



**4<sup>th</sup> International congress  
on inflammation  
and infection  
imaging**

*Hotel Marriot Courtyard Central Park,  
Rome, Italy  
5-7 December 2024*

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*11<sup>th</sup> Practical course on white blood cell  
labelling, image acquisition and interpretation.*

*University Hospital Sant'Andrea, Rome, Italy  
7-8 December 2024*



**SAPIENZA**  
UNIVERSITÀ DI ROMA

## Scientific committee



**A. Signore**

Congress President,  
Nuclear Medicine,  
Sapienza University of Rome,  
Italy.



**C. Lauri**

Nuclear Medicine,  
Sapienza University of Rome,  
Italy.



**G. Capriotti**

NuMeD President.  
Sapienza University of  
Rome, Italy.



**M. Sathekge**

Head of NuMeD Scientific  
Committee.  
University of Pretoria,  
South Africa



**E. Noriega-Álvarez**

Head of NuMeD Committee for  
External Relations.  
University Hospital Guadalajara,  
Spain



**D.M. Wilson**

Department of Radiology  
and Biomedical Imaging  
University of San Francisco,  
California, USA



**G. Wiseman**

NuMeD Scientific Committee.  
Mayo Clinic, Rochester,  
MA, USA.



**K. Anzola**

NuMeD Committee for  
External Relations. Clinica  
Colsanitas, Bogotá,  
Colombia.



**D. A. Hammoud**

Radiology and Imaging  
Sciences, Center for Infectious  
Disease Imaging (CIDI)  
NIH, Washington DC, USA



**A. Maes**

NuMeD Scientific Committee.  
Groeninge Hospital,  
Belgium.



**C. Van de Wiele**

Member of NuMeD  
Committee for External  
Relations. University of  
Ghent, Belgium.



**E. Estrada-Lobato**

Nuclear Medicine and  
Diagnostic Imaging Section  
IAEA Division of Human  
Health, Vienna Austria



**E. Lazzeri**

NuMeD Scientific Committee.  
University-Hospital,  
Pisa, Italy.



**F. Herranz**

NuMeD Committee for  
External Relations.  
Consejo Superior de  
Investigaciones Cientificas,  
Madrid, Spain



**O. Gheysens**

Nuclear Medicine  
Hôpital Universitaire  
Gasthuisberg, Leuven  
Belgium

## Local organizing committee

Michela Varani  
Valeria Bentivoglio  
Giuseppe Campagna

Daniela Prosperi  
Roberta Ottaviani  
Tommaso Pintus

Vincenzo Marcello Russo  
Enrico D'Ippolito  
Pallavi Nayak

[www.nuclearmedicinediscovery.org](http://www.nuclearmedicinediscovery.org)

EVENTLAB

info@event-lab.eu

# Welcome

Following a tradition started in 1993, we present the 4th edition of the International Congress "Imaging infections and inflammation", which will be held in Rome from 5 to 7 December, 2024. Many new sessions for this "special edition".

The congress will have 2 main sections with 4 dedicated topics: Inflammation imaging (imaging inflammatory cells pre-clinical and clinical; imaging inflammatory molecules pre-clinical and clinical), Infection imaging (WBC, FDG-PET, microbial imaging pre-clinical and clinical).

Each session will include a several lectures and round table discussions.

Each topic will be discussed exhaustively from biological and nuclear medicine point of view with the participation of several scientists and clinicians, experts in the field, who will moderate the sessions.

There will be also sessions dedicated to the presentation of scientific abstracts by the participants and best abstracts will be awarded.

After the conference, for those interested, there will be a two-day advanced practical course, both in English and in Italian, to learn the techniques for labelling white blood cells, acquisition, processing and interpretation of images.

All participants will receive a certification and CME.

Thanks to the help of sponsors, we will be able to maintain a low registration fee, as it is always for our congresses and symposia.

For more information, and to download the program, abstract form and registration form, please visit: <http://www.nuclearmedicinediscovery.org/events.asp>

## Credits of ECM (Italian Continuing Medical Education)



## Credits of EACCME (European Accreditation Council for Continuing Medical Education)



European Accreditation Council  
for Continuing Medical Education  
(EACCME)  
An Institution of the UEMS

# Preliminary Program

## Thursday 5<sup>th</sup> of December

### 14:00-16:30 Opening symposium

- 14:30-14:50 Opening lecture "40 years of imaging inflammation/infection" - Prof. Alberto Signore
- 14:50-15:10 Special lecture "Infections in 2050: is it just a MRSA problem?" - Prof. Miriam Lichtner
- 15:10-15:30 Special lecture "The complicate puzzle for diagnosis of endocarditis" - Dr. Maria N. Pizzi
- 15:30-15:50 Special lecture "Radiolabelled WBC: gold standard to retire?" - Prof. Christopher Palestro
- 15:50-16:10 Special invited lecture "Imaging the pathogens: is it feasible?" - Prof. Mike Sathekge

