6 MO Open Ro Session Chair: Prof. Gentic Knowen;	sing commony om Progress Prof. Marreo Gherardi, Prof. Eur-Ha Choi					THUS			
Circles Cared - Learness bears in planess we would great the replace to have common opportunities for planes are distinctly Boson Progress		Chemotrared Louid theration for bose cancer concentration for chemotracidis F1 Progr. Browning Florars Revising Biobert: A Pathwan Towards Delating a "Does" in Planta-Medicine F2		Kelturine Reprinters - Planta and Planta Unpid Chemistry in the Prevence of Organic Matter P3 Boom Progress		Various Bachara -Condensating and uses the places of these activities with the himselvenibe being the electric charge PA Room Progress		Julia Bardere «Pinema-driven biocardytic challenges and approximities PS  Room Progress	
Helivolament break (30 min)		Refreshm (30 :	ont break nin)	References break. (20 min)		Referentment break (18 min)		Refreshe (H	nent break min)
let Cost Annual Meeting Room Mission 1	Room Mission 2	let Cost Annual Meeting Boom Mission 1	Room Mission 2	1st Cost Annual Meeting Room Mission 1	Room Mission 2	Reem Mission 1	Room Mission 2	Room Mission I	Room Mission 2
Hitomasa Tasaka -Molecular mechanisms of cell death by plasm activated solutions in glinklastorna cells II DIAI	Hise Bicop-Hischining Non-Thornal Planna-induced Gill Daub Mechanisms for Dince and Indince Trusament Conditions. OI DIBI Its Junka: Gosous planna summer of vascular states a powerful tool for new gostation vascular states CO 2 DIBI	Utto Kiloyat Ercan -Denomination of Autoricorbid Soweigh of Cold Autorophotic Plasma Activated Wires by Colorination and Electrochemical Methods On D2A1 Romals Lautes -On the use of cold autorophotic processor plasmas and plasma activated water for food processing O2 D2A1	Konstantin Kostor - Development of Remote Atmospheric Plasma Jets for Biomedical Applications II DZB1	Exclien Smins -The tumor immunologies's point of view on preclinical and clinical studies in the context of plasma oncology II DJAI	Netholas I. Sporsel -Atmosphotic Plasma Generated Narian Production and Optimization in a Wine-scaled DBD Bubbler. OI D1B1  Natus HojoliAtmosphotic pressure plasma technology – a powerful tool against asyconomic contamination of fixed. OI D381	Bohin Morthouse Arathemetal combination of cold planta-activated water and pulsed descrite fields: OR DIA1 Anna Machkord-Comparing the biocidal proporties of non-thormal planta sources with correlled transmer parameters by reference promotol OD DIA1	Ramoni Clemen -Gas Piasma Technology Augments Ossilvarian Immunogenicity and OT-II T Cell Activation Conferring Tumor Protection in Mice II D4BI	Lea Minhach-Conductivity augments ROS and RNS delivery and turner toxicity of an argen plasma jet 11 DSA	Sarah-Johanna Klow-Formation of H202 in a cold atmosphe plasma jet Ol DSB Dr Nimpurna Torati-Understanding Nistata, Nicoto and F Radical Generation through Interaction of Cold Plasma with Study Using 2 Special 33-28 Mile Cold Plasma with
Sunder Bekeschus -Medical gas plasma augments bladder cancer cell unsicity and immunogenicity in preclinical models and patient-derived names tours OT DEAT	Vandara Miller-Plasma immunomodulation: secondary and tertiary effects: O3 DHBI	Yary Gorbanev - Plasma-Liquid Interactions: The role of liquid II	Ean Ha Choi-Calculation of O5 and O density coemining humiday generated from nonthermal atmospheric plasma. O1 D2B1	Augusto Stanzampiano - Cold plasma and Electrochomotherapy: in vivo- combined treatment OI D3AI	Duncan Towan -Characterization and Optimization of Complex Surface Dielectric Burier Discharges for the Puspose of Food Decommination O3 D381	Suresh Joshi -Plasma-Based Solution for Bacterial Inactivation: A	Martin Weiss -Cell type-specific anti-adhosion properties of perinonal consument with plasma-activated media (PAM). OI D-881	Brace Locke -Development of a Formic Acid Dograder Gill for Coupling of Gas-Liquid Plasma Chemical Reactors with Enhanced Rioreactors OI DSA	Publo Focot-Bocanages - Cold Plasma in Zero Guréey and Personne Conditions for Disinfection and Decontamination in and Aerospace Environments O5 D5B
