



This project has received funding from the Euratom research and training programme 2019-2020 under grant agreement No 900009

<b>Meeting</b>	<b>II SINERGY WORKSHOP ON TRANSLATIONAL &amp; CLINICAL ONCOLOGY APPLIED TO ENVIRONMENTAL &amp; OCCUPATIONAL CANCER: FOCUS ON RADON</b>
<b>Coordinator</b>	<b>Laura Mezquita, MD, PhD</b> Hospital Clinic of Barcelona, Barcelona, Spain; MECA (Environment & Cancer) I Lab of Translational Genomics & Targeted therapies in solid Tumors, IDIBAPS; Department of Medicine, University of Barcelona
<b>Date</b>	<b>10 - 12 March 2025</b>
<b>Place</b>	<b>Location:</b> Campus Clínic (FRCB-IDIBAPS, Hospital Clínic, and University of Barcelona – UB) C/ del Rosselló, 149, L'Eixample, 08036 Barcelona, Spain. <a href="#">Learn more here</a>
<b>Objective</b>	<b>Bridging clinical knowledge and radiation research</b> from a holistic and translational perspective to foster innovative ideas and professional connections
<b>Key Goals</b>	<ul style="list-style-type: none"> <li>▪ Equip radiation researchers with advanced insights into <b>oncology and precision medicine</b>.</li> <li>▪ Explore critical topics like <b>radiological dosimetry</b>, cellular/molecular radiation effects, and <b>radiation epidemiology</b>.</li> <li>▪ Facilitate collaboration between <b>clinicians, translational scientists, and radiation researchers</b>.</li> <li>▪ Foster networking opportunities across disciplines</li> </ul>
<b>Participants</b>	<ul style="list-style-type: none"> <li>- <b>PhD students</b>, postgraduate researchers, early-career or senior scientists in radiation research. Ideal for those without prior clinical research experience or familiarity with oncology.</li> <li>- <b>Face-to-Face Format:</b> Max 8 participants. <b>Hybrid Format (Online):</b> Max 6 participants.</li> </ul>
<b>Content &amp; description</b>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> <b>Day 1 &amp; Day 2 (Mon-Tue):</b> <ul style="list-style-type: none"> <li>• Expert lectures from specialists in Epidemiology, Oncology, Hematology, Immunology, Pathology, Molecular Pathology, in Radiation Research from Hospital Clinic, IDIBAPS, ISGlobal and RADONORM centers</li> <li>• Faculty-led mentorship sessions at the end of each day.</li> </ul> </div> <div style="border: 1px solid black; padding: 5px;"> <b>Day 3 (Wed):</b> Hands-on activities to apply knowledge gained and participation in the Molecular Tumor Board at Hospital Clínic, analyzing real-life cases.                     <ul style="list-style-type: none"> <li> <b>Virtual Option!</b> Hybrid attendees can stream lectures live and mentorship sessions</li> </ul> </div>
<b>AGENDA</b>	
<b>Mon, 10.03.2025</b>	<b>Day 1: Radiation, Cancer and Precision medicine</b>
	<ul style="list-style-type: none"> <li> <b>9.00-9.10:</b> Welcome. (Dr. L. Mezquita)</li> <li> <b>9.10-9.45:</b> Visit of IDIBAPS, Hospital Clinic, UB facilities. (A. Arcocha)</li> <li> <b>9.45-10.00:</b> <u>Coffee break.</u></li> <li> <b>10.15-10.55:</b> Radon, the physicist' perspective. (Dr. B. Madas)</li> <li> <b>10.55-11:35:</b> Radiation-related cancer, the epidemiologist' perspective (Dr. O. Laurent)</li> <li> <b>11.35-12.15:</b> Molecular Epidemiology in Radiation-related cancer (Dr. M. Gomolka)</li> <li> <b>12.15-12.55:</b> Preclinical research in Radiation-related cancer (Dr. J. Boei)</li> <li> <b>12.55-14.15:</b> <u>Lunch Break.</u></li> <li> <b>14.15-14.55:</b> Clinical and translational perspective in cancer (Dr. L. Mezquita)</li> <li> <b>14.55-15.35:</b> Precision medicine and molecular pathways in cancer. (Dr. C. Teixidó)</li> <li> <b>15.35-16:15:</b> Immunoncology: the role of the immune system in cancer. (Dr. S. Navarro)</li> <li> <b>16.15-16.30:</b> <u>Coffee break.</u></li> <li> <b>16.30-17:10:</b> Genetic predisposition in Cancer: inheritance. (Dr. JC Laguna)</li> <li> <b>17.10-17.50:</b> Radiation as cancer treatment: from basics to new advances (Dr. C. Ares)</li> <li> <b>17.50-18.50:</b> Expert Mentoring Sessions: One-on-one discussions with Faculty team.</li> <li> <b>19.30-21.00:</b> Networking &amp; Dinner; Social activity</li> </ul>

