



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

Meeting	SINERGY WORKSHOP ON TRANSLATIONAL & CLINICAL ONCOLOGY APPLIED TO ENVIRONMENTAL & OCCUPATIONAL CANCER: FOCUS ON RADON
Coordinator	Laura Mezquita, MD, PhD Hospital Clinic of Barcelona, Barcelona, Spain Laboratory of Translational Genomics and Targeted therapies in solid Tumors, IDIBAPS Department of Medicine, University of Barcelona
Date	13 - 15 May 2024
Place	Campus Clínic (FRCB-IDIBAPS, Hospital Clinic and University of Barcelona – UB -) C/ del Rosselló, 149, L'Eixample, 08036 Barcelona https://www.clinicbarcelona.org/en/idibaps
Course topic:	This is a Workshop for researchers working in the radiation and radon field on clinical and translational oncology applied to radiation-related tumors. The main objective is to train a group of radiation researchers to gain knowledge in oncology and precision medicine applied to radiation-related tumors , an area that has been underexplored in their training for a comprehensive understanding of ionizing radiation in cancer from 360º perspective, integrating the clinical implications.
Objectives	<ul style="list-style-type: none"> ▪ To gain knowledge in oncology and precision medicine focused on <u>radiation-related tumors</u> to improve radiation protection research ▪ To provide a comprehensive understanding of clinical and translational aspects of solid and hematological tumors and immune system interaction, to improve research in radiation-related tumors ▪ To promote networking and collaborations between radiation researchers and clinicians and translational scientists working on radiation-related tumors
Participants	Face to face format: Maximum number of 10 participants. Hybrid format (online): Maximum number of 10 participants. The course is open to PhD students, postgraduate students, early career researchers or senior researchers working on the field of radiation research, specifically to those who are not involved with clinical research and are not acquainted with the clinical practice in and hospital routine in the oncology field. Background in clinical research is not necessary. No fees. Selection of participants by CV and motivation letter.
Content & description	Hybrid and Face to face 3-day course (Mon-Wed). The first 2 days will consist of lectures held by specialists from Medical Oncology, Hematology, Immunology, Pathology and Molecular Pathology Department from the Hospital Clinic of Barcelona and the laboratory of Translational genomics and Targeted therapies from the FRCB- IDIBAPS. Online attendance will be available [under request, only for the lectures, Meet the expert session & MTB learning session]. At the end of each day, reserved time slots will be organized for mentorship sessions with faculty members. The last day will involve more dynamic activities where participants will apply all the knowledge acquired in the previous two days. Finally, attendees will participate in molecular tumour boards held at the Clinic Hospital of Barcelona, discussing real-life cases of patients with cancer integrating the impact on radon and other exposures in clinics. Finally, a patient with lung cancer from AEACAP (Spanish Association of patients with lung cancer) will provide a lecture with the patient’s view of lung cancer and impact on radon research. This number of participants assure effective communication, active participation, and engagement of the participants in the proposed activities (discussion during lectures,