17:00-22:00 *Guided tour and Social dinner for speakers and accompanying persons.*

## Friday 6<sup>th</sup> of December

### 08:30-10:30 Session 1: Radiolabelled white blood cells

- 08:30-08:50 A diagnostic flow-chart for the diagnosis of vascular graft infections. Dr. Chiara Lauri
- 08:50-09:10 FDG or WBC for IE and CIED? Prof. Paola Erba
- 09:10-09:30 Dual time FDG-PET imaging for Endocarditis. Dr. Edel Noriega
- 09:30-10:00 Free presentations
- 10:00-10:30 Round table discussion

10:30-11:00 *Coffee break*

### 11:00-13:00 Session 2: Radiolabelled white blood cells

- 11:00-11:20 WAIOT guidelines for the diagnosis of osteomyelitis and PJI. Prof. Carlo Romanò
- 11:20-11:40 The Nuclear Medicine point of view for OM and PJI. Dr. Chiara Lauri
- 11:40-12:00 Fracture related osteomyelitis (to be defined)
- 12:00-12:30 Free presentations
- 12:30-13:00 Round table discussion

13:00-14:00 *Lunch*

### 14:00-16:00 Session 3: FDG-PET

- 14:00-14:20 The role of <sup>18</sup>F-FDG-PET in spondylodiscitis. Dr. Elena Lazzeri
- 14:20-14:40 <sup>18</sup>F-FDG, <sup>18</sup>F-NaF and <sup>68</sup>Ga-octreotide in Rheumatic diseases. Prof. Olivier Gheysens
- 14:40-15:00 <sup>18</sup>F-FDG-PET in TBC: should it be clinical routine? Prof. Mike Sathekge
- 15:00-15:20 The role of <sup>18</sup>F-FDG-PET in fever and inflammation of unknow origin. Prof. Lucia Leccisotti
- 15:20-15:40 Free presentations
- 15:40-16:00 Round table discussion

16:00-16:30 *Coffee break*

### 16:30-19:00 Session 4: Imaging of inflammation and cancer microenvironment

- 16:30-16:50 Detecting T-cells with radiolabelled probes (to be defined)
- 16:50-17:10 Imaging activated T-cells. Prof. Alberto Signore
- 17:10-17:30 <sup>18</sup>F-AraG for monitoring immunotherapy. Prof. Jelena Levi
- 17:30-17:50 Imaging CD8+ T-cells (to be defined)
- 17:50-18:30 Free presentations
- 18:30-19:00 Round table discussion

## Saturday 7<sup>th</sup> of December

### 08:30-10:30 Session 5: Imaging of pathogens

- 08:30-08:50 Invited lecture. Dr. Sanjay Jain
- 08:50-09:10 Imaging the bacterial cell wall. Dr. David Maybin Wilson
- 09:10-09:30 Siderophores and other strategies for imaging bacteria. Dr. Milos Petrik
- 09:30-10:00 Free presentations
- 10:00-10:30 Round table discussion



# Previous editions

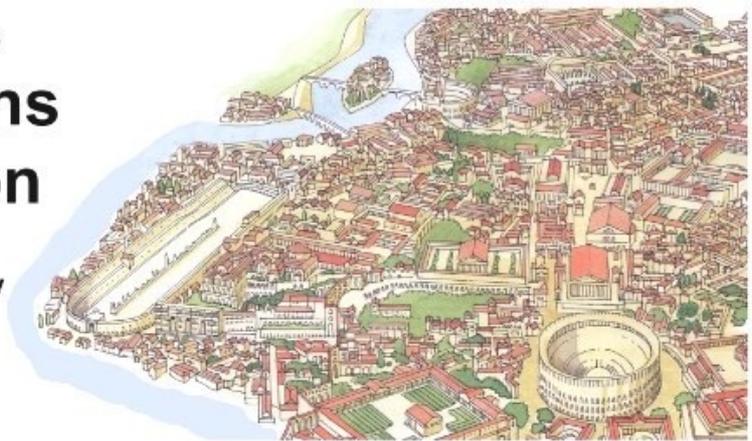
*First Edition 2013*

## 1<sup>st</sup> European course Imaging Infections and Inflammation

12-14 December 2013  
Ospedale S. Andrea, Rome, Italy

**Organized by:**

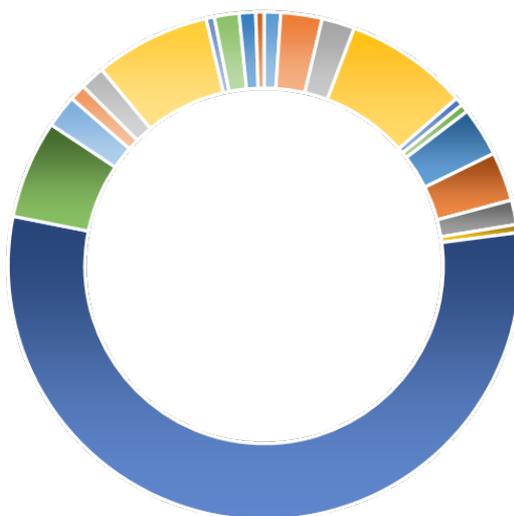
Alberto Signore (Rome, Italy)  
Elena Lazzeri (Pisa, Italy)  
José Martin-Comin (Barcelona, Spain)



