Saturday 29 June 2024

	All Schools (Crystal Hall)		
09:00-11:00	*Welcome* - S. Logothetidis Nanotechnology Lab LTFN, AUTh, Greece S. Logothetidis Nanotechnology Lab LTFN, AUTh, Greece ***Nanotechnology and Applications and short discussion with the participants***		
11:00-11:30	*Coffee Break*		
11:30-13:30	**School 1 (Crystal Hall)**	**School 2 (Timber Hall I)**	**School 3 (Timber Hall II)**
11:30-12:30	**Prof. Kostas Sarakinos**, University of Helsinki, Finland Vapor-deposited inorganic thin films	**Prof. Alexander Colsmann**, Karlsruhe Institute of Technology (KIT), Germany *Solar Energy from Plastic Foils*	**Prof. Xanthippi Chatzistavrou**, Aristotle University of Thessaloniki, Greece Introduction to NanoBiomaterials
12:30-13:30			
13:30-15:00	*Lunch Break*		
	School 1 (Crystal Hall)	**School 2 (Timber Hall I)**	**School 3 (Timber Hall II)**
15:00-16:00	**Prof. Vasileios Koutsos**, University of Edinburgh, UK *AFM: principles and applications*	**Dr. Otello Maria Roscioni**, Goldbeck Consulting Ltd., UK *Organic semiconductor landscapes from molecular dynamics simulations*	**Prof. Eleana Kontonasaki**, Aristotle University of Thessaloniki, Greece Nanotechnology in Dentistry
16:00-17:00			
17:00-17:30	*Coffee Break*		
17:30-19:30	**All Schools POSTER SESSION**		

Sunday 30 June 2024

	All Schools (Crystal Hall)		
09:00-10:00	**Dr. Jiri Pfleger**, Czech Academy of Sciences, Czech Republic		
10:00-11:00	*Electronic Memory Phenomena in Organic Semiconductors - from memristors to artificial neuron synapses*		
11:00-11:30	*Coffee Break*		
11:30-13:30	**School 1 (Crystal Hall)**	**School 2 (Timber Hall I)**	**School 3 (Timber Hall II)**
11:30-12:30		**Prof. Fabio Biscarini**, Italian Institute of Technology & University of Modena and Reggio Emilia, Italy	
12:30-13:30	**Prof. Elyahou Kapon**, EPFL, Switzerland *Integrated Quantum Photonics: Fundamentals and Applications*	*Correlation between Multiscale Morphology and Materials/Device Properties of Organic Thin Films*	**A. Orfanos**, BL-Nanobiomed PC *Hands on Bioprinting methods*
13:30-15:00	*Lunch Break*		
15:00-17:00	**School 1 (Crystal)**	**School 2 & School 3 (Timber Hall I)**	
15:00-16:00	**Dr. Raul Arenal**, University of Zaragoza, Spain		
16:00-17:00	*Transmission Electron Microscopy: Generalities, Techniques and Applications*	**Dr. Salim El Hadwe**, University of Cambridge, UK *Bioelectronic Medicine current practice and future opportunities*	
17:00-17:30	*Coffee Break*		
17:30-19:30			

Monday 1 July 2024

	All Schools (Timber Hall II)
11:30-13:30	**Dr. Iosifina Sarrou**, Wiley-VCH, Germany *Manuscript Preparation, the Editorial Process and Integrity Issues in Scientific Publishing, a Workshop for Authors*

Saturday 6 July 2024

	School 1 (Crystal Hall)	School 2 (Timber Hall I)	School 3 (Timber Hall II)
9:00-11:00	**S. Kassavetis**, Nanotechnology Lab LTFN, AUTh, Greece *Plasmonic Thin films growth and optical characterisation*	**A. Laskarakis,** Nanotechnology Lab LTFN, AUTh, Greece *Intelligent Nanomanufacturing of Organic Electronics and In-Line Metrology for Quality Control*	**Y. Missirlis,** Lab of Biomechanics & Biomedical Engineering, University of Patras, Greece *Introduction to Bioreactors for Tissue Engineering*
11:00-11:30	*Coffee Break*		
	School 1 (Crystal Hall)	**School 2 (Timber Hall I)**	**School 3 (Timber Hall II)**
11:30-13:30	**N. Pliatsikas,** Physics Department, AUTh, Greece *Surface chemical analysis by electron spectroscopy techniques: XPS/AES, SAM/Topographic XPS*	**D. Tselekidou**, Nanotechnology Lab LTFN, AUTh, Greece *OLEDs Technology and Applications*	**T. Mitsiadis**, University of Zurich, Switzerland *Combining genetics, stem cells and various biotechnological tools for emulating human dental tissues*
13:30-15:00	*Lunch Break*		
	All Schools (Crystal Hall)		
15:00-17:00	**I. Feitshans**,European Scientific Institute, France *Global Health Impacts of Nanotechnology Law for Scientists Solutions that Avoid Liability*		
17:00-17:30	***Closing Remarks***		

