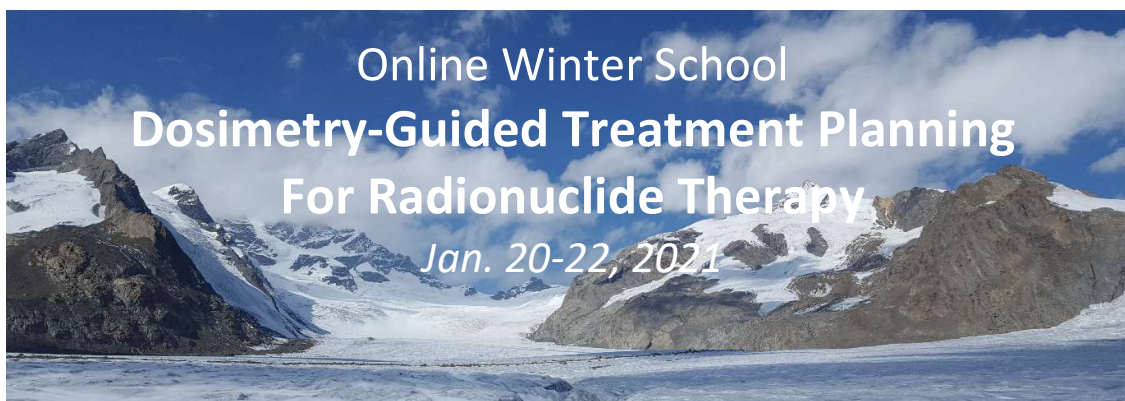




PROGRAM

Time zone: Central European Time (CET), local time of Switzerland

Website: <https://www.winterschooldosimetry.com/>

JANUARY 20th, 2021

09:00-09:30 Opening Ceremony

Moderator: Prof. Axel Rominger
 Prof. Francesco Giammarile
 Prof. Mark Konijnenberg
 Prof. John Prior
 Prof. Michael Fix
 PD Dr. Sebastien Baechler

Session 1: Imaging and Quantification

Moderator: Dr. Silvano Gnesin

09:30-10:30 Quantitative imaging to assist personalized dosimetry | Prof. Mark Konijnenberg

10:30-11:00 Coffee Break

11:00-11:45 Calibration of imaging and non-imaging devices | Dr. Johannes Tran-Gia

11:45-12:30 Quantitative accuracy in activity and dose determination (MRT-projects) |
Dr. Johannes Tran-Gia

12:30-13:30 Lunch Break

Session 2: Simplistic approach vs individualized approach

Moderator: Dr. Thiago Lima

13:30-14:00 Physician's point of view | Prof. A. Rominger, Prof. N. Schaefer (15min x2)

14:00-14:45 Physicist's point of view | Prof. M. Konijnenberg, Prof. M. Lassmann,
Prof. M. Bardiès (15minx3)

14:45-15:10 Pharma industry perspective | Dr. Germa Gericke

Session 3: Industry Solutions Session I

Moderator: Prof. Kuangyu Shi

15:10-15:40 **PLANET® Dose: Dosimetry software platform for Molecular Radiotherapy**

Sébastien VAUCLIN, Product Manager, Molecular Imaging & Molecular Radiotherapy software
DOSIsoft SA

15:40-16:10 **Streamlined preprocessing for dosimetry in research**

Dr. Geoff Warnock, Senior application scientist, PMOD Technologies LLC

16:10-16:40 **Quantitative Calibration of SPECT/CT**

Alexander Hans Vija, Ph.D., Siemens Healthineers

16:40-17:10 **Clinical Dosimetry Made Practical**

David Mirando, Clinical Engineer, MIM Software

17:10-17:40 **QDOSE Dosimetry Solution for Molecular Radiotherapy**

Sophia Wunder, ABX - CRO advanced pharmaceutical services

JANUARY 21st, 2021

Session 4: Dose Calculation

Moderator: Prof. Kuangyu Shi

08:30-09:15 Methodologies for Dose Calculation (From bases to Monte-Carlo) | Prof.
Ernesto Amato

