

LATEST TRENDS IN
MEDICAL PHYSICS

JUL
07

REGÍSTRATE



WORKSHOP

7 to 11 July 2025

ÁREA CURRICULAR
DE FÍSICA



Hour	Mon	Tue	Wed	Thu	Fri
8:30 A.M.	"Experience at Paris Saclay on the New Flash Radiotherapy technique and projection of future clinical applications" Professor Sophie Heinrich, CNRS, Francia	"New detectors projects for ionizing radiation developed at CNRS in Paris Saclay using in theFlash Radiation Therapy" Professor Sophie Heinrich, CNRS, Francia	"An overview of light ion beam therapy: from Bethe Bloch to chondrosarcoma" Jhonnathan Osorio, Medical Physicist MedAustron Center, Viena, Austria	"Dosimetry with a phoswich detector for equivalent doses H*(10) and H'(0.07)" Doctoral Student, Nocilas Avila, AG Strahlungsphysik, IKTP Institut, TU Dresden University, Germany	"Particle Therapy" Doctoral student.Pamela Parra German Cancer Research Center, Heidelberg, Germany
9:30 A.M.	Two Conferences: "Isocentricity in small beams". "Motion management in abdominal RT and uncertainty effects in AI-generated synthetic images". Dr. Paulo Alejandro Quintero, Memorial Sloan Kattering Cancer Center, NY, USA	"Inteligencia Artificial: una herramienta poderosa para la Física Médica" Dr Amilcar Estrada, Head of Clinical Applications ROCOL, Colombia	POR CONFIRMAR Alejandro Rodriguez, Specialist MR Phillips North Hispanic, BIMEDCO, COLOMBIA	"Ethos therapy: an Adaptive online Intelligence solution" M.Sc Diego Montufar, Latam Product Manager SIEMENS, Latin America	POR CONFIRMAR Paris Tec, Sackay
10:30 A.M	COFFEE BREAK				
11:00 A.M.	"Adaptative Radiotherapy: a convergence of technologies toward the next step in precision treatment" Professor James Robar, Dalhousie University, Halifax, Canadá	"Precision Engineering of Nanoparticles for Enhanced Magnetic Hyperthermia Therapy" Professor Doris Cadavid, UNAL, COLOMBIA	Rond Table: Internship Experiences at Paris Saclay: MSc. Valentina Aviles and Medical Phisics Student,Sebastian Moreno Universidad Nacional de Colombia, Colombia	"Avances del proyecto Sistema Nacional de calidad Dosimétrica Servicio Geológico Colombiano" M.Sc. Julian Niño, SGC, Colombia	POR CONFIRMAR Simone Kodlulovich, IRD, Brasil
12:00 P.M.	"Fe/FeOx core/shell system with potential applications in Magnetic Hyperthermia" Professor Guillermo Muñoz, Universidad del Cauca, Colombia	"Magnetic Nanoparticles applied to drug delivery and environmental remediation" Professor Guillermo Muñoz, Universidad del Cauca, Colombia	"Avances en detectores semiconductores para radiación ionizante" Doctoral Student IAN Rossi, UNAL, Colombia	"Dosimetría en radioterapia intraoperatoria de glioblastomas utilizando el sistema INTRABEAM" Dr. Santiago Ayala, McGill Univesity, Quebec, Canadá	Differents Projects in Medical Physics at Paris Saclay Professor Sophie Heinrich, CNRS, Francia
1:00 P.M.	LUNCH				
2:00 P.M.	Taller: Simulación Accidente Radiactivo Dr. Brighth Sierra, M.Sc Toxicologia, UNAL, Colombia	"Adaptative Radiotherapy: clinical methods and considerations" Professor James Robar, Dalhousie University, Halifax, Canadá	Visit Instituto Nacional de Cancerología (INC) Brachytherapy workshop INC	"Dosimetría MR-Linac" Andrea Vargas, Doctoral student, Praga University	Closing Workshop
3:30 P.M.	COFFEE BREAK			COFFEE BREAK	
4:00 P.M.	Research Seminar of the Physics Department: "Radiobiological results at Paris Saclay on the New Flash Radiotherapy technique" Professor Sophie Heinrich, CNRS, Francia	POR CONFIRMAR SIEMENS Radiologia		"Desarrollo e implementación clínica de dispositivos personalizados en Radioterapia externa y Braquiterapia" Dr. Jose Antonio Díaz, Instituto de Cancerología, Medellín, Colombia	AUDITORIO 1 GLORIA GALEANO AUDITORIO 203, Ed 405, YU TAKEUSHI VIRTUAL CONFERENCE Instituto Nacional de Cancerología