School 1 Nanosciences & Nanotechnologies

P1	**Isocyanate-free urethanediol itaconates as biobased liquid monomers in photopolymerization-based 3D printing** R. Carmenini, C. Spanu, E. Locatelli, L. Sambri, M. Comes Franchini* and M. Maturi* Department of Industrial Chemistry "Toso Montanari", University of Bologna, Viale Risorgimento 4, 40136 Bologna, Italy
P2	**Tunable polarization degeneracy points in a perovskite-filled open cavity** Woyciechowska A.*[1], Kędziora M.[1], Opala A.[1,2], Sigurðsson H.[1,3], Król M.[1]., Mazur R.[4], Piecek W.[4], Szczytko J.[1], Piętka B.[1] [1]Institute of Experimental Physics, Faculty of Physics, University of Warsaw, Poland [2]Institute of Physics, Polish Academy of Sciences, Warsaw, Poland [3]Science Institute, University of Iceland, Reykjavik, Iceland [4]Faculty of New Technologies and Chemistry, Military University of Technology, Warsaw, Poland
P3	**Innovative gold nanoparticles-based biosensors for point of care (POC) pathogen detection** Colombo A.*, Giustra M., Salvioni L., Tomaino G.,Barbieri L., Colombo M., NanoBioLab, Department of Biotechnology and Bioscience, University of Milano-Bicocca, Italy.
P4	**Laser induced photothermal effect of anisotropic nanoparticles for oncologic therapy: Preliminary results** Novati B.*[1], Giustra M.[1], De Vita E.[2], Salvioni L.[1], Bianconi F.[3], Lo Presti D.[3,4], Gizzi A.[3], Iadicicco A.[2], Massaroni C.[3,4], Schena E.[3,4], Campopiano S.[2], Prosperi D.[1] [1]Department of Biotechnology and Bioscience, University of Milano Bicocca, Milan, Italy [2]Department of Engineering, University of Naples "Parthenope", Naples, Italy [3]Research Unit of Measurements and Biomedical Instrumentation, Department of Engineering, Università Campus Bio-Medico di Roma, Roma, Italy [4]Fondazione Policlinico Universitario Campus Bio-Medico, Roma, Italy
P5	**Functionalized red emitting carbon dots as fluorescent additives for 3D printing photopolymerization** S. Maturi,[1] A. Baschieri,[2] E. Locatelli,[1] M. Comes Franchini[1] and L. Sambri[1] [1]Department of Industrial Chemistry "Toso Montanari", University of Bologna, via P. Gobetti 85, Bologna, 40129, Italy [2]ISOF, CNR, via P. Gobetti 101, Bologna, 40129, Italy
P6	**Surrogate model for exciton-polariton condensation** K. Kuba[1], M. Matuszewski[2,3], B. Piętka[1], A. Opala[1,2] [1]Institute of Experimental Physics, Faculty of Physics, University of Warsaw, ul. Pasteura 5, PL-02-093 Warsaw, Poland [2]Institute of Physics, Polish Academy of Sciences, Aleja Lotników 32/46, PL-02-668 Warsaw, Poland [3]Center for Theoretical Physics, Polish Academy of SciencesAleja Lotników 32/46, 02-668 Warsaw, Poland
P7	**Anodic thin film growth on Al/Ti/Nb and Al/Hf/Nb three-layers** Hoha A.[1], Turavets U.[1], Zavadski S.[2], Golosov D.[2], Granko S.[3], Pligovka A.[1] [1]Research and Development Laboratory 4.10 "Nanotechnologies", Belarusian State University of Informatics and Radioelectronics, 6 Brovki Str., Minsk 220013, Republic of Belarus [2]Center 2.1 of R&D Department, 2Belarusian State University of Informatics and Radioelectronics, 6 Brovki Str., Minsk 220013, Republic of Belarus [3]Department of Micro- and Nanoelectronics, Belarusian State University of Informatics and Radioelectronics,6 Brovki Str., Minsk 220013, Belarus
P8	**Anodic Niobia Nanowire Assisted Electrodeposition of Bismuth Arrays** Pligovka A.[1], Zavadski S.[2], Golosov D.[2] and Granko S.[3] [1]Research and Development Laboratory 4.10 "Nanotechnologies", Belarusian State University of Informatics and Radioelectronics, 6 Brovki Str., Minsk 220013, Belarus [2]Center 2.1 "Ion Plasma Systems and Technologies",Belarusian State University of Informatics and Radioelectronics, 6 Brovki Str., Minsk 220013, Belarus [3]Department of Micro- and Nanoelectronics, Belarusian State University of Informatics and Radioelectronics,6 Brovki Str., Minsk 220013, Belarus
P9	**Nanofilms Fabricated via Anodizing of Al/WTi Layers** Hoha A.[1], Turavets U.[1], Granko S.[2], Pligovka A.[1] [1]Research and Development Laboratory 4.10 "Nanotechnologies", Belarusian State University of Informatics and Radioelectronics, 6 Brovki Str., Minsk 220013, Republic of Belarus [2]Department of Micro- and Nanoelectronics, Belarusian State University of Informatics and Radioelectronics, 6 Brovki Str., Minsk 220013, Republic of Belarus