Francesco Tampieri -Biocompunhle Composite Hydrogole for Storag and Delivery of Plasma-Generated Reactive Species CQ DIA1	Johanna Striesow -Formation of lipid peroxidation products by gas plasmas - translation from the liposome model to human plantiets: O4 DIBI	D2A1	Julion Bissonners-Dulude-Coupling of microfluidic devices with reference cold plasma jet. O2 D281	Thierry DUFOUR-Cold plasma endoscopy applied to cholangiocarcinema: thempeuric study & feasibility study on postcine anazonical models O2 DTA1	Hemadiya Malla -Meerifying Important Reactive Oxygon Nitrogon Species in Sub-nanosecond Pulsed Discharges using Zero-dimensional Simulations O4 D/Bit	Novel Approach II D4A1	Vikus Soni-In-Vitro and In-Vivo Treatment of Cancer Using Various Plasma Devices and Drugs. O2 D4B1	Hanne Veersyvel «Elacidating the Immunogenicity of Non-Thomal Plasma Combination Thompsy in a 3D Tumour Model of Head and Nock Squamous Cell Cascinoma. O2 DSA	Inter-Chara Constitution desired
Likes Pete -Chemistry and cynomic properties of amino acids modifie by He/O2 plasma in caline solutions O5 D1A1	Tomoşuki MURAKAMI -Numerical modeling of the cell fate decision and the innune immunity influenced by cold atmospheric plasmas: OS DIBI	Ana Mogia -Plasma Activated Water (PAW). Against Vinus and Multideng Resistant Bacteria: characterization and in vitro experiments OS D2A1	Sebastian Buthenn - Impact of humidity on the OH distribution in the effluent of the COST-jet measured by later induced fluorescence: OS D281	Maja Mileté - Dioe cold plasma pertrument of beta-nicalcium phosphare regether with periodontal ligament stem cells enhance bone regeneration in vivo? O3 D3A1	Varyl Shvalya -Plasma-made optical sensors for ppb level myconssins diagnostics OS D301	Min Xie -Growth phase, short-living RONS and acidity govern cold atmospheric plasma (CAP) antibacterial monibutes activity in suspension OS D4A1	Uttu Kliesar Oscan -longation of Protonneal Cavity with Cold Annospheric Plasma Traunal Solution. Effectively Reduces Microbial Load in Rat Acuse Peritonists Model: O5 D4B1	Ruben Verloy -Triple co-culture spheroid model of pancreatic cancer for plasma research. OS DSA	atmospheric poessure plasmas for life science-related app 11 D5B
Andplija Petrovic -Optimization of a DBD plasma jet in contact with liquids for application in biomedicine O4 D1A1	Masur-Plasma modulation of human progonitor cells: O6 D1B1	Olivera Jovanessić -Plasma pin-jet for treatment of water: production of macrive species in detilled and tap water O4 D2A1	Andra-Cionina Bossanara-Mycobactericidal Efficacy of Non-Thornal Plasma Activated Water O4 D2B1	Sander Bekerchus -Ropeaned exposure of the onal macrosa over 12 moeths with cold plasma is not carcinogenic in mice O4 D5A1	Alexandra Waskow -Understanding the molecular mechanisms of non- thermal plasma treatments on Ambidopsis thaliana seeds. O7 D3B1	Courti Brissam - Impact of Bacterial Growth Phase on Liquid Decontamination Efficiency Using Astrospheric Pressure Plasma. O4 D4A1	Krimian Woode -Rolevance and limitation of plasma-driven pennin oxidation in model and clinical application. O4 D4B1		