	workshops, etc.). It also ensures that everyone can access the mentoring sessions to exchanges with the faculty team, and to receive guidance for their ongoing projects.
AGENDA	
Mon, 13.05.2024	DAY 1: PRECISION MEDICINE IN ONCOLOGY
	<p>09:00- 09:30: Welcome. (Dr. L. Mezquita; Prof. Aleix Prat)</p> <p>09.30-10:15: Lecture 1: <u>Oncology, Clinical & Translational research in 2024.</u> (Dr. L. Mezquita)</p> <p>10.15-10.40: Coffee Break.</p> <p>10.40- 12.00: Visit - IDIBAPS, Hospital Clinic & UB facilities. (Dr. L. Mezquita; A. Arcocha)</p> <p>12.00-12.45: Lecture 2: <u>Precision medicine and molecular profiling: molecular pathways in cancer.</u> (Dr. C. Teixidó)</p> <p>12.45-14.30: Lunch Break.</p> <p>14.30-15.15: Lecture 3: <u>Immunoncology: the role of the immune system in cancer.</u> (TBC)</p> <p>15.15-16.00: Lecture 4: <u>Genetic predisposition in Cancer.</u> (Dr. JC Laguna)</p> <p>16.00-16.45: Lecture 5: <u>Radiation Oncology in the era of Precision Medicine.</u> (Dr. C Ares)</p> <p>16.45-17.30: Lecture 6: <u>Cancer Prevention: interventions and clinical implications.</u> (Dr. A. Navarro)</p> <p>17.30-17.45: Break.</p> <p>17.45-18.45: <u>Expert Mentoring Sessions</u> [one-on-one discussions between the participants and Faculty team; optional activity – under request]</p>
Tue, 14.05.2024	DAY 2: SOLID & HEMATOLOGICAL TUMORS
	<p>9.00-9.45: Lecture 7: <u>Lung & other thoracic tumors: clinical & translational perspective.</u> (Prof. B. Besse)</p> <p>9.45-10.30: Lecture 8: <u>Brain tumors: clinical & translational perspective.</u> (Dr. E Pineda)</p> <p>10:30-11.00: Coffee Break.</p> <p>11.00-11.45: Lecture 9: <u>Hematological malignancies: clinical & translational perspective.</u> (Dr. Albert Cortés)</p> <p>11.45-12.30: Lecture 10: <u>Pediatric cancer: clinical & translational perspective.</u> (Dr. A. Castañeda)</p> <p>12.30-14.00: Lunch Break.</p> <p>14.00-14.45: Lecture 11: <u>Gastric & other gastrointestinal tumors: clinical & translational perspective.</u> (Dr. T. Sauri)</p> <p>14.45-15.30: Lecture 12: <u>Breast Cancer & gynecological tumors: clinical & translational perspective.</u> (Dr. E. Seguí)</p> <p>15.30-16.15: Lecture 13: <u>Other solid tumors: clinical & translational perspective.</u> (Dr. M. García de Herreros)</p> <p>16.15-16.45: Break.</p> <p>16.45-18.45: <u>Expert Mentoring Sessions</u> [one-on-one discussions between the participants and Faculty team; optional activity – under request]</p> <p>19.00-20.30: <u>Dinner:</u> Participants & Faculty team (<i>Networking activity</i>)</p>
Wed, 15.05.2024	DAY 3: RADIATION-RELATED CANCER & CLINICS