P10	**Detecting potential single photon emitters in C-doped GaN** J. Misiak[1], K. Kliczewska[1], P. Kulboka[1], N. Dalla[1], M. Kobecki[1], P. Kossacki[1], P. Prystawko[2], H. Turski[2], and T. Jakubczyk[1] [1]Faculty of Physics, University of Warsaw, Warsaw, Poland [2]Institute of High Pressure Physics "Unipress", Polish Academy of Sciences, 01-142, Warsaw
P11	**Nanoengineering of anodic aluminum oxide templates for photonic applications** Malecka U., Gałan S., Pietrusińska K., Stefaniuk T. Institute of Geophysics, Faculty of Physics, University of Warsaw, Poland
P12	**Photocurrent studies of epitaxial MoSe2 multilayers** Kuna M.*, Raczyński M., Pacuski W., Kossacki P., Faculty of Physics, Institute of Experimental Physics, University of Warsaw, Poland
P13	**Optical properties of low-concentration Eu3+-doped 13X luminescent zeolites** A. Safonova[1], G. Mariotto[2], N. Daldosso[2], F. Enrichi[2] [1]Department of Diagnostics and Public Health, University of Verona [2]Department of Engineering for Innovation Medicine, University of Verona Strada le Grazie 15, Italy
P14	**Multiplication of laser repetition rate exploiting Fabry-Perot resonator** G. Wlaź*, M. Kobecki, T. Jakubczyk, P. Kossacki Institute of Experimental Physics, Faculty of Physics, University of Warsaw, Poland
P15	**Multifunctional Wireless BTO@PEDOT Core@shell Nanobioelectronic Systems for Cancer Therapy** C. Franco Jones*[1,2], F. Castelo Ferreiraa,[2], P. Sanjuan- Alberte[1,2], Teresa Esteves[1,2] [1]Department of Bioengineering, Institute for Bioengineering and Biosciences, Instituto Superior Técnico, Universidade de Lisboa, Av. Rovisco Pais, 1049-001 Lisbon, Portugal [2]Associate Laboratory i4HB-Institute for Health and Bioeconomy, Instituto Superior Técnico, Universidade de Lisboa, Av. Rovisco Pais, 1049-001 Lisbon, Portugal
P16	**Nanofabrication of tailorable Titanium Nitride plasmonic nanostructures** P. Rampota, S. Panos, N. Pliatsikas, D. Tselekidou, P. Patsalas, S. Kassavetis Nanotechnology Lab LTFN, Physics Department, Aristotle University of Thessaloniki, Thessaloniki, GR-54124, Greece
P17	**Innovative fabrication of metal oxide nanoparticles by Laser Ablation in solvents** E. Karkadaki, S. Panos, N. Pliatsikas, S. Kassavetis, P. Patsalas. Department of Physics, Aristotle University of Thessaloniki, GR-54124 Thessaloniki, Greece
P18	**3D-Nanopores tailored for optical and electrical applications** Lanzavecchia G.*[1, 2], Sapunova A.[1,3], Douaki A.[1], Garoli D.[1,4], Krahne R.[1] [1]Italian Institute of Technology, Via Morego 30, 16163, Genoa, Italy. [2]Department of Physics, Università di Genova, Via Dodecaneso 33, 16146, Genoa, Italy [3]Università degli Studi di Milano-Bicocca, Piazza dell'Ateneo Nuovo 1, 20126, Milan, Italy [4]Dipartimento di Scienze e Metodi dell'Ingegneria, Università degli Studi di Modena e Reggio Emilia, Via Amendola 2, 43122, Reggio Emilia, Italy
P19	**Synthesis of novel biobased composites based on poly (lactic acid)** P. Moschopoulou[1], E. Xanthopoulou[2], D. N. Bikiaris[2], A. Konstantinidis[3] *[1]Department of Physics, Aristotle University of Thessaloniki, Greece* *[2]Department of Chemistry, Aristotle University of Thessaloniki, Greece* *[3]Department of Civil Engineering, Aristotle University of Thessaloniki, Greece*