Pains Shali-Plasma directly generated in liquids as an innovative meth- to near cancerOS D1A1	Li Lin -The Physical Effects of Plasma Medicine on Cells: Radio Frequency Stendard Intercellular and Intercellular Mechanical Waves O' DIBI	Juan-Michal Possosle -The, so called blob, slime mold Physarum polycophalum as a new model for biological applications of atmospheric pressure non-thormal plasmas OS D2A1	PAUL MAGURES - Electron and hydroxyl radical interactions with liquids, biomolecules and cells: OS D2B1	Kai Masur-Standardization in Plusma Medicine: From DFN Spec to HIC exactlands OS D5A1	Nevena Paac -Plasma treatment of seeds and plant cells; role of	Soukaina Barroug - Optimizing Plasma Functionalized Liquids for Control of Microbiological Biols Associated with Poultry Processing Chain OS D4A1	Torson Gesling -Development, qualification and preliminary cartification of a dontal plasma device for a multicorner clinical study. OS D480		
Valeria Veronico -The active role of the liquid in the formation or long-lived RONS in Flaema Toward Water Schristed 2 DIA1	Ostaldo Daniel Continue -Healing of toppid aloves treated with atmospheric cold sir plasma jet: preliminary results OS D180 of	Aleksandra Lavelkova -Bacteria inactivation pathways induced by cold atmosphesic plasma O6 D2A1	Mátio Janda -The role of HNO2 in the generation of plasma activated water by transient spate discharge. 12 D2BI	Albert Espona-Noguera - Dual action of RONS/Biomolecule-loaded Hydrogele: Killing Cancer Gills and Enhancing Stem Gills Viability O6 D3A1	embryos in non-permissive conditions. II D381	Maxime Sahan-Bapid viral inactivation by cold atmospheric plasma offering great opportunities to decontaminate materials in hospital confronments: Of D4A1	Hinoki Kujiyama -The aqueous plasma therapy for ovarian cancer -Aiming for controlling disseminated perionneal metastasis- 12 D4BI	General assembly, awards commony + Room	lectures and announcement of ICPMI0 Progress d. Marroo Gherardi, Prof. Eun-Ha Choi
long-lived RONS in Plasma Treated Water Solutional 2 DIA1	Augusto Stanzampiano - In-vivo safety assessment for fractioned and continuous direct plasma treatments O9 D181	Niehtha Guar -Methods to enhance the anti-microbial effects of an angon plasma jet O7 D2A1	activated water by transient spark discharge 12 D2B1	Abraham Lin -Investigating Non-Thomal Plasma-Resistant Molecular Pathways through Development and Interrogation of a Resistant Melanoma Gel Line O7 D3A1	Social Chaple -The effects of Cold Plasma treatment on physicochemical and rheological modification of hydrocolloids. Of D3BI	Plotin Biles -The influence of chemical and physical parameters on plasma dition antihiotic degradation. OT DIA1	D4BI	Seesen Chair Proc. Gerri Arosses; Pi	r. Matteo Couracia, Pest. Eun-Ha Cites
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Stephan Reuter -Plasma Tailoring for Pathogen Inactivation II DAA2	Device with Haman Skin Gifls O1 D1B2  Benjamin Hants -Tailoning reactive oxygon species production in pulsed	Acid based microenous by Cold Asmosphoric Pressure Plasma OI D2A2  Allan Pavy -Remodeling of cholongiocassinoma microenvironment by	species displaying activity on bacterial cell mombanes. OI D2R2  Thomas Thompson -Companion of the antimicrobial activity of three Cold Plasma jets against 5. sanus: O2 D2R2	Afternoo	n excursion	earliess for low cost microfluide devices. OI D4A3  Kristina Lachmans -lowestigations on DBD treated PVC folk to reduce	influenced by the COST-Jet with an NO-rich gas admissrate in a simple biological model: OI D4B3 Obvier van Rooij -Electron Density Mussarements using Stark		