09:15-10:00 Future of dose calculation methodologies | Prof. Manuel Bardiès

10:00-10:30 Break

Session 5: Clinical Application and Results

Moderator: Dr. Silvano Gnesin

10:30-11:10 Predictive dose planning and post-treatment verification in I-131 DTC and Y-90- Radioembolisation | Dr. Elisa Richetta

11:10-11:50 Dosimetry in clinical practice - 2 decades of radiomolecular precision oncology (RPO) in neuroendocrine tumours and prostate cancer | Prof. Richard Baum

11:50-12:30 Bone metastasis | Dr. Iain Murray

12:30-13:30 Lunch Break

Session 6: Industry Solutions II

Moderator : Dr. Thiago Lima

13:30-14:00 *Hermes Medical Solutions' Dosimetry Systems*

Helena McMeekin, Clinical Applications Scientist/Clinical Science Manager, Hermes Medical Solutions

14:00-14:30 *Image Guided Dosimetry for Y90 SIRT*

Miguel Rodrigues, Medical Physicist, Varian Medical Systems)

14:30-15:00 *Personalized Dosimetry and how to achieve it – The DOSISPHERE trial and Simplicit90y.*

Birte Brehmer, Clinical Specialist Y90 Boston Scientific

15:00-15:15 Coffee Break

Session 7: International Collaborations

Moderator: Prof. Kuangyu Shi

15:15-16:00 OPENDOSE Collaboration | Mr. Alex Vergara

Session 8: Round Table

Moderator: Dr. Silvano Gnesin

16:00-17:00 The need of, and practical implementation of clinical dosimetry.

Including presentation/discussion of the experience of the Italian societies AIMN/AIFM | Dr. Carlo Chiesa

JANUARY 22nd, 2021

Session 8: Biokinetics

Moderator: Dr. Silvano Gnesin

09:00-09:45 Set-up of Multicenter trials Involving Dosimetry | Prof. Michael Lassmann

09:45-10:30 From Time-Activity Data to Pharmacokinetic Modelling | Prof. Gerhard Glatting

10:00-10:30 Coffee Break

Moderator: Prof. Kuangyu Shi

11:00-11:45 Treatment Planning with PBPK/PD Models | Prof. Gerhard Glatting

11:45-12:30 Biodosimetry and its Application to NM | Prof. Michael Lassmann

12:30-14:00 Lunch Break

Session 9: Research topics in MRT Dosimetry

Moderator: Dr. Thiago Lima

14:00-14:45 How AI can support personalized dosimetry | Prof. Kuangyu Shi

14:45-15:30 Pre-clinical dosimetry | Dr. Francesco Cicone

15:30-16:15 Novel Isotopes for Theranostics | PD. Dr. Cristina Mueller

Endorsement or Accreditation:

European Federation of Organisations For Medical Physics (EFOMP)

Federal Office of Public Health of Switzerland (BAG)

Swiss Nuclear Medicine Society (SGNM)

Swiss Society of Radiobiology and Medical Physics (SSRMP)

Italian Association of Medical Physics (AIFM)

Association Suisse des Techniciens en Radiologie Medicale (ASTRM)

German Society of Nuclear Medicine (DGN)

World Association of Radiopharmaceutical and Molecular Therapy (WARMTH)

German Society of Medical Physics (DGMP)

European Radiation Dosimetry Group e.V.

SGNM/SSRMP: 17 credit points,

BAG: 24 educational hours

DGMP: 22 credit points (21 no. N7, 1 no. 14)

Sponsors:



Speakers:



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University of Messina,
Italy



Prof. Manuel Bardiès
Institut du Cancer de
Montpellier, France



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Istituto Nazionale
Tumori, Milan, Italy



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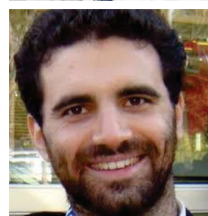
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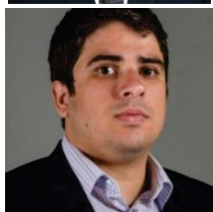
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