School 2 Organic Electronics

P20	**Organic Bolometers for Far Infrared Detection** B. Bijnens, K. Vandewal Hasselt University, IMOMEC, Diepenbeek Belgium
P21	**Decoupling excitonic static and dynamic disorder in organic semiconductors** F. Siebe*, Van Landeghem M., Mertens S., Vandewal K. Instituut voor Materiaalonderzoek (IMO-IMOMEC), Hasselt University, Wetenschapspark, 1, Diepenbeek 3590, Belgium.

P22	**Impact of homocoupling defects on polymer transistor performance** Goossens A.*[1,2], Bynens L.[1,2], Vanderspikken J.[1,2], Maes W.[1,2], Vandewal K.[1,2] [1]Institute for Materials Research (IMO), Hasselt University, Diepenbeek 3590, Belgium [2]Interuniversity Microelectronics Centre (IMEC), Associated lab IMOMEC, Diepenbeek 3590, Belgium
P23	**Development and characterization of printed transparent electrode nanolayers for applications in organic electronics** A. Papadopoulos, C. Kapnopoulos, E. Doudis, E. Paraschoudi, P. Rampota, I. Chatziioannou, C. Stavraki, A. Paliagkas, S. Logothetidis, A. Laskarakis Nanotechnology Lab LTFN, Department of Physics, 54124, Aristotle University of Thessaloniki, Greece
P24	**Derivatives Of 2,12-Di-Tert-Butyl-5,9-Dioxa-13b-Boranaphtho[3,2,1-De]Anthracene For Organic-Light Emitting Diodes Application** A. Zielinska[1,2], P. Trzaska[1], M. Bosiak [1,3] [1]Noctiluca SA, Torun, Gagarina 7 St., Poland [2]Doctoral School of Exact and Natural Sciences "Academia Scientiarum Thoruniensis", Grudziądzka 5, 87-100 Torun, [3]Nicolaus Copernicus University, Torun, Gagarina St. 7, Poland
P25	**Impact of Energy Level Alignment and Interfaces' Integrity on Multilayer OLEDs' Performance: A Comparative Study** D. Kanatsiopoulos, K. Papadopoulos, D. Tselekidou, S. Logothetidis, M. Gioti Lab of Thin Films, Nanobiomaterials, Nanosystems & Nanometrology (LTFN), Physics Department, Aristotle University of Thessaloniki, GR-54124 Thessaloniki, Greece
P26	**Investigation of the Effect of Modified Hole Transport Layers on the Efficiency of Printed Perovskite Solar Cells** A. Kostopoulou[1], C. Stavraki[1], C. Kapnopoulos[1], E. Paraschoudi[1], P. Rampota[1], K. Papadopoulos[1], S. Kassavetis[1], E. Mekeridis[2], S. Logothetidis[1,2], A. Laskarakis[1] [1]Lab for Thin Films, Nanobiomaterials, Nanosystems & Nanometrology (LTFN), Physics Department, Aristotle University of Thessaloniki, GR-54124 Thessaloniki, Greece [2]Organic Electronic Technologies (OET), 20th KM Thessaloniki - Tagarades, 57001 Thermi, Greece
P27	**Investigation of organometallic Iridium complexes as potential emissive materials for OLED applications** Z. Malika[1], D. Tselekidou[1], K. Papadopoulos[1], D. Kanatsiopoulos[1], S. Logothetidis[1,2], M. Gioti[1] [1]Nanotechnology Lab LTFN, Department of Physics, Aristotle University of Thessaloniki, GR-54124, Thessaloniki, Greece [2]Organic Electronic Technologies P.C. (OET), 20th KM Thessaloniki- Tagarades, 57001, Thermi, Greece
P27-B	**Machine Learning for the optimization of the Manufacturing the Printed Organic Photovoltaics** G. Krokidas[1], S. Kassavetis[1], Ch. Kapnopoulos[1], S. Logothetidis[1,2], A. Laskarakis[1] [1]Nanotechnology Lab LTFN, Department of Physics, Aristotle University of Thessaloniki, GR-54124, Thessaloniki, Greece [2]Organic Electronic Technologies P.C. (OET), 20th KM Thessaloniki- Tagarades, 57001, Thermi, Greece

