C²TN: RADIATION FOR SCIENCE AND SOCIETY

1st Workshop | 6th December 2017

SCHEDULE

Time	Content	Speaker
9:30 - 9:45	Opening Address	Pedro Vaz
	Session chair: Pedro Vaz	
9:45 - 10:05	Multifunctional nanoparticles for target-specific delivery of radionuclides	Francisco Silva
10:05 - 10:25	Molecular modelling in drug development and VLP design	Rita Melo
10:25-10:45	Ionizing radiation: a tool to control environmental microbiota towards public health safety	Sandra Cabo Verde
10:45 - 11:15	Coffee Break & Poster Session	
	Session chair: Dulce Belo	
11:15 - 11:35	Biological and (nano)dosimetric characterization of radiation exposure effects in Ionizing Radiation-based cancer imaging and therapy	Joana Guerreiro
11:35 - 11:55	Medical Physics and Radiation Protection in Medicine (state-of-the-art)	Mariana Baptista
11:55 - 12:15	Relevance and societal repercussions of NORM/TENORM	Mário Reis
12:15-12:35	Integration of air pollution, climate change and health in urban systems	Marta Almeida
12:35-12:50	Tribute to Isabel Rego dos Santos	António Paulo João Correia
12:50 - 12:55	C2TN Family photo	
12:55 - 14:00	Lunch	
	Session chair: Nuno Canha	
14:00 - 14:20	Radiation detectors with superheated liquids	Miguel Felizardo
14:20 - 14:40	Luminescence Dating, dosimetry and compositional studies applied to cultural heritage: The international prominence of the luminescence dating laboratory of C2TN	Ana Luísa Rodrigues
14:40 - 15:00	Ancient Metallurgy in the Portuguese Territory - from Chalcolithic to the Orientalizing Period	Pedro Valério
15:00 - 15:20	Portugal @ ISOLDE	João Guilherme. Correia
15:20 - 15:50	Coffee Break & Poster Session	
	Session chair: Pedro Teles	
15:50 - 16:10	Biodegradable polymer matrices obtained by ionizing radiation for skin scaffolds	Helena Casimiro
16:10 - 16:30	The f-Elements in the Gas Phase - Chemistry Challenges at the Bottom of the Periodic Table	Joaquim Marçalo
16.30 - 16:50	4-f and 5-f compounds with Single Molecule Magnet Behaviour	Laura Pereira
16:50 - 17:10	The new prototype of Molecular Metals and Superconductors based on bilayers	Sandra Rabaça
17:10 - 17:40	General Discussion and Closing Remarks	Moderated by Fernanda Margaça

Venue:

CTN Auditorium

C²TN - Center for Nuclear Sciences And Technologies

Estrada Nacional 10, ao km 139,7

2695-066 Bobadela

POSTER SESSION

ID	Title	Presenting Author
P01	TLDs for occupational, environmental and medical applications	Joana S. Pereira
P02	Nuclear methods to build geochemical maps of oceanic volcanic islands – societal benefit	Rosa Marques
P03	Assessing the perceived strike notes and tuning properties of two historical carillons based on the identified modes and empirical psychoacoustic pitch criteria	Miguel Carvalho
P04	How and why implant radioactive isotopes on water...!	João Guilherme Correia
P05	Nanoscale observation of Cd impurity activation as a p-type dopant in Ga2O3	João Guilherme Correia
P06	Highly Pixelated Medipix/Timepix detectors – a multiuse new tool for high resolution alpha and electron particles detection	Eric David Bosne
P07	Nuclear techniques applied to Cultural Heritage for a sustainable development	Rosa Marques
P08	Fostering low carbon economy in urban areas	Joana Lage
P09	Influence of Fermi-level on the lattice location of ^{27}Mg in GaN	Ulrich Wahl
P10	New strategies for human exposure assessment to air pollutants	Vânia Martins
P11	Lanthanide based Materials in Spintronics, Environmental and Sensor Applications	Bernardo Monteiro
P12	Catalysis at C^{2}TN: From C1 pollutants to new fuels sources	Ana C. Ferreira
P13	Non-aqueous f-element coordination chemistry at C^{2}TN – Synthesis, structure, bonding and reactivity	Leonor Maria
P14	Molecular Energetics: results for many science fields	João Paulo Leal
P15	Recovery of Rare Earth Elements From Mining, Industrial and Urban Wastes: Economical and Environmental Relevance	José Carretas
P16	EFFECTS OF RADIATION TECHNOLOGIES ON PHENOLIC COMPOUNDS: preservation and degradation perspectives.	Joana Madureira
P17	ROMAN METALLURGY IN LUSITANIA – Sources and Metal Flows from Republican Period to the Roman Empire	Maria Fátima Araújo
P18	PALAEOENVIRONMENTAL RECONSTRUCTION - Stable Isotopes Ratios ($\delta^{18}O$, $\delta^{13}C$) of Carbonate Micro-Samples	Paulo Portela
P19	ISOTOPE HIDROLOGY - Multi-isotopic approach in coastal aquifers: groundwater resources protection and management	Paula Carreira
P20	Ion beams for Cultural Heritage	Luís C. Alves
P21	Radiation for material, environmental and health sciences research at IRIS	Pedro Santos
P22	Nanodosimetry: modeling and simulation of the interaction of Ionizing Radiation at the DNA and cellular level	Ana Belchior
P23	Nuclear and Radiological Emergency Preparedness and Response	Mário Reis
P24	On the fate of radionuclides in the environment - a NORM case study and an experimental scenario with ^{137}Cs	Jan Mihalik

POSTER SESSION (CONT.)

ID	Title	Presenting Author
P25	State-of-the-art of Medical physics and Radiation Protection applications in Medicine	Salvatore Di Maria
P26	Radioactive Waste: Research, Education and Training for an Improved Societal Acceptance and Public Perception	Isabel Paiva
P27	Scientific Metrology: Where do we stand and where do we go from here	Carlos Oliveira
P28	Multifunctional Bioconjugated Gold Nanoparticles for Cancer Theranostics	Francisco Silva
P29	Towards clickable radioimmuno conjugates as theranostic agents for TEM1 targeting	Alice D'Onofrio
P30	(Radio)Biological characterization of beta- and/or Auger-emitting therapeutic radiopharmaceuticals	Joana Guerreiro
P31	Cystic Fibrosis: New Molecular Imaging Tools	Vera Ferreira
P32	Molecular modelling in drug development and VLP design	Rita Melo
P33	Radiolabeled LXXLL Peptides For Estrogen Receptor Targeting	Lurdes Gano
P34	The Low Temperature and High Magnetic Fields Laboratory; a key infrastructure for the Study of Electric and Magnetic properties of Advanced Materials	Elsa Branco Lopes
P35	Thermoelectric materials and applications at C²TN	António Pereira Gonçalves
P36	High temperature synthesis and crystal growth at C²TN: interests and potential	António Pereira Gonçalves
P37	Electronic molecular materials	Dulce Belo