Zdanko Machala -Cold plasma/phonocaultysis decogramination of FF1	Ha+H2O plannas through Pales Republicon Rass O2 D182	cold atmospheric plasma through in vitro approach O2 D2A2	Nagonira Kumar Kasebik - NONTHERMAL BIOCOMPATIBLE: DE ASMA DOR DAMENGAMORIE ATTON SONDREY WITH	-		the migration of plasticisers in blood bags O2 D4A5	Personance of Spiceral Hydrogos Lines in Plasma-Acideand-Water O2 D483  Stellin Schittler-Hydrogon persoids production in purer month by a		
Zdonbo Machala -Cold plasma/phonocatalysis decontamination of FFI eospirators and indoor air contaminates O1 D1A2  Pasquila Isabelli -Cold Plasma Systems to radace airbome transmission	James Walsh -Influence of external factors on plasma jet dynamics II DIB2	Martio Cheradi -Control exangies for autospheric pressur PECVD OS D2A2  Bearine Ofasireola -Doposision of Anthéonic Layers cano Implant	NANOMATIBEALS, AND CORONA VIRUS INACTIVATION OS D282 [ulu Suner-Noethernal Plasma as an Amininal and Immunomodulatory	-		Alexander Robson - Plasma Polymericad Coatings to Provour COVID-19 Fomits Transmission OS DAAS  Anjar Angganini Haramningyus - Polysther other kanna (PEEK)	Steffen Schiftler-Hydrogen permitte production in water treated by a capillary plasma jet. OS D4BS  Camelia Miron-Physiochemical Investigation of Plasma Activated		
Hospital Acquired Infectious & COVID-19 O2 D1A2  Gabriele Normi -Steelkanion of deposable devices performed by indir	net Frantisk Krima-Diagnostics of Delectric Bursier Docharge Based Floran Dee for Skin Transment OJ D/RE	Surfaces using Low Temperature Plasma O4 D2A2  Media Boolina - Plasma tround nanostructured TiO2 surface for vascular	Agent Effective Against HSV-1 Infection: O4 D282  Ross Duncan -Cold plasma neutrinest of macrophages and biofilms affices their			functionalization by SCEO3 for lumbar interbody fusion cage: O4 DAA3  Lucie Blabova -Bole of Glycocalys in Cell Adhesion on Flasma Polymer	Liquids Organically Engineered by Cold Antroophesic Pressure Plasma fo Cancer Treatment: O4 D4833 Abanad Hamilan -Streamer propagation at water surface: influence of gap		
plasma treatment O3 D1A2  Ana Saina-Gancia - Atmospheric Provine Cold Plasma for Mark	Plasma Pen for Skin Transmost O3 D1B2  Katayoon Halian Rasnasi - Electrical and optical investigation of the long	stores applications OS D2A2  Hamed Mahdikia -MENo Surface Modification for Drug Delivery	interaction with free artibiotics and liposomes. OS D2B2  Jordanne-Amee Maybin -Cold atmospheric pressure plasma as a method.			Coand Surfaces O5 D43.5  Bornard Nicol -Organic virusidal coatings based on an atmospheric	distance and quantification of injected charge. O5 D4R3  Tomorphis Munkami - Numerical modeling of the plasma-activated.		
Disinfection O4 D1A2  Toronn Geding -Development of a mobile survey device to trace to, traumout conditions for various multical plasma devices O5 D1A2	teem operation of an endoscopic plasma device O4 DHI2  Shinya Kumagai -Analysis of cell isradiated with non-thermal atmosphesic possuan plasma for effective gone transfer O5 DHI2.	Applications Using Low-Pressure Plasma O6 DZA2  Formado Alho-Elito-Amé-élecion contegy on medical modific using annosphoric-pressure plasma-polymorization O7 DZA2	to improve efficacy of artifición against hieflar-forming Pseudomonas aerugiona. Os D202.  Masufami Iso-Growth Estanocement of Fibroblast Calls Using Quantitivaly Controlled Ninis-oxide Radicals. O7 D202.			plasma deposition process O6 D4A3  Sobal Zaidi-Ruccotal Inactivation by using a DBD Plasma Sheet  Generator O7 D4A3	themony of air-saturated salms olation OG D483.  Anna Dzimitovnicz «Continuous flow plasma brash as an effective tool for degradation of drags from liquid deposals OT D483.		
