European Calcium Society
8th Workshop

Calcium Signaling in Aging and Neurodegenerative Diseases

18-20 September 2019

Coimbra | Portugal
WHAT

8th ECS WORKSHOP ON
CALCIUM SIGNALING IN AGING AND NEURODEGENERATIVE DISEASES

100 participants

WHEN

18 – 20th September 2019

WHERE

Coimbra Tryp Hotel
Coimbra, Portugal
Dear colleagues and friends,

The organizing committee is pleased to welcome you at the 8th Workshop of the European Calcium Society (ECS): “Cell Signaling in Aging and Neurodegenerative Diseases”.

An exciting meeting with a multifaceted and highly interesting scientific program was prepared to create a unique opportunity to meet and discuss the latest research advances in understanding calcium signalling in the brain underlying aging and neurodegenerative disorders.

The scientific program is structured into four tracks dedicated to synaptic calcium, mitochondrial and endoplasmic reticulum calcium, calcium signaling in glia and stem cells and a special session dedicated to technological innovations in calcium imaging, which will be followed by a hands-on session, for interested participants.

These sessions will be complemented by two poster parties where we expect ample discussion between young and experienced researchers. Short oral presentations will be selected from submitted abstracts.

ECS and local organizers would like to encourage young scientists in the calcium fields to submit their abstracts and present their latest work.

We look very much forward to welcoming all of you in Coimbra!
ORGANIZERS

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INVITED SPEAKERS

Plenary Conference

Giles E. Hardingham
The University of Edinburgh
United Kingdom

Ana Sebastião
Faculty of Medicine
IMM
Portugal

Antonio Garcia
Universidad Autónoma de Madrid
Spain

Carlos Villalobos
Spanish National Research Council - CSIC
Spain

Grace Stutzmann
Rosalind Franklin University
USA

Catherine Leclerc
Center for Integrative Biology
France

J Kuźnicki
Int. Institute of Molecular and Cell Biology
Poland
INVITED SPEAKERS

Javier García-Sancho  
University of Valladolid  
Spain

João Relvas  
University of Porto  
Portugal

Leopoldo Petreanu  
Champalimaud Foundation  
Portugal

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University of Copenhagen  
Denmark

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University College  
London  
United Kingdom

Olga Corti  
Brain and Spine  
Institute  
France

Paola Pizzo  
University of Padova  
Italy
WEDNESDAY

14:00  Introduction and welcome
14:30  Symposium 1: Synaptic calcium
       Chairs: Giles E. Hardingham & Rodrigo Cunha
       Grace Stutzmann (USA): Early pathogenic calcium signaling
       cascades in Alzheimer’s disease
       Ana Sebastião (Portugal): Modulation of synaptic activity and
       astrocytic calcium signaling by cannabinoids
       Antonio Garcia (Spain): Altered calcium handling and exocytosis in
       chromaffin cells from mouse models of neurodegenerative diseases
16:30  Coffee break and poster session
18:00  Plenary Conference: Giles E. Hardingham (UK)
19:00  Welcome cocktail

THURSDAY

8:30  Symposium 2: Mitochondrial calcium
       Chairs: Ana Cristina Rego & Catarina Oliveira
       Michael Duchen (UK): Linking mitochondrial dysfunction to
       neurodegeneration: Impaired mitochondrial bioenergetic capacity sensitises
       neurons to calcium overload
       Maria Ankarcrona (Sweden): TOM70: a new player regulating
       Ca2+-transfer at the endoplasmic reticulum-mitochondria signaling platform
       Olga Corti (France): Mechanisms underlying regulation of
       mitochondrial quality by the PINK1/Parkin pathway and consequence of their
       dysfunction
10:30  Coffee break
11:00  Oral Communications Session 1
13:00  Lunch and poster session
14:00  Symposium 3: ER calcium
       Chairs: Cláudia Pereira & Jan B. Parys
       Jacek Kuznicki (Poland): Calcium signaling in zebrafish and mice
       models of neurodegeneration
       Carlos Villalobos (Spain): Calcium remodeling in aging and AD
       Paola Pizzo (Italy): Multiple effects of Presenilin 2 on intracellular
       Ca2+ handling: functional consequences for neurodegeneration
16:00  Coffee break
16:30  Oral Communications Session 2
18:00  Social event: Visit to University of Coimbra
20:00  Conference dinner
FRIDAY

8:30 Symposium 4: Calcium in glia and stem cells
Chairs: João Malva & Amanda Sierra
Martin Lauritzen (Denmark): Calcium-dependent mechanisms of cerebral blood flow regulation
João Relvas (Portugal): TBA
Catherine Leclerc (France): Calcium-dependent signaling in glioblastoma stem-like cells

10:30 Coffee break

11:00 Symposium 5: Technical approaches on calcium imaging
Chairs: Luísa Cortes & Carlos Villalobos
Leopoldo Petreanu (Portugal): Shining light on hierarchical cortical interactions
Javier García-Sancho (Spain): GAP, flies, sarcoplasmic reticulum and aging

12:30 Final remarks

12:45-13:30 ECS General Assembly

Optional:
14:00-18:00 Hands-on on microscopy calcium imaging
@ Microscopy Imaging Center of Coimbra
University of Coimbra-polo I

WEBSITE

WWW.8THWORKSHOPECS.COM
ABSTRACT INFORMATION

ABSTRACT

Abstracts have to be uploaded on the workshop registration form, using the template provided (1 page). Each registered participant is allowed to submit one abstract.

