

# AN INTERDISCIPLINARY AND TRANSLATIONAL MODEL FOR DOCTORAL TRAINING IN NEUROSCIENCE: THE MILANO-BICOCCA PHD PROGRAM

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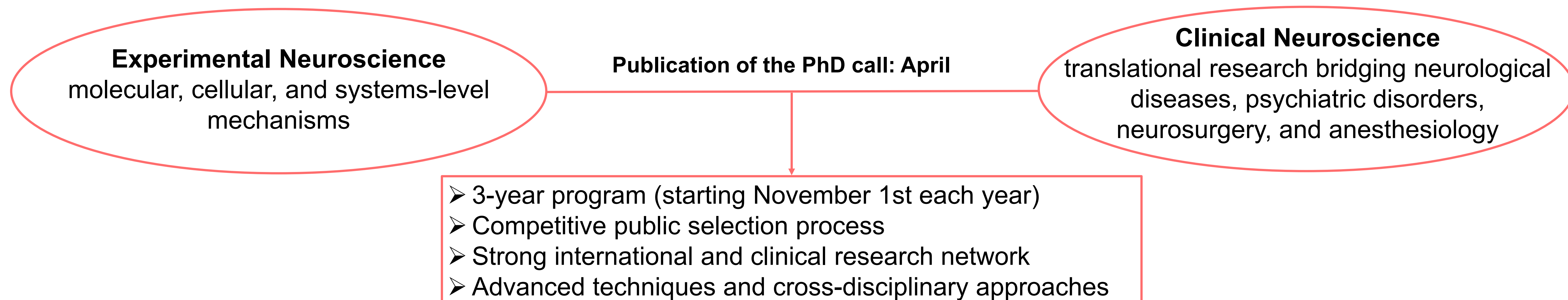
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## From Bench to Bedside: where Research meets Healthcare

The **PhD Program in Neuroscience** at the University of Milano-Bicocca offers a forward-looking, interdisciplinary training pathway that brings together clinical, experimental, and psychological perspectives. At the core of the program are **two complementary curricula** highly interconnected, encouraging collaboration and exchange between students, and promoting a truly integrated and multidisciplinary approach, which define its structure and identity:



### Curriculum in Experimental Neuroscience

**Experimental Neuroscience** explores the mechanisms of brain function and dysfunction through hypothesis-driven research.

Students are **trained** in diverse experimental techniques, including molecular and cellular biology, electrophysiology, and advanced imaging

**Projects** use cellular and animal models to study neurological and psychiatric disorders, enabling controlled investigation of disease mechanisms

The curriculum fosters critical thinking and creativity, encouraging development of **innovative** methods and technologies in neuroscience

Preparing students for high-impact discoveries and **translational** advances in neuroscience

### Curriculum in Clinical Neuroscience

**Clinical Neuroscience** translates discoveries into clinical applications, improving patient care and bridging lab and practice

Students **engage** in clinical trials and neuroimaging studies, contributing to diagnostic and therapeutic protocols

**Training** includes direct patient exposure in hospital settings, working alongside clinicians and researchers

Advancing treatment through neuromodulation, non-invasive brain stimulation, and **personalized medicine**

Training students to **translate** research into improved patient care



## Your future in Neuroscience: Perspectives & Opportunities

### Why choose this PhD program?

Close mentorship by experienced researchers and clinicians

Strong focus on translational impact and real-world applications

Mandatory international research experience

A stimulating environment for scientific and professional growth

Training is highly personalized and includes courses, seminars, and laboratory activities

Graduates are prepared for careers in research, healthcare, and industry

### ORPHEUS Conference 26th - 28th May 2026

We are Mattia and Elena, young researchers in preclinical research and diagnostics, dedicated to improving human health.

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We are waiting for you!

School of Medicine and Surgery in Monza, in close proximity to San Gerardo Hospital

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