



# ENRICH Health: 4RI Onco-Day

An exchange, networking and collaboration event  
of the 4 research institutes Empa, Eawag, PSI and WSL

**Tue, 25.03.2025, 09.30-17.30**  
**Paul Scherrer Institut PSI, 5232 Villigen**



**eawag**  
aquatic research

**PSI**

**Empa**  
Materials Science and Technology

**WSL**

ENRICH – Engagement of the 4RI for Switzerland

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## Aims

- to make medical research of the 4RI more visible and to involve the clinical research partners
- to gain an overview of actual oncology related activities of leading swiss hospitals with contributions of the 4RI
- to enable networking amongst key players within the field of cancer diagnostics and therapy
- to identify possible topics for joint proposals for cancer research projects

## Participants

- Open to all researchers and scientists of the 4RI, ETH and EPFL

## Organizing Committee

- PSI: Roger Schibli, Tony Lomax
- Empa: René Rossi, Marija Buljan, Robert Zboray
- WSL: Anna Hersperger, Eawag: Tim Julian
- Conference Office: Dieter Schmid

## Program

**09.30 Welcome**

**09.40 Topic block 1 “Radiation Therapy”**

*(2 keynotes from clinicians, 4 project presentations of 4RI-researchers)*

**11.20 Guided Tour PSI Center for Proton Therapy**

12.30 Lunch (and networking)

**13.45 Topic block 2 “AI & diagnostics”**

*(2 keynotes from clinicians, 4 project presentations of 4RI-researchers)*

**15.30 Topic block 3 “Theranostics”**

*(1 keynote from clinician, 4 project presentations of 4RI-researchers)*

**16.30 Outlook and Closing**

*(1 keynote from clinician, summary of organizing committee)*

**16.45 End, Apéro**



Register here until Fri, 28.02.2024:

**[ENRICH Health Onco-Day 25.03.2025 Registration](#)**

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Topic	Title	Speaker
<b>1 Radiation Therapy</b>	Keynote 1a: How submillimeter SFRT is changing the radio-oncology treatment Keynote 1b: Radioligand Therapy : How to transform the Hype into Steady Growth	Valentin Djonov, Uni Bern Niklaus Schäfer, CHUV
	Enhancing Radiotherapy with Nanoparticles Online adaptive radiotherapy Modelling of clinical outcome	Monika Zimmermann, Empa Andreas Smolders, PSI Bastien Golomer, PSI
<b>2 AI &amp; diagnostics</b>	Keynote 2: Digital pathology / Cancer biomarkers	Anna Bettina Sobottka-Brillout, USZ
	Overview AI & diagnostics, 20' 3D virtual histology AI for radiotherapy Delineation of signaling routes in tumor-associated macrophages Digital human twins for tailoring transdermal pain medication for cancer patients	G.V. Shivashankar Robert Zboray, Empa Li Muheng, PSI Marija Buljan Thijs Defraeye, René Rossi, Empa
<b>3 Theranostics</b>	Keynote 3: Deciphering the mechanisms of immune checkpoint inhibitor-mediated toxicity	Lukas Flatz, KSSG
	Overview Radiotheranostics, 15' Patient-derived glioblastoma on a chip system: enabling combinatorial therapy development FLASH	Roger Schibli, PSI Peter Wick, Empa Robert Schäfer, PSI
<b>Closing</b>	Closing Keynote: ForME: a cooperation initiative between clinicians and 4RI researchers	Hans Jürg Beer, KSB



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