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Legend
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Plasma source diversification information provides annual studes.

Plasma surface interaction.

	SUNDAY, 26/6	MOND	AY, 27/6	
08:00	·	Opening ceremony Room Progress		
08:15		Session Chair: Prof. Gerrit Kroesen; Prof. Matteo Gherardi, Prof. Eun-Ha Choi		
08:30		Cristina Canal - Lessons learnt in plasma-treated liquid therapies for bone cancer: opportunities for plasma medicine PI Room Progress		
08:45				
09:15		Defeator	and basels	09:00 09:15
09:30		Refreshment break (30 min)		
		1st Cost Annual Meeting Room Mission 1	Room Mission 2	
09:45		Hiromasa Tanaka -Molecular mechanisms of cell death by plasma- activated solutions in glioblastoma cells II DIAI	Eline Biscop -Elucidating Non-Thermal Plasma-induced Cell Death Mechanisms for Direct and Indirect Treatment Conditions OI DIB1	09:45
10:00		•	Ita Junkar -Gaseous plasma treatment of vascular stents - a powerful tool for new generation vascular stents O2 D1B1	10:00
10:15		Sander Bekeschus -Medical gas plasma augments bladder cancer cell toxicity and immunogenicity in preclinical models and patient-derived tumor tissues O1 D1A1	Vandana Miller -Plasma immunomodulation: secondary and tertiary effects O3 D1B1	10:15
10:30		Francesco Tampieri -Biocompatible Composite Hydrogels for Storage and Delivery of Plasma-Generated Reactive Species O2 D1A1	Johanna Striesow -Formation of lipid peroxidation products by gas plasmas - translation from the liposome model to human platelets O4 D1B1	10:30
10:45		Lukes Petr -Chemistry and cytotoxic properties of amino acids modified by He/O2 plasma in saline solutions O3 D1A1	Tomoyuki MURAKAMI -Numerical modeling of the cell fate decision and the innate immunity influenced by cold atmospheric plasmas O5 D1B1	10:45
11:00		Andjelija Petrovic -Optimization of a DBD plasma jet in contact with liquids for application in biomedicine O4 D1A1	Masur -Plasma modulation of human progenitor cells O6 D1B1	11:00
11:15		Parisa Shali -Plasma directly generated in liquids as an innovative method to treat cancerO5 D1A1	Li Lin -The Physical Effects of Plasma Medicine on Cells: Radio Frequency Stimulated Intercellular and Intracellular Mechanical Waves O7 D1B1	11:15
11:30		Valeria Veronico -The active role of the liquid in the formation of long-	Osvaldo Daniel Cortázar -Healing of torpid ulcers treated with atmospheric cold air plasma jet: preliminary results O8 D1B1	11:30
11:45		lived RONS in Plasma Treated Water Solutions12 D1A1	Augusto Stancampiano -In-vivo safety assessment for fractioned and continuous direct plasma treatments O9 D1B1	11:45
12:00 12:15		Lunch	s brook	12:00 12:15 12:30
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14:00		Poster	session	
14:15				14:15
14:30			WG41 meeting of International standard IEC60601-2-91; Plasma wound treatment Mission 2	14:30
15:00 15:15				15:00 15:15
15:30 15:45		Refreshm	L uent break min)	15:30 15:45
13.43		1st Cost Annual Meeting Room Mission 1	1st Cost Annual Meeting Room Mission 2	23.43
16:00		Stephan Reuter-Plasma Tailoring for Pathogen Inactivation II DIA2	Susana Sério -Interaction of a Cold Atmospheric Argon Plasma Jet Device with Human Skin Cells O1 D1B2	16:00
16:15	Registration	Oction acuter - Flashia Famoring for Fathogen inactivation II DIA2	Benjamin Harris -Tailoring reactive oxygen species production in pulsed He+H2O plasmas through Pulse Repetition Rate O2 D1B2	16:15
