



neuroscience
school of
advanced
studies

2017

Advanced Courses & Workshops

Certosa di Pontignano, Siena





The Neuroscience School of Advanced Studies
is the home of Advanced Courses and Workshops in:

Cellular & Molecular Neuroscience
Cognitive Neuroscience
Neuroscience, Society & Public Policy

Broadening Horizons

Inside the lecture rooms and around the fascinating atmosphere of the ancient Certosa di Pontignano the world's leading investigators discuss scientific challenges with a small, highly selected number of participants in a unique setting, nestled within the most idyllic landscapes of Tuscany, in the outskirts of Siena.

For one intense week participants work alongside faculty that are undisputed leaders in their own field: the result is a profound experience that fosters professional and personal development.

In a proven, unique format participants are exposed to a high-impact learning experience, taking them outside the comfort zone of their own technical expertise, that empowers them with new analytical and strategic skills across areas of neuroscience.

Participants gain a heightened awareness for fields of neuroscience relevant for their activity and, perhaps most important, they gain a place within an elite global network of neuroscientists.

The venue provides the perfect setting to a relaxed yet intense learning atmosphere, with the stunning backdrop of the Tuscan landscapes. World-class wines and traditional foods make each Advanced Course and Workshop the experience of a lifetime.

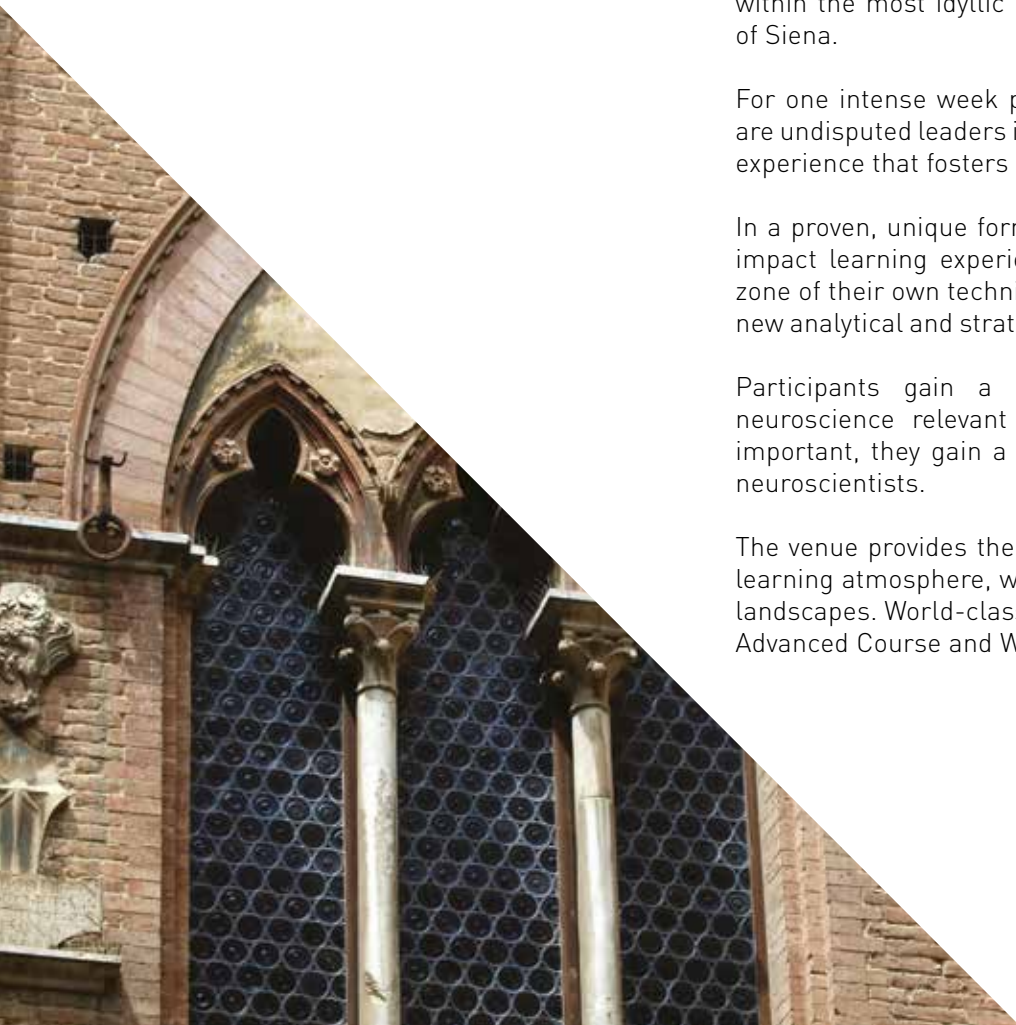
A Unique Experience

The Advanced Courses and the Workshops at the Neuroscience School of Advanced Studies are carefully designed and orchestrated to maximize the potential for interaction between the faculty and participants in a very friendly and unintimidating atmosphere.

Learning from the leaders, participants discard outdated notions, gain an appreciation for the latest ideas, and develop insights that create in them fresh perspectives in their own field of research or professional activity. Participants return with a tremendous reserve of strategic thinking that can be put to immediate use, as well as mobilized as contingencies demand.