Under the auspices of:



**195 Participants - 20 countries**



- Argentina
- Australia
- Austria
- Belgium
- Colombia
- Czech Republic
- France
- Germany
- Greece
- Israel
- Italy
- Netherland
- Poland
- Portugal
- Slovenia
- Spain
- Switzerland
- UK
- United States
- Vietnam

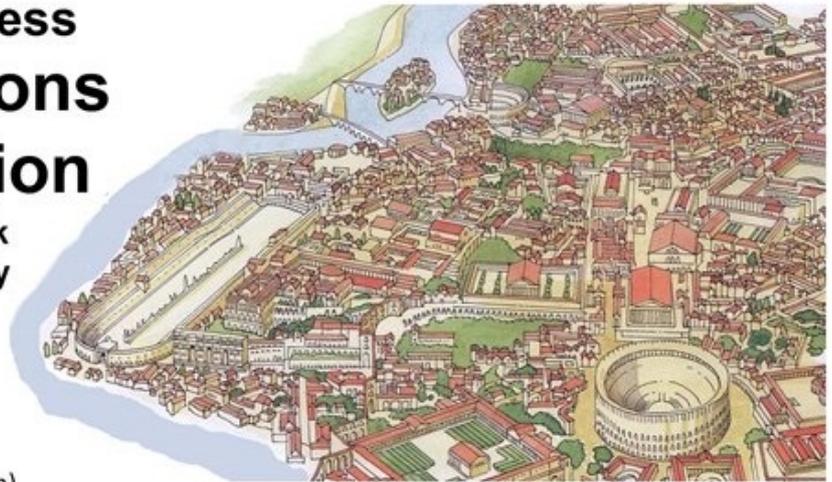
# Second Edition 2016

## 2<sup>nd</sup> European Congress Imaging Infections and Inflammation

Hotel Marriott Central Park  
Via G. Moscati, Rome, Italy

**Organized by:**

Alberto Signore (Rome, Italy)  
Elena Lazzeri (Pisa, Italy)  
Andor Glaudemans (Groningen, NL)  
Luca Burroni (Siena, Italy)  
Christophe Van de Wiele (Ghent, Belgium)

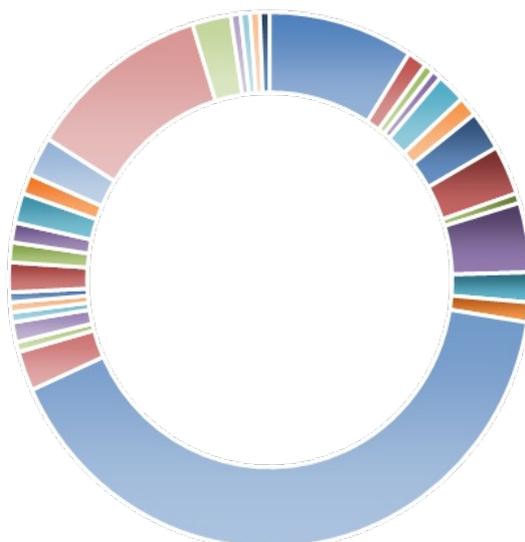


**12 and 13 December 2016**

With the patronage of:



**173 Participants - 31 countries**



- Belgium
- Bosnia and Herzegovina
- Bulgaria
- Canada
- Colombia
- Croatia
- Denmark
- France
- FYR of Macedonia
- Germany
- Greece
- Israel
- Italy
- Kazakhstan
- Latvia
- Lithuania
- New Zealand
- Portugal
- Romania
- Russian Federation
- Serbia
- Slovenia
- Spain
- Sweden
- Switzerland
- The Netherlands
- Turkey
- UK
- Ukraine
- USA
- Uzbekistan

