



SUMMER SCHOOL NEUROSCIENCE 2026

PhD Neuroscience
Coordinator Prof. Lino Nobili

SAVE THE DATE:
FROM JUNE 29 TO JULY 02
&
SEPTEMBER FROM 14 TO 18

SUMMER SCHOOL - PART 1

June 29 - July 02 2026

DAY	TOPIC	COORDINATION	CHAIR
MONDAY 29	ROBOTICS BETWEEN COGNITION AND MIND PHILOSOPHY	PROF. GIULIO SANDINI PROF.SSA SERENA LECCE	PROF. FABIO BENFENATI PROF. LINO NOBILI
TUESDAY 30	MOTOR & SPORT	PROF. ATTILIO CARRARO PROF. MAURIZIO BALESTRINO PROF. RICHARD KREIDER	PROF. PIERO RUGGERI PROF.SSA EMANUELA FAELLI PROF. MAURIZIO BALESTRINO
WEDNESDAY 01	ELECTROPHYSIOLOGICAL TECHNIQUES	PROF. PIETRO BALDELLI PROF. PAOLO MASSOBRIO PROF. GABRIELE ARNULFO	PROF. PIETRO BALDELLI
THURSDAY 02	PHD DAY 1	PHD STUDENT II & III YEAR	PROF. DARIO ARNALDI PROF.SSA ANNA FASSIO



SUMMER SCHOOL - PART 2

september 14-18 2026

DAY	TOPIC	COORDINATION	CHAIR
MONDAY 14	NEUROMODULATION	TBD	PROF. MARINELLI
TUESDAY 15	SCIENTIFIC WRITING (GRANT &THESIS)	PROF. FABIO BENFENATI PROF. FEDERICO ZARA	PROF. FABIO BENFENATI PROF. FEDERICO ZARA
WEDNESDAY 16	MOTOR LEARNING	TBD	PROF.SSA ELISA PELOSIN PROF. MARCO TESTA
THURSDAY 17	COMMUNICATION SKILLS	DOTT. JACOPO PASOTTI	PROF. FABIO BENFENATI
FRIDAY 18	PHD DAY 1	PHD STUDENT II & III YEAR	PROF.SSA LAURA AVANZINO PROF. PARDINI

MONDAY JUNE 29

Auletta - Monoblocco Chirurgico

Via Antonio De Toni 16

ROBOTICS BETWEEN COGNITION AND MIND PHILOSOPHY

CHAIR: Prof. Lino Nobili & Prof. Fabio Benfenati

09:30 - 12.30 am - Prof. Giulio Sandini (Italian Institute of Technology)
Cognition in humans and robots

02:30 - 16.30 pm - Prof.ssa Serena Lecce (University of Pavia)
ToM across the life span: tasks, individual differences, and new d«Al»rections

TUESDAY JUNE 30

Aula 6 - Polo Didattico Alberti
l.go Alberti 4

MOTOR & SPORT SCIENCE

CHAIR: Prof. Piero Ruggeri & Prof.ssa Emanuela Faelli

09 - 12 am - Prof. Attilio Carraro (University of Bolzen)
Physical activity and mental health: Directions for research

03.00 pm - Prof. Maurizio Balestrino (University of Genoa)
From Muscle to Mind: The Expanding Science of Creatine
Creatine: Sources, Functions, and Metabolism

03.30 pm - Prof. Richard Kreider (Texas University)
Creatine Supplementation in Sport: Evidence and Practical Applications

4.30 pm - Prof. Maurizio Balestrino (University of Genoa)
Creatine supplementation in muscle and brain conditions





WEDNESDAY JULY 01

Aula 5 - Polo Didattico Biomedico (EX Saiwa)

Viale Benedetto XVI

ELETTROPHYSIOLOGICAL TECHNIQUES

CHAIR: Prof. Pietro Baldelli

09:15 Welcome

09:30- 11 am Prof. Pietro Baldelli (DIMES - University of Genoa)

Patch-Clamp: Listening to the Electrical Language of Neurons

11:30 am- 01.00 pm - Prof. Paolo Massobrio (DIBRIS - University of Genoa)

On the road to achieving brain-on-a-chip using MEA technology

02:30 -04:00 pm - Prof. Gabriele Arnulfo (DIBRIS - University of Genoa)

Advanced EEG Analysis Techniques



THURSDAY JULY 02

Aula 6 - Polo Didattico Alberti

l.go Alberti 4

PHD DAY 1

CHAIR: Prof. Dario Arnaldi & Prof.ssa Anna Fassio

The background is a dark blue gradient. It features several stylized illustrations of brain components. In the top left, there is a pink, textured brain. Scattered around are various neurons: some with blue cell bodies and branching dendrites, others with red myelin sheaths. In the bottom right, a large neuron is shown with a blue cell body, branching dendrites, and a long axon wrapped in red myelin. The text "Thank You" is centered in a white, serif font.

Thank You