	<p>9.00-10.30: Meet the Expert Session</p> <ul style="list-style-type: none"> - 9.00-9.30: Environmental & occupational cancer: Exposome (<i>Dr. M. Kogevinas</i>) - 9.30-10.00: Radiation related cancer in patients: clinical & translational perspective (<i>Dr. L. Mezquita</i>) - 10.00-10.30: Roundtable – Discussion <p>10.30-11.00: Coffee Break.</p> <p>11.00-12.00: Translation to the Clinic: “<u>Molecular Tumor Board</u>” learning session. A clinical case of a patient with a solid tumor - discussion of the clinical orientation based on the molecular profile. (<i>Dr. JC Laguna</i>)</p> <p>12.00-13.00h: Attendance to the Molecular Tumor Board – Committee - at Hospital Clinic of Barcelona). Discussion of cases of patients with solid tumors & management based on the molecular profile.</p> <p>13.00-14.30: Lunch Break.</p> <p>14.30-15.30: “<u>Precision Medicine Workshop</u>”: Practical Application in Tumor Cases. (<i>Dr. JC Laguna; Dr. L. Mezquita</i>)</p> <p>15.30-16.15: Patient’s perspective (Patient with lung cancer, TBC)</p> <p>16.15-16.30: Conclusions & take-home messages (<i>Dr. L. Mezquita</i>)</p>
<p>Application</p>	<p>Deadline for application [F2F and online format]: April 15th</p> <p>Send your CV and motivation letter to: mezquita@clinic.cat; lalcolea@recerca.clinic.cat</p> <p>Additional information: No financial support will be provided for the participants, they will have to apply for a travel grant in the frame of RadoNorm to cover travel and accommodation costs (https://www.radonorm.eu/calls/call-for-travel-grant/). As a recommendation, the University of Barcelona has dormitories where participants can stay at an affordable price (https://www.penyafort.ub.edu/). There is also the option of accommodation in a hotel near the hospital (centre of Barcelona).</p> <p>Virtual attendance: The current course will be conducted at IDIBAPS, and it is comprised of lectures, a visit to the facilities, attendance to Molecular tumour Board of the Hospital Clinic, a workshop in precision medicine and mentorship sessions with faculty members. Given the nature of some of the proposed activities, there is an option for a hybrid online format to accommodate individuals unable to attend in-person. Lectures will be streamed live via teams and recorded to be accessible for those interested in revising the presented topics in a later time [under request]. For the mentorship sessions, participants attending in person the course will be given priority. However, in the event of available slots, these will also be offered to participants who are unable to attend in person to have the opportunity to receive guidance and feedback for their projects. Maximum number of 20 participants (online format).</p>
<p>Faculty team</p>	<p>Coordinator (Host):</p> <ul style="list-style-type: none"> - Dr. Laura Mezquita; medical oncologist, clinician-scientist, Thoracic Tumors Group, Hospital Clinic, IDIBAPS, Barcelona, Spain; Co-coordinator of the Molecular Tumor Board at Hospital Clinic; Task leader in RADONORM (4.5) <p>Medical Oncology</p> <ul style="list-style-type: none"> - Prof. Aleix Prat; medical oncologist, clinician-scientist, Head of the Clinic Cancer Center at Hospital Clinic, Head of the Laboratory of Translational Genomics in IDIBAPS, Barcelona, Spain - Dr. Juan Carlos Laguna; medical oncologist, Thoracic Tumors Group, Hospital Clinic, IDIBAPS, Barcelona, Spain - Dr. Alejandro Navarro; 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

	<ul style="list-style-type: none"> - Dr. Marta García de Herreros; Urological Tumors Group, medical oncologist, Hospital Clinic, IDIBAPS, Barcelona, Spain - Dr. Elia Segui; medical oncologist, Breast Cancer Group, Hospital Clinic, IDIBAPS, Barcelona, Spain <p>Immunology</p> <ul style="list-style-type: none"> - Dr. (TBC); Immunologist, Immunology Department, Hospital Clinic, IDIBAPS, Barcelona, Spain <p>Radiation Oncology</p> <ul style="list-style-type: none"> - Dr. Carme Ares; Radiation Oncologist, Radiation Oncology Department, Hospital Clinic, IDIBAPS, Barcelona, Spain <p>Hematology</p> <ul style="list-style-type: none"> - Dr. Albert Cortés, Hematologist, Hematology Department, Hospital Clinic, IDIBAPS, Barcelona, Spain <p>Pediatric Oncology</p> <ul style="list-style-type: none"> - Dr. Alicia Castañeda; Pediatric Oncologist, Sant Joan de Deu Hospital, Barcelona, Spain <p>Pathology Department</p> <ul style="list-style-type: none"> - Dr. Cristina Teixidó; molecular biologist, Molecular Pathology Department, Hospital Clinic, IDIBAPS, Barcelona, Spain <p>Molecular Tumor Board</p> <ul style="list-style-type: none"> - 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, Thoracic Tumors Group, Hospital Clinic, IDIBAPS, Barcelona, Spain; Co-coordinator of the Molecular Tumor Board at Hospital Clinic; Task leader in RADONORM (4.5) <p>Invited speakers</p> <ul style="list-style-type: none"> - Dr. Manolis Kogevinas [ISGlobal, Barcelona, Spain] - Prof. Benjamin Besse; medical oncologist, head of Clinical Research, Gustave Roussy Cancer Centers, France; Task leader in RADONORM (4.5) - Patient with lung cancer, AEACAP representative (Spanish Association of patients with lung cancer) <p>Contact: lmezquita@clinic.cat; lalcolea@recerca.clinic.cat</p>
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