16:30		Zdenko Machala -Cold plasma/photocatalysis decontamination of FFP2 respirators and indoor air contaminants O1 D1A2	James Walsh -Influence of external factors on plasma jet dynamics I1 D1B2	16:30
16:45		Pasquale Isabelli -Cold Plasma Systems to reduce airborne transmission of Hospital Acquired Infectious & COVID-19 O2 D1A2	, and the second of parameter dynamics is Dide	16:45
17:00		Gabriele Neretti -Sterilization of disposable devices performed by indirect plasma treatment O3 D1A2	František Krėma - Diagnostics of Dielectric Barrier Discharge Based Plasma Pen for Skin Treatment O3 D1B2	17:00
17:15	Walcomoti:	Ana Sainz-García -Atmospheric Pressure Cold Plasma for Mask Disinfection O4 D1A2	Katayoon Hadian Rasnani -Electrical and optical investigation of the long term operation of an endoscopic plasma device O4 D1B2	17:15
17:30	Welcome reception Jaarbeurs, 1st floor, Supernova space	Torsten Gerling -Development of a mobile sensory device to trace treatment conditions for various medical plasma devices O5 D1A2	Shinya Kumagai -Analysis of cell irradiated with non-thermal atmospheric pressure plasma for effective gene transfer O5 D1B2	17:30
17:45 18:00			·	17:45 18:00
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Fundamentals of atmospheric plasmas

Plasma for pharmaceutical applications, biochemical and biomolecular engineering Plasma liquid interactions, plasma activated liquid: Plasma medical applications - clinical and animal studies

Plasma-based decontamination and sterilization

Plasma-cell and plasma-tissue interactions -biological and biochemical reactions

Plasma-surface interactions/modifications for biomedical applications

	TUESD	AY, 28/6	
08:00		,,	08:00
08:15			08:15
08:30	Peter Bruggeman -Plasma Regulated Biology: A Pathy		08:30
08:45	Room I	Progress	08:45
09:00			09:00
09:15	Refreshm	ent break	09:15
09:30	(30 min)		
	1st Cost Annual Meeting	Room Mission 2	
	Room Mission 1		
09:45	Utku Kürşat Ercan -Determination of Antimicrobial Strength of Cold Atmospheric Plasma Activated Water by Colorimetric and Electrochemical Methods O1 D2A1	Konstantin Kostov -Development of Remote Atmospheric Plasma Jets for	09:45
10:00	Romolo Laurita -On the use of cold atmospheric pressure plasmas and plasma activated water for food processing O2 D2A1	Biomedical Applications I1 D2B1	10:00
10:15		Eun Ha Choi -Calculation of O3 and O density containing humidity generated from nonthermal atmospheric plasma. O1 D2B1	10:15
10:30	- Yury Gorbanev - Plasma-Liquid Interactions: The role of liquid II D2A1	Julien Bissonnette-Dulude -Coupling of microfluidic devices with reference cold plasma jet O2 D2B1	10:30
10:45	Ana Megia -Plasma Activated Water (PAW) Against Virus and Multidrug Resistant Bacteria: characterization and in vitro experiments O3 D2A1	Sebastian Burhenn -Impact of humidity on the OH distribution in the effluent of the COST-jet measured by laser induced fluorescence O3 D2B1	10:45
11:00	Olivera Jovanović -Plasma pin-jet for treatment of water: production of reactive species in distilled and tap water O4 D2A1	Andra-Cristina Bostanaru-Mycobactericidal Efficacy of Non-Thermal Plasma Activated Water O4 D2B1	11:00
11:15	Jean-Michel Pouvesle -The, so-called blob, slime mold Physarum polycephalum as a new model for biological applications of atmospheric pressure non-thermal plasmas O5 D2A1	PAUL MAGUIRE -Electron and hydroxyl radical interactions with liquids, biomolecules and cells O5 D2B1	11:15
