

Physioma 2019

Physiology is the forefront of life sciences.

In human health, Physiology represents the true core of knowledge that structures deductive reasoning in clinical as well as in basic research, every year marked by extraordinary achievements and universally recognized in the Nobel Prize in Physiology or Medicine.

The Portuguese Physiological Society (SPFis) was recently registered in Portugal as a private non-profit association.

We believe its foundation will contribute to the development and advancement of physiology by promoting cooperation among the different groups operating within Portugal, and, through them, in many centres in Europe and throughout the world. As expressed in its by-laws, the SPFis is dedicated to cultural, scientific and pedagogical development and promotion of the physiological sciences, disseminating the underlying knowledge, adopting the highest ethical and deontological standards, and improving the skills and professional aptitudes of its members. The society members should benefit from a multi-disciplinary, collaborative network provided by sister societies and organisations all over the world, providing easy access to the most interesting (as varied) information – from prizes and grants to meetings, publications, and career opportunities. Ultimately, it is our hope that our outreach activities, including meetings, publications, development of educational resources, will impact a wide variety of audiences, not only professionals operating in health-related domains, but all levels of society.

Our first initiative intends to assemble the main groups of research developing physiological knowledge, from molecular levels to the most modern artificial intelligence systems and machine-learning strategies used to better understand complex living organisms, in an advanced, internationally-driven and integrated environment.

Physioma 2019 is focused in six major themes:

- Theme 1 Beyond Integrative Physiology – the Physiome
- Theme 2 Chronophysiology
- Theme 3 Physiology of Stress
- Theme 4 By way of the Skin
- Theme 5 Physiological Informatics
- Debate What does the Future hold for Physiology?

We depend on you and your colleagues to help building this project, and hope to meet you soon in Lisboa.

Luis Monteiro Rodrigues
Lisboa, 31 de Março de 2019

Physioma 2019

Physiology for a healthier, longer life

Ist International Meeting of the Portuguese Society of Physiology (SPFis)

ISCTE – IUL , Cidade Universitária
Lisboa, Portugal

10th and 11th October 2019



Organisation

Ana Fernandes, CBIOS U Lusofona
Gabriela Postolache, CBIOS U Lusofona
Hugo Alexandre Ferreira, IBEB U Lisboa, Faculty of Sciences
Luís Monteiro Rodrigues, CBIOS U Lusofona and U Lisboa, School of Pharmacy

Meeting Chairman

Luís Monteiro Rodrigues

(* invited; waiting for confirmation)

Institutional science partners

“On behalf of IUPS Executive Committee (ExCo) I would like to congratulate the Portuguese Physiological Society (SPFis) for its official registration in your country. The IUPS is pledged to joint force with national and regional physiological societies and federations to promote physiology in research and education towards the realization of our motto “Physiology without borders”. Particularly, the inclusion of a debate on “what does the future hold for physiology” is timely relevant to the mission of IUPS to return physiology to center stage of biomedical science.”

Professor Julie Chan, President of IUPS

“I would like to congratulate you about launching the Portuguese Physiological Society and organising its first international event... and look forward to co-operating with you.”

Professor Dr. Bayram Yılmaz, Secretary General of IUPS

“On behalf of the APS Conference Committee, APS is pleased to support the 1st International Meeting of the Portuguese Society of Physiology”

Julie Levin, Meetings Manager, The American Physiological Society

“The Physiological Society is pleased to support the Portuguese Physiological Society’s Physioma2019 conference. This is an important time for physiology across the world and we welcome this new initiative. I look forward to working with the Portuguese Physiological Society now and in the future.”

Professor Bridget Lumb, President of The Physiological Society.



Physioma 2019

ISCTE IUL – Cidade Universitária
Lisboa, Portugal

10th to 11th October 2019

Ist International Meeting of the Portuguese Society of Physiology (SPFis)

Preliminary Program

October 10h (Thursday)

08:30 Welcome

Secretariat opening / Exhibitors venue

09:30 Opening Workshops (WS)

WS1 Physiological computing: The BITalino platform

Coordinators: **Hugo Silva & Hugo Ferreira**

WS2 Advanced methods for non-invasive measurement of microcirculation

Coordinators: **Gabriela Postolache and Octavian Postolache**

Poster Installation

Exhibition Stand Installation

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14:00 Opening ceremony

L Monteiro Rodrigues, Chairman of *Physioma 2019 and the organisation*

14:15 **Theme 1 Beyond Integrative Physiology – the Physiome**

Moderator **Felix Carvalho**, Chairman of the Portuguese Soc. Pharmacology (SPF);
President Elect of EUROTOX, the Federation of European Toxicologists and
European Societies of Toxicology

Keynote Speaker **Jose Viña**, Professor of Physiology, Universidad Valencia

14:45 Podium Presentations

15:45 Coffee-break and visit to Posters and exhibitors

16:30 **Theme 2 Chronophysiology**

Moderator: **Claudia Cavadas**, CNC - Center for Neuroscience and Cell Biology &
Faculty of Pharmacy, University of Coimbra

Keynote Speaker **Debra J. Skene**, Professor of Neuroendocrinology, U Surrey

16:55 Podium Presentations

17:45 Discussion
Visit to Posters and Stands

18:15 General Assembly of SPFis
Election of the Board for the Mandate 2019-2022

IMPORTANT NOTE:

Only the regular associated members of SPFis can attend this general assembly

1. Presentation of the running lists (strategy / critical aspects/ profile of candidates)
2. Election of the Board (social organs) of the SPFis for 2019-2022
3. Other issues

21:00 Dinner (to announce)

October 11h (Friday)

08:30 Secretariat opening

09:15 Theme 3 Physiology of Stress

Moderator: **Pedro Villa Polo**, Full Professor Physiology, Director of the PhD Program in Health Sciences U Alcalá - Facultad de Medicina

Keynote Speaker **João Laranjinha**, Centre for Neurosciences and Cell Biology, University of Coimbra

09:45 Podium Presentations

10:30 Coffee-break and visit to Posters and Stands

11:15 Theme 4 By way of the Skin

Moderator: **Catarina F.Rosado**, Group Leader (Drug Delivery Systems) Res.Center for Biosciences and Health Technologies (CBIOS)

Keynote Speaker **Joachim Fluhr**, Charité - Universitätsmedizin Berlin. Klinik für Dermatologie, Venerologie und Allergologie

11:45 Podium Presentations

12:30 Snack and visit to the area (Posters / Stands)

14:30 **Theme 5 Physiological Informatics**

Moderator: **Antero Abrunhosa**, Director of ICNAS (Institute for Nuclear Sciences Applied to Health) U Coimbra

Keynote Speaker **Hugo Silva**, IT-IST, U Lisboa

15:00 Podium Presentations

15:45 Coffee-break and visit to Posters and exhibitors

16:30H

Theme 6 Debate – “What does the future hold for physiology?”

Moderators: **Luis Monteiro Rodrigues** and **Hugo Ferreira**

Intervenients

CNECV, the National Ethical Council for Life Sciences* (to indicate)

Jorge Garcia Seoane

Chairman of the Spanish Society of Physiological Sciences (SECF), Full Professor of Physiology (U Complutense Madrid)

Ricardo A. Afonso

President of the Portuguese Soc. of Laboratory Animal Sciences & NOVA Medical School | Faculdade de Ciências Médicas da Universidade Nova de Lisboa

Octavian Postolache,

Director of Science and Information Technology PhD Program in ISCTE-IUL;
Senior Researcher and Director of Instituto de Telecomunicacoes IT-IUL

18:00 Prizes

Conclusion Remarks and Closure

Closure cocktail

* invited; waiting for confirmation