

LEVEL III

ASKLEPIOS Course

SYMPOSIUM ON IMAGING HALLMARKS OF CANCER

October 26-27, 2017
Lisbon/Portugal



**Champalimaud
Foundation**

This symposium is organised in partnership
with the Champalimaud Foundation.

Education in partnership.

ESORF EUROPEAN SOCIETY
OF RADIOLOGY

LEVEL III

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Course information

The course is designed for radiologists and all those professionals interested in acquiring knowledge on cutting-edge methods to diagnose, to treat and to manage cancer patients. A renowned multidisciplinary faculty will provide the delegates with a blend of basic science and the most recent developments in computational, functional, and molecular imaging techniques as well as in the rapidly evolving field of Interventional Oncology.

Learning objectives

- to learn how to use novel imaging methods to interrogate cancer biology and physiology
- to envision how translational research may help developing imaging research
- to become familiar with and understand the added value of image-guided intervention in cancer care



Programme **SYMPOSIUM** **ON IMAGING HALLMARKS OF CANCER**

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Thursday, October 26, 2017

- 17:00-17:30 Registration
- 17:30-17:50 Welcome and introduction
L. Beleza, Lisbon/PT
President of the Champalimaud Foundation
N. Gourtsoyiannis, Athens/GR
Scientific Educational Director of ESOR
C. Matos, Lisbon/PT
Host organiser
- 18:00-18:30 **Keynote lecture**
Chair: C. Matos, Lisbon/PT
Research in medical imaging in the digital era
G. Krestin, Rotterdam/NL
- 18:30-19:00 **Interlude**
Scrofulous Sogolon – Scanning the Sunjata Epic
M. Ghysels, Brussels/BE

Host Organiser



C. Matos
Lisbon/PT

Venue

Fundação Champalimaud
Avenida Brasília, s/n
1400-038 Lisbon
Portugal

Registration fee

Professionals EUR 100
Students EUR 30

For registration information please
visit the website
of the Champalimaud Foundation:
bit.ly/2I13MLF

For further information
on the programme and
registration please visit

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Friday, October 27, 2017

- 09:00-10:45 **Computational imaging**
Chair: C. Matos, Lisbon/PT
- Introductory remarks. Open questions**
C. Matos, Lisbon/PT
- MR imaging biomarkers in cancer**
N. Papanikolaou, Lisbon/PT
- Texture analysis in medical images: applications in cancer**
A. Alberich-Bayarri, Valencia/ES
- Radiomics - the promise of imaging for precision medicine**
S. Carvalho, Cambridge/UK
- Panel discussion: will computational imaging maximise radiology's role in cancer care?**
- 10:45-11:15 Coffee break
- 11:15-13:00 **New insights from basic science**
Chair: L. Marti-Bonmati, Valencia/ES
- Introductory remarks. Open questions**
L. Marti-Bonmati, Valencia/ES
- Cancer and immune reaction**
M. Ferreira, Lisbon/PT
- Identification and targeting of cancer metastatic niches**
B. Costa Da Silva, Lisbon/PT
- Single cell imaging of tumour heterogeneity and response to therapy in human-zebrafish xenografts**
R. Fior, Lisbon/PT
- Panel discussion: challenges in translational research**
- 13:00-14:00 Lunch break

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- 14:00-15:45 **Molecular imaging**
Chair: D. Costa, Lisbon/PT
Introductory remarks. Open questions
D. Costa, Lisbon/PT
Radiomics - new markers in PET-CT
N. Schaefer, Lausanne/CH
Multiparametric MR and PET imaging of intratumoural biological heterogeneity
A.J. Beer, Ulm/DE
Diagnostic molecular pathology: reading a patient's tissue in the 21st century
A. Beltran, Lisbon/PT
Panel discussion: how to incorporate molecular imaging into the clinics?
- 15:45-16:15 Coffee break
- 16:15-18:00 **Interventional oncology**
Chair: F. Caseiro Alves, Coimbra/PT
Introductory remarks. Open questions
F. Caseiro Alves, Coimbra/PT
Percutaneous image-guided cryoablation: current applications in cancer
A. Gangi, Strasbourg/FR
Local ablation in oligometastatic disease
A. Gillams, London/UK
Image guided therapy in HCC: what is new?
J.F.H. Geschwind, New Haven/US
Panel discussion: the pros and cons of image-guided intervention in oncology



Please note that programmes are marked with a logo to indicate their classification according to the European Training Curriculum.

LEVEL I First three years of training

LEVEL II Fourth and fifth year of training
(general radiologist standard)

LEVEL III Subspecialty training standard

ESOR stands for education in partnership.

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