School 3 Nanomedicine

P28	**Green synthesis of magnetic bio-MOFs for combined cancer therapy via magnetic hyperthermia and drug delivery** J. Barman[1,2], T. Pellegrino[2] [1]University of Genoa, Via Balbi, 5, Genoa, 16126, Italy [2]Italian Institute of Technology, Via Morego, 30, Genoa, 16163, Italy
P29	**Rational control of magnetic and relaxation properties of magneto-plasmonic nanoparticles** Nistor M.*[1,2], Balan V.[1,3], Pui A.[2], Uritu C. M.[4], Stiufiuc R.-I.[1,5], Dragoi B. [1,2] [1]Nanotechnology Laboratory, TRANSCEND Research Center, Regional Institute of Oncology, 2-4 General Henri Mathias Berthelot Street, 700483 Iași, Romania [2]Faculty of Chemistry, Alexandru Ioan Cuza University of Iași, 11 Carol I Boulevard, 700506 Iași, Romania [3] Biomedical Sciences Department, Faculty of Medical Bioengineering, Grigore T. Popa University of Medicine and Pharmacy of Iasi, Romania [4]Advanced Centre for Research-Development in Experimental Medicine, Grigore T. Popa University of Medicine and Pharmacy, Romania [5]Department of Nanobiophysics, MedFuture Research Center for Advanced Medicine, "Iuliu Hatieganu" University of Medicine and Pharmacy, Romania
P30	**Development of Magnetic Layered Double Hydroxides - Iron Oxide hybrid materials with high potential for theranostic applications** Ibanescu A.*[1], Nistor M.[1,2], Balan V.[1,3], Grigoras M.[4], Stiufiuc R.-I.[1,5], Dragoi B.[1,2] [1]Nanotechnology Laboratory, TRANSCEND Research Center, Regional Institute of Oncology, 2-4 General Henri Mathias Berthelot Street, 700483 Iași, Romania [2]Faculty of Chemistry, Alexandru Ioan Cuza University of Iași, 11 Carol I Boulevard, 700506 Iași, Romania [3]Department of Biomedical Sciences, Faculty of Medical Bioengineering, "Grigore T. Popa" University of Medicine and Pharmacy, Romania [4]National Institute of Research and Development for Technical Physics, 700050, Iasi, Romania [5]Department of NanoBioPhysics, MedFuture Research Center for Advanced Medicine, Iuliu Hatieganu University of Medicine and Pharmacy, Romania

