



European Congress of Medical Physics  
Munich, Germany | 11–14 September 2024

In association with the Trination Conference



WELCOME NATION  
France



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[Interview](#)

## Congress presidents unveil what can be expected from ECMP2024

**Munich (kf).** From the 11<sup>th</sup> to the 14<sup>th</sup> of September 2024, the international community of Medical Physics will gather in Munich for the 5<sup>th</sup> European Congress of Medical Physics (ECMP). The two conference presidents, Professor Yolanda Prezado, Santiago de Compostela, and Professor Katia Parodi, Munich, provide an outlook on the most important topics and developments that will be presented at the ECMP.

**What are the most important topics and trends that will be discussed at the congress?**

**Professor Yolanda Prezado:** Many relevant topics in medical physics will be presented and discussed during the congress. Medical Physics is a very broad discipline spanning from radiation therapy to diagnostic imaging with ionizing and non-ionizing radiation, theragnostics, audiology, artificial intelligence (AI) etc. With the help of an amazing international scientific committee and the extraordinary large number of high-quality proffered submissions, we have put together a rich program aiming to provide a comprehensive view of the main developments and innovations in the different areas of medical physics. A variety of sessions focused on current clinical practices as well as new emerging trends still at the research and development level will be rounded by joint sessions organized by the European Federation of Organizations in Medical Physics (EFOMP) with different scientific societies at the European and international level, addressing selected timely topics of common interest. The attendees will be able to learn about new codes of practice in radiation therapy, how to implement clinically innovative radiotherapies, ethical aspects of artificial intelligence and how to implement AI solutions in daily healthcare, latest innovations in a variety of diagnostic imaging modalities, ultrasound mediated drug delivery radioprotection, audiology, and many other topics. There will be also a track fully dedicated to early career, in addition to sessions of interest to a broad audience, geared toward relevant education, training and professional matters.

**What significance does the congress have for improving patient care?**

**Professor Yolanda Prezado:** Many important discoveries and developments are happening which will radically change our clinical practice in the next few years. These are mainly rooted in advanced instrumentation and technologies, novel biological insights as well as tremendous new opportunities enabled by new computational approaches such as artificial intelligence and possibly quantum computing. By bringing together experts from the European Medical Physics communities as well as industrial

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Ludwig-Maximilians-Universität  
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Experimental Physics – Medical  
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Center for Molecular Research and  
Chronic Diseases, Santiago de  
Compostela

### Veranstalter

European Federation of Organisations  
for Medical Physics  
<https://www.efomp.org/>

German Society for Medical Physics  
<https://www.dgmp.de/>

Austrian Society for  
Medical Physics  
<https://www.oegmp.at/>

Swiss Society of Radiation Biology  
and Medical Physics  
<https://ssrpm.ch/>

### Tagungsort

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### Kongressorganisation

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representatives, we do hope that ECMP2024 will foster discussions and collaborations helping to translate new technologies and methodologies to improved clinical practice.

***What is the special feature of the conference? What are you particularly looking forward to?***

**Professor Katia Parodi:** For the first time, the European Congress of Medical Physics will be merged with the Trination congress of the German, Swiss and Austrian Societies of Medical Physics, promising to reach an unprecedented dimension in the number of attendees. Munich does not only offer a very attractive venue due to its convenient geographical location in the center of Europe, but can be regarded as a major European science hub, where the two main Universities (Ludwig-Maximilian University, LMU, and Technical University of Munich, TUM) have substantially invested in the field of Medical Physics. Both Universities host a chair for (bio)medical physics in their respective Physics Faculties, strongly linked to the University Hospitals and other renowned research centers like the Helmholtz Zentrum München and Max Planck Institutes. Educational offers include medical physics at the undergraduate and graduate level along with practical clinical training. This setting is rounded by many leading industrial providers in the medical sector, located in Munich and the Bavarian Medical Valley. In this spirit, the conference will be hosted at the university campus in Munich-Garching, and will give the possibility to visit unconventional major research infrastructures aiming to promote innovations in biomedical applications, like the Center for Advanced Laser Applications (CALA) and the Munich Compact Light Source (MuCLS). Relevant research topics will be also showcased in the scientific program through the plenary talk and the presidential symposium, addressing advances in X-ray imaging and ongoing developments of lasers toward novel sources of therapeutic ionization radiation. Hence, our hope is that the unprecedented dimension of the congress with such a unique setting will provide a stimulating and inspiring atmosphere for the conference participants.

***The questions were asked by Katrin Franz.***

All information and the conference programme can be found at: <https://ecmp2024.org/>

Media representatives are cordially invited to the congress! We look forward to your reports. We will also be happy to put you in touch with contact persons for interviews.

**Your Press contact for further inquiries:**

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*This press release is authorised for publication. Please send us a copy of any reprints.*

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