The Advanced Courses and Workshops are not a summer school suited only for younger scholars. Rather, a significant proportion of seasoned investigators is regularly present among the attendees, often senior faculty at their own institutions. The balanced audience in each Advanced Course and Workshop greatly contributes to the development of intense cross-disciplinary debates among faculty and participants that typically address the most advanced and emerging areas of each topic.

Each faculty member presents lectures and discusses with the participants for one entire day. Such long interaction, together with the small, exclusive size of the Advanced Courses and Workshops, provides the uncommon opportunity to fully explore the expertise of each faculty, often through one-to-one mentoring. This is unparalleled and priceless.



2017

Advanced
Courses

Molecular Neuroscience

April 22-29

CONNECTOMICS

Coordinator:

Sean Hill (Switzerland)

May 6-13

NEUROINFLAMMATION

Coordinator:

Michal Schwartz (Israel)

May 13-20

CHRONIC PAIN

**Plasticity & Therapeutic
Perspectives**

Coordinator:

A. Vania Apkarian (USA)

May 20-27

NEURAL STEM CELLS

Development and Brain Repair

Coordinator:

Elena Cattaneo (Italy)

May 28-June 4

LEARNING AND MEMORY

Cellular and System Mechanisms

Coordinators:

S. Tonegawa & A.J. Silva (USA)

Advanced
Courses

Cognitive Neuroscience

June 10-17

**THE NEURAL FRAMEWORK
OF MORAL COGNITION**

Coordinator:

Patricia Churchland (USA)

June 24-July 1

**SOCIAL AND COGNITIVE
NEUROSCIENCE OF THOUGHT**

Coordinator:

Rebecca Saxe (USA)

July 1-8

**BRAIN NETWORKS
OF OBJECT AND
CONCEPTUAL KNOWLEDGE**

Coordinator:

Alfonso Caramazza (USA)

July 8-15

SLEEP AND COGNITION

Coordinator:

Chiara Cirelli (USA)



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Molecular Neuroscience

August 19-26

NEUROEPIGENETICS

Coordinator:

Schahram Akbarian (USA)

August 26 - September 2

**STRUCTURAL AND
SYNAPTIC PLASTICITY**

Coordinator:

Robert Malenka (USA)

September 1-8

**COGNITIVE DECLINE
AND AGING**

Coordinator:

John Morrison (USA)

September 17-24

SINGLE CELL OMICS

Coordinator:

James Eberwine (USA)

September 17-24

**THE NEUROSCIENCE
OF OBESITY**

Coordinator:

Tamas Horvath (USA)

Workshops

Neuroscience, Society & Public Policy

May 3-6

**NEURAL BASIS OF POLITICAL
BEHAVIOR**

Coordinator:

John T. Jost (USA)

October 9-13

**NEUROECONOMICS OF SIMPLE
CHOICE AND UNCERTAINTY**

Coordinator:

John O'Doherty (USA)

October 16-20

**NEUROSCIENCE, RESPONSIBILITY
AND THE LAW**

Coordinator:

Henry T. Greely (USA)

October 23-27

ETHICS OF NEUROENHANCEMENT

Coordinator:

John Harris (UK)

The Comprehensive Neuroscience Program

The Comprehensive Neuroscience Program offers the opportunity to benefit from all of the NSAS activities of the Year 2017, with two separate Programs, one tailored for Junior Scholars, one for Senior Scholars.

The Junior Program

At the NSAS the world leaders of neuroscience conduct Advanced Courses and Workshops. The Junior Scholar Program is a separate program, taught by the same professors, structured in dedicated class, with content tailored to the level and needs of junior scholars.

The Program is held in Siena, Italy and is clustered in four Terms. The students may choose to remain onsite for the entire Program OR join only for the weeks of lectures and exams, Dates: April 1, 2017 to December 15, 2017.

There will be several weeks throughout the Program which are either free or dedicated to home study. These weeks may be used to visit Italy and Europe or to return home.

The Program is suited for graduate students or senior undergraduate students of disciplines related to neuroscience including biology, biotechnology, medicine.

The Program is also open to students of disciplines for which neuroscience is increasingly becoming an important component including, among others, economics, law, political sciences, ethics, philosophy.

The Program provides a very solid background in all areas of neuroscience, upon which future career development in many different fields can rely.

Learn more about Admission Requirements, Academic Guidance, Assessment. Exams and Credits, Housing and Social Life: www.nsas.it

The Senior Program

The Program is a short sabbatical during which participants will access all of the NSAS Advanced Courses and Workshops of the Year 2017 in Siena, Italy.

The Program will start on April 22, 2017 and will continue until October 27, 2017. Participants may remain onsite for the entire period OR join only for the actual weeks of Advanced Courses and Workshops.

The Program for Senior Scholars lasts approximately 6 months with 8 free weeks throughout the Program, as described in the Scientific Program section.

The Program is suitable for individuals who hold a Faculty, Group Leader or equivalent position. Qualified scholars who have completed their postdoctoral training and are transitioning to a faculty or an equivalent position in a company are also considered.

Highlights:

Participants will deepen into areas of neuroscience outside their own league confronting daily with the world leaders.

Participants will develop a network of worldwide relationships within the NSAS leaders' community.

Participants will broaden their global perspective of neuroscience.

Participants will redefine their leadership skills expanding their academic competence.

Learn more: www.nsas.it





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