



Organizers:  
Paulo J Oliveira  
(Coimbra, Portugal)  
Catarina R Oliveira  
(Coimbra, Portugal)



Coimbra, Portugal, 22-24 May 2019



## Symposium 8 | Neurobiology of Aging

**Organizers:** Catarina Oliveira (Coimbra, Portugal)  
Paula Moreira (Coimbra, Portugal)  
João Malva (Coimbra, Portugal)  
George Perry (San Antonio, TX, USA)

**Day:** Thursday 23 afternoon and Friday 24 morning  
**Meeting room:** Meeting Room Coimbra, Hotel Dona Inês (Congress venue 2)

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### Thursday, 23 May

#### **14.00-16.00 Session 1: Molecular Mechanisms of Aging and Age-related Diseases**

Chairs: Catarina Oliveira (Coimbra, Portugal)  
João Malva (Coimbra, Portugal)

14.00-14.25 **Memory and the aging brain**

Carol Barnes (Tucson, USA) (20min + 5min)

14.25-14.50 **Imbalance of adenosine neuromodulation is responsible for the dysfunction of synaptic plasticity and memory on ageing**

Rodrigo Cunha (Coimbra, Portugal) (20min + 5min)

14.50-15.15 **Regulated cell death: does it matter how cells dies?**

Cecília Rodrigues (Lisboa, Portugal) (20min + 5min)

15.15-15:30 Speaker selected from submitted abstracts (10min + 5min)

15:30-15:45 Speaker selected from submitted abstracts (10min + 5min)

15:45-16:00 Speaker selected from submitted abstracts (10min + 5min)

16:00-16:30 Coffee-break

#### **16.30-18.00 Session 2: Physiopathology of aging**

Chairs: George Perry (San Antonio, Texas, USA)  
Paula Moreira (Coimbra, Portugal)

16.30-16.55 **The potential role of glucocorticoids in the aging brain of nonhuman primates and rodents**

Peter Nathanielsz (Texas, USA) (20min + 5min)

16.55-17.20 **The cellular stress response in the innate immune system**

Cláudia Pereira (Coimbra, Portugal) (20min + 5min)

17.20-17.33 Speaker selected from submitted abstracts (10min + 3min)

17.33-17.46 Speaker selected from submitted abstracts (10min + 3min)

17.46-17.59 Speaker selected from submitted abstracts (10min + 3min)

18.00-19.30 Poster session 2

20.30 Congress dinner



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## Friday, 24 May

### 08.30-10.00 **Session 3: Alzheimer's disease: beyond amyloid $\beta$**

Chairs: George Perry (San Antonio, Texas, USA)  
Catarina Oliveira (Coimbra, Portugal)

- 08.30-08.55 **Role of tau in neuronal functions**  
Jesús Avila (Madrid, Spain) (20min + 5min)
- 08.55-09:20 **Age-based models to study Alzheimer's disease**  
Luísa Lopes (Lisboa, Portugal) (20min + 5min)
- 09.20-09:33 Speaker selected from submitted abstracts (10min+ 3min)  
09:33-09.46 Speaker selected from submitted abstracts (10min+ 3min)  
09.46-09.59 Speaker selected from submitted abstracts (10min+ 3min)
- 10:00-10:30 Coffee-break

### 10.30-12.30 **Session 4: Prevention and Intervention Strategies in Aging and Alzheimer's disease**

Chairs: João Malva (Coimbra, Portugal)  
Paula Moreira (Coimbra, Portugal)

- 10.30-10.55 **In search of a cure for Alzheimer's disease**  
George Perry (Texas, USA) (20min + 5min)
- 10.55-11.20 **Tau therapeutics in stress-driven brain pathology: a link between depression and Alzheimer's disease**  
Ioannis Sotiropoulos (Braga, Portugal) (20min + 5min)
- 11.20-11.45 **Preconditioning: a strategy to fight Alzheimer's disease?**  
Paula I. Moreira (Coimbra, Portugal) (20min + 5min)
- 11.45-12.00 Speaker selected from submitted abstracts (10 + 5min)  
12.00-12.15 Speaker selected from submitted abstracts (10 + 5min)  
12.15-12.30 Speaker selected from submitted abstracts (10 + 5min)
- 12.30-14.00 Poster session 3 and lunch  
14.00-16.30 Multi-focus plenary session, ESCI Prizes and Closing Ceremony