

08 OCT 2026

22 DEC 2026

NEURODEGENERATIVE DISEASES

Advanced Course | *Online Course*

6th Edition

ADVANCED
EDUCATION

NOVA MEDICAL SCHOOL



COURSE PRESENTATION

The Advanced Course on Neurodegenerative Diseases (NDD) will focus on the latest advances in clinical and molecular research in the field of chronic neurodegenerative disorders. These diseases have very complex pathophysiological mechanisms and represent a great challenge to clinicians and researchers.

During the last few decades, investigation in this area has demonstrated that the most common NDD - Alzheimer's disease (AD) and Parkinson's disease (PD) - although being different disorders, share some common underlying processes as well as some clinical aspects. This implicates that they should be studied in an integrated manner.

The course is intended to promote the understanding of clinical and diagnostic aspects of these devastating diseases and their association with molecular, biochemical and cellular mechanisms operating in their pathogenesis.

Furthermore, the course will cover the available therapies and those under development, as well as the importance of non-pharmacological treatment. Clinical, brain imaging, biochemical and neuropathological aspects of these disorders will be discussed by experienced neurologists, neuroradiologists, neuropathologists, neuroscientists and neuropsychologists.

6TH EDITION

2,5 ECTS

28 HOURS

Application deadline: **SEPTEMBER 8, 2026**

LEARNING OBJECTIVES

1. To deepen the study of the relationship between nervous system, movement and cognitive function.
2. To expand knowledge concerning cognitive function in the context of different neurological disorders.
3. To recognise the main contributions of the most recent methods of imaging and other biomarkers in the diagnosis of neurodegenerative disorders.
4. To acquire competences in the different proteinopathies and their clinico-biological diagnosis.

COORDINATOR



Luísa Alves, MD

FACULTY

**Alexandre Mendonça
Ana Paula Moreira
Ana Rita Silva
André Caetano
André Pinho
Anushcka Silva-Spínola
Bruna Meira
Carolina Maruta
Cláudia Almeida
Cláudia Guarda
Cristina Costa
Francisco Almeida
Inês Baldeiras
Inês Laranjinha
Isabel Santana
Joaquim Ferreira
João Durães
Joana Damásio
Joana Morgado
Joana Vítor
Leonor Guedes
Manuel Gonçalves Pereira
Marcelo Mendonça
Margarida Rebôlo
Maria José Diógenes
Maria Rosário Almeida
Marisa Lima
Miguel Coelho
Miguel Grunho
Miguel Tábuas Pereira
Paulo Bugalho
Raquel Barbosa
Ricardo Taipa
Rui Albuquerque
Sofia Reimão
Tiago F. Outeiro
Tiago Gil Oliveira
Tiago Mendes**

PROGRAM

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28H

MODULE 1: UNIFYING FEATURES

Session 1 | 08/10/2026

18h00 – 20h00

Course Introduction

Molecular and cellular basis of neurodegeneration

Lipidomics and Brain Imaging in Neurodegenerative Diseases

Session 2 | 13/10/2026

18h00 – 20h00

Lipidomics and Brain Imaging in Neurodegenerative Diseases

Cerebrospinal Fluid Biomarkers in Neurodegenerative Diseases

Session 3 | 15/10/2026

18h00 – 20h00

Nuclear Medicine in Neurodegenerative Diseases

Disorders of Sleep and Neurodegenerative Diseases

Session 4 | 20/10/2026

18h00 – 20h00

Neuro Ophthalmology in neurodegenerative disorders

Neuropsychiatric Features across Neurodegenerative Diseases

Session 5 | 22/10/2026

18h00 – 20h00

Neuromodulation in Neurodegenerative Diseases

Palliative Medicine in Neurodegenerative Disorders

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MODULE 2: COGNITIVE DISEASES

Session 6 | 27/10/2026

18h00 – 20h00

Epidemiology of Alzheimer's Disease and other cognitive diseases
Molecular mechanisms of Alzheimer Disease

Session 7 | 29/10/2026

18h00 – 20h00

Genetics of Alzheimer's Disease
Blood Biomarkers in cognitive diseases

Session 8 | 03/11/2026

18h00 – 20h00

Typical Alzheimer's Disease
Atypical variants of Alzheimer's Disease

Session 9 | 05/11/2026

18h00 – 20h00

Neuropsychology of Mnesic Presentations of Cognitive Disorders
Neuropsychology of Primary Progressive Aphasias

Session 10 | 10/11/2026

18h00 – 20h00

Pharmacological treatment of Alzheimer's Disease

Session 11 | 12/11/2026

18h00 – 20h00

Amyloid Angiopathy
Fronto-Temporal Dementia

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CONT. MODULE 2: COGNITIVE DISEASES

Session 12 | 17/11/2026

18h00 – 20h00

Lewy Body Dementia

Prion Diseases

Session 13 | 19/11/2026

18h00 – 20h00

Non-pharmacological interventions in dementia

Caring for the informal caregivers

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MODULE 3: MOVEMENT DISORDERS

Session 14 | 24/11/2026

18h00 – 20h00

Biological Definition and Genetics of Parkinson's Disease

Session 15 | 26/11/2026

18h00 – 20h00

Cardinal Parkinson's Disease Manifestations: Rest Tremor, Bradykinesia and Rest Tremor

Gait and Postural Instability in Parkinson's Disease and Parkinsonian Syndromes

Session 16 | 03/12/2026

18h00 – 20h00

Atypical Parkinsonian Syndromes

Neuroimaging in Parkinson's Disease and Parkinsonian syndromes

Session 17 | 10/12/2026

18h00 – 20h00

Pharmacological Therapy of Parkinson's Disease

Advanced Therapies of Parkinson's Disease

Session 18 | 15/12/2026

18h00 – 20h00

Physiotherapy in Parkinson's Disease and Parkinsonian Syndromes

Session 19 | 17/12/2026

18h00 – 20h00

Machado-Joseph disease: Clinical aspects and diagnosis

Huntington's disease: Clinical aspects and diagnosis

Session 20 | 22/12/2026

18h00 – 20h00

Motor neuron disease up to date

COURSE FEE: 300€

Application fee: **50€**
Tuition fee (incl. insurance + course meals): **250€**

APPLICATION REQUIREMENTS

Specialists of Neurology, Neurosurgery, Neuroradiology, Psychiatry and Physiatry. Other Doctors, Neuroscientists and health professionals can also be considered for admission after evaluation of the specific case.

CV

ADMISSION CRITERIA

When applying for a course, the applicant agrees to subject personal and professional data. This data will be verified and assessed to check that the applicant meets the admission criteria for the specific programme.

Applications are accepted on a rolling basis during the application window unless there is a priority in the target audience. This may result in applications closing once the limit for number of participants has been reached.

MAX. PARTICIPANTS: 65

ATTENDANCE REQUIREMENTS

For attendance certification as well as awarding ECTS credits and/or CME certification it is mandatory to complete:

- 80% attendance
- Evaluation

LANGUAGE

Portuguese
English

PROGRAM MANAGER



TELMA CHARRUA

ADDITIONAL INFORMATION

For more details, please contact the Program Manager:

T: (+351) 911 191 954

formacaoavancada@nms.unl.pt

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