<p><b>Tue, 11.03.2025</b></p>	<p><b>Day 2: Solid &amp; Hematological tumors</b></p> <ul style="list-style-type: none"> <li>🕒 <b>9.00-9.40:</b> Lung and thoracic malignancies: clinical and translational perspective (Prof. Benjamin Besse)</li> <li>🕒 <b>9.40-10.20:</b> Brain tumors: clinical and translational perspective. (Dr. E Pineda)</li> <li>🕒 <b>10.20-11.00:</b> Hematological malignancies: clinical and translational perspective. (Dr. Albert Cortés)</li> <li>☕ <b>11.00-11.20:</b> <u>Coffee break.</u></li> <li>🕒 <b>11.20-12.00:</b> Pediatric cancer: clinical and translational perspective. (Dr. A. Castañeda)</li> <li>🕒 <b>12.00-12.40:</b> Thyroid cancer: clinical and translational perspective. (Dr. T. Ramón y Cajal)</li> <li>🍽️ <b>12.40-14.00:</b> <u>Lunch Break.</u></li> <li>🕒 <b>14.00-14.40:</b> Gastric and other digestive tumors: clinical and translational perspective. (Dr. T. Sauri)</li> <li>🕒 <b>14.40-15.20:</b> Breast Cancer &amp; gynecological tumors: clinical and translational perspective. (Dr. T. Pascual)</li> <li>☕ <b>15.20-15.40:</b> <u>Coffee break.</u></li> <li>🕒 <b>15.40-16.20:</b> Head and neck cancer: clinical and translational perspective. (Dr. M. Mazariegos)</li> <li>🕒 <b>16.20-17.00:</b> Other solid tumors: clinical and translational perspective. (Dr. M. García de Herreros)</li> <li>🕒 <b>17.00-18.00:</b> Expert Mentoring Sessions: One-on-one discussions.</li> </ul>
<p><b>Wed, 12.03.2025</b></p>	<p><b>Day 3: Radiation-related cancer, clinical perspective and applications</b></p> <ul style="list-style-type: none"> <li>🕒 <b>9-10:00:</b> <u>Meet the Expert Session</u> <ul style="list-style-type: none"> <li>- <b>9:00-9.15:</b> Environmental &amp; occupational cancer: Exposome (<i>Dr. M. Kogevinas</i>)</li> <li>- <b>9.15-9.30:</b> Radiation related cancer in patients: Impact on Precision Medicine. (<i>Dr. L. Mezquita</i>)</li> <li>- <b>9.30-9.45:</b> Environmental and occupational cancer prevention: primary and secondary interventions (<i>Dr. T Gorria</i>)</li> <li>- <b>9.45-10.00:</b> Roundtable – Discussion</li> </ul> </li> <li>☕ <b>10.00-10.20:</b> <u>Coffee Break.</u></li> <li>🕒 <b>10.20-11.00:</b> <u>Special Lecture 1:</u> Artificial intelligence applications for radon research</li> <li>🕒 <b>11.00-12.00:</b> Attendance to the Molecular Tumor Board of Solid Tumors (Committee at the Hospital Clinic).</li> <li>🕒 <b>12.00-12.40:</b> <u>Special Lecture 2:</u> Patient’s perspective (Patient advocate, AEACaP)</li> <li>🍽️ <b>12.40-14.00:</b> <u>Lunch Break.</u></li> <li>🕒 <b>14.00-16.00:</b> <u>Interactive Group Activity:</u> Designing a Research Project Integrating Clinical and Translational perspective (<i>Dr. L Mezquita &amp; faculty</i>)</li> <li>🕒 <b>16.00-16.30:</b> Conclusions and take-home messages.</li> </ul>
<p><b>Don't miss this unique opportunity to connect, learn, and innovate!</b></p>	
<p><b>Application</b></p>	<p>📅 <b>Application Deadline: January 27th</b></p> <p>📄 <b>What do you need to apply?</b> Send your <u>CV</u> and a <u>short Motivation Letter</u> explaining why you’re interested in this training to: <a href="mailto:lmezquita@clinic.cat">lmezquita@clinic.cat</a>, <a href="mailto:aarcocha@recerca.clinic.cat">aarcocha@recerca.clinic.cat</a></p> <p>👛 <b>What about expenses?</b> Travel and accommodation costs will be covered up to a <b>maximum of 450€ per participant</b> [F2F format]. Additionally, you can apply for a <b>travel grant</b> through RadoNorm to help with expenses <a href="#">👉 RadoNorm Travel Grant</a></p>
<p><b>Faculty</b></p>	<p><b>Coordinator (Host)</b></p> <ul style="list-style-type: none"> <li>- <b>Dr. Laura Mezquita;</b> medical oncologist, clinician-scientist, Coordinator of the Thoracic Tumors Group, Medical Oncology Department, Hospital Clinic, IDIBAPS, Barcelona, Spain; Leader of the MECA team. Co-coordinator of the Molecular Tumor Board at Hospital Clinic; Task leader in RADONORM (4.5)</li> </ul> <p><b>Medical Oncology</b></p> <ul style="list-style-type: none"> <li>- <b>Dr. Juan Carlos Laguna;</b> medical oncologist, Thoracic Tumors Group, Hospital Clinic,</li> </ul>

