Break**	
14:00 - 16:00	**SPREADING STATISTICAL THINKING**	Chair: **Sara Garofalo** (University of Bologna, Italy)
		Speakers: **Regina Nuzzo** (Gallaudet University, USA) **Robert Calin-Jageman** (Dominican University , USA) **Patrizia Agati** (University of Bologna, Italy)
		Hands-on: ideas and next steps

PROGRAM – DAY 2

"Eye movements in vision research: bridging the gap between scientific disciplines"

9:00 -9:20	**Welcome and opening - Gunnar Lennerstrand** (Karolinska Institutet, Sweden)	
9:20 - 10:20	**EYE MOVEMENTS IN CLINICAL CONTEXTS**	Chair: **Gunnar Lennerstrand** (Karolinska Institutet, Sweden) Speakers: **Agneta Rydberg** (Karolinska Institutet, Sweden) **Kerstin Hellgren** (Karolinska Institutet, Sweden) **Herman Schworm** (Germany) Open discussion
10:20 - 10:50	**Break**	
10:50 - 11:50	**EYE MOVEMENTS, ATTENTION AND PERCEPTION**	Chair: **Francesca Frassinetti** (University of Bologna, Italy) Speakers: **Alessandro Piras** (University of Bologna, Italy) **Galfano Giovanni** (University of Padua, Italy) **Caterina Bertini** (University of Bologna, Italy) Open discussion
11:50 – 12:20	**Break**	
12:20 - 13:20	**METHODS AND ANALYSIS FOR EYE MOVEMENTS**	Chair: **Sara Giovagnoli** (University of Bologna, Italy) Speakers: **Ygge Jan** (Karolinska Institutet, Sweden) **Tony Pansell** (Karolinska Institutet, Sweden) **David Melcher** (University of Trento, Italy)

INFO

Registration is free for all participants!

Please visit our website to reserve you place.

September 30th - October 1st, 2019

University of Bologna - Department of Psychology
Piazzale Aldo Moro, 90, Cesena (FC) - Italy

https://eventi.unibo.it/open-statistics-2019

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https://www.facebook.com/events/309575409987702/

https://www.instagram.com/openstatistics/

INFO

Scientific Committee

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