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# The NO-Age and NO-AD Seminar Series 58

## 'The Link between Oxidative Stress, Redox Status, Bioenergetics and Mitochondria in the Pathophysiology of ALS'

*by*

**Prof. Jose M. Estrela**
Department of Physiology, University of Valencia, Spain

*at*

14:00-15:15 (CET), Wednesday, 08th Dec. 2021
Ahus B2: Grupperom B203.007

Register in advance:
https://uio.zoom.us/webinar/register/WN_HlcQYLZDSFe-9fOdpjzvRw

Organizers:
Evandro F. Fang (UiO), Jon Storm-Mathisen (UiO), Lene Juel Rasmussen (KU), W.Y. Chan (CUHK)

Queries: e.f.fang@medisin.uio.no
Previous recorded talks are available here: https://noad100.com/videos-previous-events/

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**Speaker: Prof. Jose M. Estrela**

**Title: 'The Link between Oxidative Stress, Redox Status, Bioenergetics and Mitochondria in the Pathophysiology of ALS'**

**Abstract: To be updated**

**Biography**:

Jose M. Estrela is Prof. of Physiology at the University of Valencia (Spain) and Director of the Cell Pathophysiology Unit in its Faculty of Medicine. He is M.D. and Ph.D. in Biochemistry and Molecular Biology. He has worked in the laboratories of Prof. Helmut Sies (Heinrich Heine University, Düsseldorf, Germany; oxidative stress), Prof. Alfred J. Meijer (Amsterdam University, The Netherlands; intermediary metabolism), and Prof. Alfred L. Goldberg (Harvard University, Boston, U.S.A.; protein degradation in mammalian cells). At present, his main research area relates to the biomedical applications of natural polyphenols aiming to identify strategies where specific polyphenols may improve the efficacy of different oncotherapies. Alternatively, one of these polyphenols, pterostilbene, has shown efficacy as part of an experimental therapy in patients with ALS. Dr. Estrela is cofounder of a new company, Scientia BioTech, tackling different unmet needs in biomedicine. Its pipeline includes non-ionizing radiation-based applications in oncotherapy, systemic protection against ionizing radiations, and life extension.