# Third Edition 2019

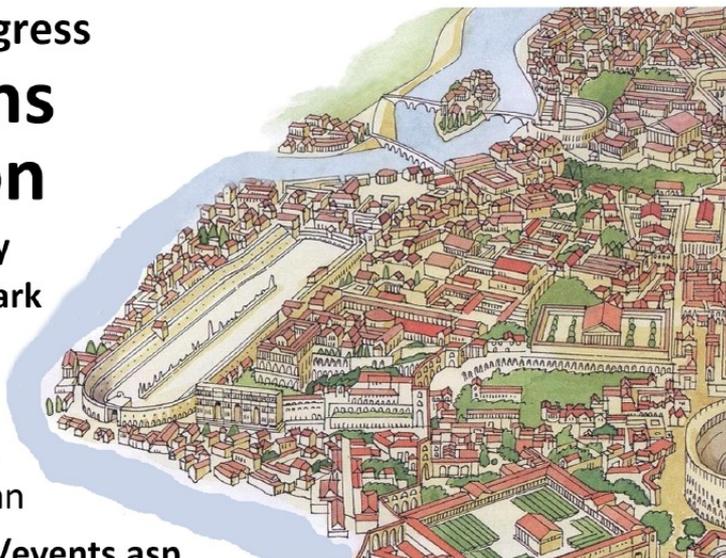
3<sup>rd</sup> advanced course and congress

## Imaging infections and inflammation

9-12 December 2019, Roma, Italy  
Hotel Marriot Courtyard Central Park

Organized by: V. Artiko, S. Auletta,  
A. Glaudemans, E. Lazzeri, A. Maes,  
M. Sathekge, A. Signore, G. Wiseman

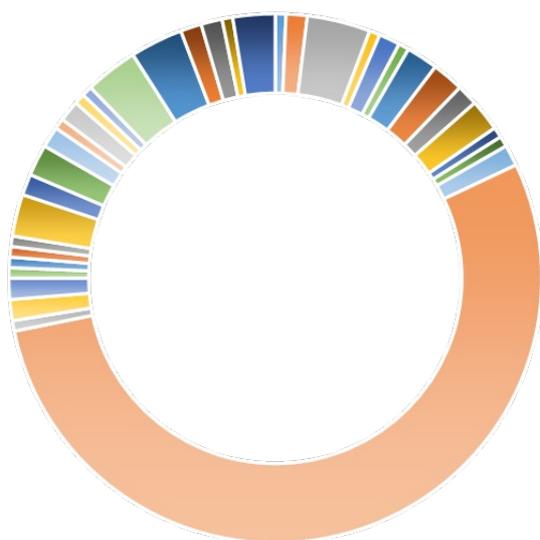
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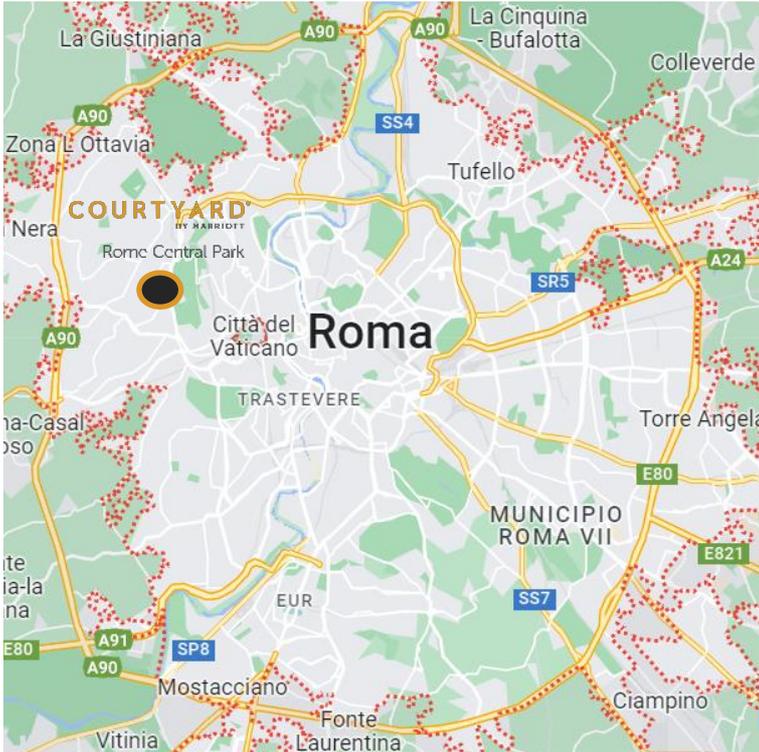


206 Participants - 34 countries



- Armenia
- Belarus
- Belgium
- Bulgaria
- Croatia
- Czech Republic
- Denmark
- Estonia
- Finland
- France
- FYR of Macedonia
- Greece
- Hungary
- Italy
- Kazakhstan
- Kuwait
- Kyrgyzstan
- Latvia
- Lithuania
- Malaysia
- Montenegro
- Poland
- Romania
- Russian Federation
- Serbia
- Singapore
- Slovenia
- South Africa
- Spain
- Sweden
- The Netherlands
- Tunisia
- Turkey
- Ukraine
- USA

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