- IDIBAPS, Barcelona, Spain
- **Dr. Teresa Gorriá**; medical oncologist, Thoracic Tumors Group, Hospital Clinic, IDIBAPS, Barcelona, Spain
- **Ainara Arcocha**; Project manager of Radon Research Projects, Thoracic Tumors Group, Hospital Clinic, IDIBAPS, Barcelona, Spain
- **Dr. Estela Pineda**; medical oncologist, Brain Tumors Group, Hospital Clinic, Barcelona, Spain
- **Dr. Tamara Sauri**; medical oncologist, Gastrointestinal Tumors Group, Hospital Clinic, Barcelona, Spain
- **Dr. Manuel Mazariegos**; medical oncologist, Head and Neck cancer Group, Hospital Clinic, Barcelona, Spain
- **Dr. Teresa Ramón y Cajal**; medical oncologist, Thyroid Cancer Group, Hospital Clinic, Barcelona, Spain
- **Dr. Marta García de Herrerros**; medical oncologist, Urological Tumors Group, Hospital Clinic, IDIBAPS, Barcelona, Spain
- **Dr. Tomás Pascual** medical oncologist, Coordinator of the Breast cancer Group, Medical Oncology Department, Hospital Clinic, IDIBAPS, Barcelona, Spain

#### **Immunology**

- **Dr. Sergio Navarro**, Immunologist, Immunology Department, Hospital Clinic, IDIBAPS, Barcelona, Spain

#### **Radiation Oncology**

- **Dr. Carme Ares**; Radiation Oncologist, Radiation Oncology Department, Hospital Clinic, IDIBAPS, Barcelona, Spain

#### **Hematology**

- **Dr. Albert Cortés**, Hematologist, Hematology Department, Hospital Clinic, IDIBAPS, Barcelona, Spain

#### **Pediatric Oncology**

- **Dr. Alicia Castañeda**; Pediatric Oncologist, Sant Joan de Deu Hospital, Barcelona, Spain

#### **Pathology Department**

- **Dr. Cristina Teixidó**; molecular biologist, Molecular Pathology Department, Hospital Clinic, IDIBAPS, Barcelona, Spain

#### **Molecular Tumor Board**

- **Dr. Xavier Solé**; bioinformatician, Bioinformatics Unit, Molecular CORE Group, Hospital Clinic, IDIBAPS, Barcelona, Spain; Member of the Molecular Tumor Board at Hospital Clinic.
- **Dr. Jose Luis Villanueva**; bioinformatician, Hospital Clinic, IDIBAPS, Barcelona, Spain; Member of the Molecular Tumor Board at Hospital Clinic.
- **Dr. Celia Badenas**; geneticist, Head of the Genetics Unit, at Hospital Clinic, Barcelona, Spain; Member of the Molecular Tumor Board at Hospital Clinic.
- **Dr. Miriam Potrony**; geneticist, Hospital Clinic, Barcelona, Spain; Member of the Molecular Tumor Board at Hospital Clinic.
- **Dr. Elia Grau**, clinical counselor, Hospital Clinic, Barcelona, Spain; Member of the Molecular Tumor Board at Hospital Clinic.
- **Dr. Gisela Grau**, pharmacist, Hospital Clinic, Barcelona, Spain; Member of the Molecular Tumor Board at Hospital Clinic.
- **Dr. Carla Montironi**; molecular biologist, Molecular Pathology Department, Hospital Clinic, IDIBAPS, Barcelona, Spain; Co-coordinator of the Molecular Tumor Board at Hospital Clinic.
- **Dr. Laura Mezquita**; medical oncologist, clinician-scientist, Coordinator of the Thoracic Tumors Group, Medical Oncology Department, Hospital Clinic, IDIBAPS, Barcelona, Spain; Leader of the MECA team. Co-coordinator of the Molecular Tumor Board at Hospital Clinic; Task leader in RADONORM (4.5)

#### **MECA**

- **Dr. Miquel Ferriol, PhD**, Computer Scientist specialist in AI. MECA team, Laboratory of Translational Genomics. IDIBAPS, Barcelona, Spain.

#### **Invited speakers**

- **Dr. Manolis Kogevinas**, MD, PhD; Epidemiologist [ISGlobal, Barcelona, Spain]
- **Dr. Olivier Laurent**, PhD; Epidemiologist [IRSN, France], RADONORM partner

	<ul style="list-style-type: none"><li>- <b>Dr. Balas Madas</b>, PhD; Physicist [EK, Hungary], RADONORM partner</li><li>- <b>Dr. Maria Gomolka</b>, PhD; Molecular Epidemiologist [BfS, Germany], RADONORM partner</li><li>- <b>Dr. Jan J. Boei</b>, PhD; Biologist [LUMC, The Netherlands], RADONORM partner</li><li>- <b>Prof. Benjamin Besse</b>; medical oncologist, head of Clinical Research, Gustave Roussy Cancer Centers, France; Task leader in RADONORM (4.5)</li><li>- <b>Patient</b> [Patient Advocate, Spanish Association of patients with lung cancer (AEACaP)]</li></ul>