P31	**Temperature dependent morphologic and surface charge properties of Au plasmonic NPs and impact on RAMAN signal enhancement** Mairean C.-P.*[1,2], Olariu D.-I.[1,2], Dragoi B.[1,2], Stiufiuc, R.-I.[1,2,3] [1]Nanotechnology Laboratory, TRANSCEND Research Center, Regional Institute of Oncology, 2-4 General Henri Mathias Berthelot Street, 700483 Iasi, Romania [2] Faculty of Chemistry, Alexandru Ioan Cuza University of Iasi, 11 Carol I Boulevard, 700506 Iasi, Romania [3] Department of NanoBioPhysics, MedFuture Research Center for Advanced Medicine, "Iuliu Hatieganu" University of Medicine and Pharmacy, Cluj-Napoca, Romania
P32	**Dynamic hydrogels based on selectively functionalized polysaccharides for anticancer controlled drug delivery** Duceac I.A.*[1,2], Stiufiuc R.I.[2,3], Dragoi B.[2,4], Coseri S.[1] [1]Polyaddition and Photochemistry Department, "Petru Poni" Institute of Macromolecular Chemistry, 700487 Iasi, Romania [2]Nanotechnology Laboratory, TRANSCEND Research Center, Regional Institute of Oncology, 700483 Iasi, Romania [3]Department of Nanobiophysics, MedFuture Research Center for Advanced Medicine, "Iuliu Hatieganu" University of Medicine and Pharmacy, Romania [4] Faculty of Chemistry, Alexandru Ioan Cuza University of Iași, 11 Carol I Boulevard, 700506 Iași, Romania
P33	**Calibration and Characterization of Biohybrid Catheters integrating organic transistor-based strain sensors** U. Mahmood[1], G. Casula[1], A. Bartolucci[2], P. Cosseddu[1], L. Ricotti[2], L. Vannozzi[2], S. Lai[1] [1]Department of Electrical and Electronic Engineering, University of Cagliari, Piazza d'Armi, 09123 Cagliari,Italy [2]The Biorobotic Institute, Scuola di Studi Superiori Sant'Anna, Viale Rinaldo Piaggio 34, 56025Pontedera, Italy
P34	**Biomolecule Surface Immobilizers Fabricated by Anodizing of Al/Nb and Al/Ta Layers** Ranishenka B.[1], Hoha A.[2], Poznyak A.[2], Shmanai V.[1], Pligovka A.[2] [1]Institute of Physical Organic Chemistry, National Academy of Sciences of Belarus, 13 Surganova Str., Minsk, 220072, Belarus [2]Research and Development Laboratory 4.10 "Nanotechnologies", Belarusian State University of Informatics and Radioelectronics, 6 Brovki Str., 220013 Minsk, Belarus
P35	**Unveiling the Potential of Photothermal Therapy: NIR-797-Loaded PLGA Nanoparticles for Enhanced Cancer Treatment** Borlan R.*[1], Tudor M.[1], Soritau O.[2], Florea A.[3], Astilean S.[1,4], Focsan M.[1,4] [1]Nanobiophotonics and Laser Microspectroscopy Centre, Interdisciplinary Research Institute on Bio-Nano-Sciences, Babes-Bolyai University, Cluj-Napoca, Romania [2]Department of Radiobiology and Tumor Biology, Oncology Institute Prof. Dr. Ion Chiricuta, 34-36 Republicii Street, Cluj-Napoca, Romania [3]Department of Cell and Molecular Biology, Faculty of Medicine, Iuliu Hatieganu University of Medicine and Pharmacy, 8 Victor Babes Street, Cluj-Napoca, Romania [4]Biomolecular Physics Department, Faculty of Physics, Babes-Bolyai University, 1 Mihail Kogalniceanu Street, Cluj-Napoca, Romania
P36	**Tailored Therapeutics: BSA-Coated SPIONs Grafted with Curcumin for Advanced Cancer Therapy** Lapusan R.*[1,2], Borlan R.[1], Balmus A.[2], Muntean M.[3], Focsan M.[1,2] [1]Nanobiophotonics and Laser Microspectroscopy Centre, Interdisciplinary Research Institute on Bio-Nano-Sciences, Babes-Bolyai University, Romania [2]Biomolecular Physics Department, Faculty of Physics, Babes-Bolyai University, 1 Mihail Kogalniceanu Street, Cluj-Napoca, Romania [3]Department of Cell and Molecular Biology, Faculty of Medicine, Iuliu Hatieganu University of Medicine and Pharmacy, 8 Victor Babes Street, Cluj-Napoca, Romania
P37	**Zinc / Manganese Doped Iron Oxide Nanoparticles to Control Radical Generation and Magnetic Hyperthermia** Morales O. M.*[1,2,3,4], Lima Jr. E.[2], Vasquez, M.[2] and Goya R. G.[3,4] [1]Balseiro Institute, Bariloche Atomic Centre, Bustillo Av. 9500, 8400 S. C. de Bariloche, Argentina [2]Nanoscience and Nanotechnology Institute, CNEA, CONICET, CAB, Bustillo Av. 9500, 8400 Bariloche, Argentina [3]University of Zaragoza, Condensed Matter Department, C/ Pedro Cerbuna 12, 50009 Zaragoza, Spain [4]Aragon Nanoscience and Materials Institute, CSIC-UNIZAR, C/Mariana Esquillos S/N, 50018 Zaragoza, Spain
P38	**Development and Preclinical Validation of Curcumin Nanoparticles and biofunctionalized Curcumin Nanoparticles for targeted delivery of antithrombotic and antiinflammation factors to treat Atherosclerosis** K. Meliopoulou[1], K. Tsimenidis[2], A. Orfanos[2], A. Laskarakis[1], S. Logothetidis[1,2], V. Karagkiozaki[2] [1]Nanotechnology Lab LTFN, Physics Department, Aristotle University of Thessaloniki, Greece [2]BL Nanobiomed P.C., 20th Km Thessaloniki – Tagarades Road, Thessaloniki, Greece