POSTER

Posters should be prepared in portrait format (width maximally 1m00, height maximally 1m60). Posters will have to be set-up the first day of the meeting before the opening session (i.e. directly after registration) and will remain on display until the end of the poster session on Friday afternoon. Fixation material for the posters will be available. Posters will be on display during the complete meeting with ample time for discussion. Importantly, all posters have to be removed on the Friday, before the start of Session 5.

ORAL COMMUNICATIONS

Although most presentations will be by posters, a fair amount of the submitted abstracts will be selected for oral presentations. Oral presentations will last 10 min ± 5 min discussion time. To stimulate presentation of novel work, at least half of the slots for oral communications will be attributed to junior researchers. Selection of the abstracts for oral communication will be announced at least one month before the start of the workshop.

IJMS SPECIAL ISSUE

Participants to the ECS workshop are invited to submit a review or research paper on the topic to our dedicated special issue of International Journal of Molecular Sciences, an open access journal.

For more information please visit: https://www.mdpi.com/journal/ijms/special_issues/Ca_Signaling_Aging_Neurodegener
REGISTRATION

Early-bird Registration
Early registration fee apply to all registrations with proper payments received before June 30th. Only after payment your registration becomes effective.

Registration Deadline
Deadline for registration and abstract submission is July 31st.

NOTE: Please note that if the maximal amount of participants is reached earlier (max. 100), the Organizers have the right to close registration ahead of time.

Registration fees for participants include in all cases: attendance to the workshop, lunch (Thursday), all coffee breaks, welcome cocktail (Wednesday) and gala dinner (Thursday).

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<thead>
<tr>
<th>Registration Fee</th>
<th>Early-bird (until June 30th)</th>
<th>Regular (until July 31st)</th>
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<tbody>
<tr>
<td><strong>ECS member</strong></td>
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<tr>
<td>Student**</td>
<td>150 €</td>
<td>175 €</td>
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<tr>
<td>Academic</td>
<td>250 €</td>
<td>300 €</td>
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<tr>
<td><strong>NON-ECS member</strong></td>
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<tr>
<td>Student**</td>
<td>225 €</td>
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<td><strong>Hands-on Calcium imaging</strong></td>
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<tr>
<td>All</td>
<td>25 €</td>
<td>30 €</td>
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*Interested scientists are always welcome to join the ECS. This can be done by filling the membership form available at: https://gbiomed.kuleuven.be/apps/lmcs/ecs/society/membership/membership.php

**are considered students those working towards a Master/Ph.D. degree and holder of a valid student card delivered by an academic institution.

Cancellation Policy
Payment is expected to be performed as soon as possible after registration. An official receipt will be issued as proof of registration once the payment has been credited on our account, which typically takes about one week. Cancelations are possible until closure of the registrations. Reimbursement can be asked, however limited to an administrative fee of €50 (before July 15th) or €100 (after July 15th) deducted from the amount.
City of the students and a World Heritage Site, Coimbra is a unique city and has great historical heritage. Here were born six kings of Portugal and the first university in the country, one of the oldest in Europe. When visiting the city you can find monuments and historical treasures, the vibrant Mondego river and the Fado sung by the singers of the region.

The workshop will be held at the Hotel Tryp Coimbra, located on one of the hills of the city of Coimbra, and only 15 minutes walking from the famous University. The Hotel Tryp Coimbra has dedicated spaces for meetings and events, combined with easy access, and parking. WiFi connection is available to all participants.
TRAVELING TO COIMBRA

Coimbra is located in central Portugal, 120 km south of Porto, 195 km north of Lisbon. One of Portugal’s biggest crossroads, Coimbra is served by multiple transportation methods.

**Airport**
Those travelling from outside Portugal will probably fly to Lisbon or Porto, although Faro could also be an option. Good train/shuttle connections to Coimbra are readily available.

**Train**
Rail travel from both Lisbon and Porto is regular, fast and reliable provided you take the Alfa Pendular or Intercidades.

**Shuttle Services**
Coimbra Airport Shuttle operates a door-to-door shared transfer between Lisbon (36€)/Porto (29€) airport and Coimbra.

**BUS / Taxi**
Coimbra is served by the A1, the main highway of Portugal, arrival by Taxi, or BUS - Rede Expressos, is also convenient and fast.