11:30	Aleksandra Lavrikova -Bacteria inactivation pathways induced by cold atmospheric plasma O6 D2A1	Mário Janda -The role of HNO2 in the generation of plasma activated	
11:45	Nishtha Gaur - Methods to enhance the anti-microbial effects of an argon plasma jet O7 D2A1	water by transient spark discharge 12 D2B1	11:45
12:00 12:15 12:30 12:45 13:00	Lunch break (1h 30 min)	ISPM Board of Director meeting Quest Room	12:00 12:15 12:30 12:45
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13:30 13:45 14:00 14:15 14:30 14:45 15:05 15:15 15:30 15:45	Refreshm (30  1st Cost Annual Meeting Room Mission 1  Aysegul UYGUN OKSUZ - Anticancer Drug Release from Hyaluranic Acid based micromotors by Cold Atmospheric Pressure Plasma O1 D2A2  Allan Pavy - Remodeling of cholangiocarcinoma microenvironment by cold	WIPM, Women in Plasma Medicine Room Mission 1 Session Chair: Prof. Vandana Miller  ent break min)  Room Mission 2  Joseph Lorent-Spatial distribution of cold atmospheric plasma reactive species displaying activity on bacterial cell membranes. OI D2B2  Thomas Thompson -Comparison of the antimicrobial activity of three Cold	13:00 13:15 13:30 13:45 14:00 14:15 14:30 14:45 15:00 15:15 15:30 15:45
13:30 13:45 14:00 14:15 14:30 14:45 15:00 15:15 15:30 15:45	Refreshm (30  1st Cost Annual Meeting Room Mission 1  Aysegul UYGUN OKSUZ - Anticancer Drug Release from Hyaluranic Acid based micromotors by Cold Atmospheric Pressure Plasma O1 D2A2  Allan Pavy - Remodeling of cholangiocarcinoma microenvironment by cold atmospheric plasma through in vitro approach O2 D2A2  Matteo Gherardi - Control strategies for atmospheric pressure PECVD O3	WIPM, Women in Plasma Medicine Room Mission 1 Session Chair: Prof. Vandana Miller  ent break min)  Room Mission 2  Joseph Lorent -Spatial distribution of cold atmospheric plasma reactive species displaying activity on bacterial cell membranes O1 D2B2  Thomas Thompson -Comparison of the antimicrobial activity of three Cold Plasma jets against S. aureus O2 D2B2  Nagendra Kumar Kaushik -NONTHERMAL BIOCOMPATIBLE PLASMA FOR IMMUNO-MODULATION, SYNERGY WITH NANOMATERIALS,	13:00 13:15 13:30 13:45 14:00 14:15 14:30 14:45 15:05 15:15 15:30 15:45 16:00
13:30 13:45 14:00 14:15 14:30 14:45 15:00 15:15 15:30 15:45	Refreshm (30  1st Cost Annual Meeting Room Mission 1  Aysegul UYGUN OKSUZ - Anticancer Drug Release from Hyaluranic Acid based micromotors by Cold Atmospheric Pressure Plasma O1 D2A2  Allan Pavy - Remodeling of cholangiocarcinoma microenvironment by cold atmospheric plasma through in vitro approach O2 D2A2  Matteo Gherardi - Control strategies for atmospheric pressure PECVD O3 D2A2  Beatrice Olaywola - Deposition of Antibiotic Layers onto Implant Surfaces	WIPM, Women in Plasma Medicine Room Mission 1 Session Chair: Prof. Vandana Miller  ent break min)  Room Mission 2  Joseph Lorent-Spatial distribution of cold atmospheric plasma reactive species displaying activity on bacterial cell membranes O1 D2B2  Thomas Thompson -Comparison of the antimicrobial activity of three Cold Plasma jets against S. aureus O2 D2B2  Nagendra Kumar Kaushik -NONTHERMAL BIOCOMPATIBLE PLASMA FOR IMMUNO-MODULATION, SYNERGY WITH NANOMATERIALS, AND CORONA VIRUS INACTIVATION O3 D2B2  Julia Sutter-Nonthermal Plasma as an Antiviral and Immunomodulatory Agent	13:00 13:15 13:30 13:45 14:00 14:15 14:30 15:50 16:00 16:15
13:30 13:45 14:00 14:15 14:30 14:45 15:00 15:15 15:15 15:30 16:45 16:30	Refreshm (30  1st Cost Annual Meeting Room Mission 1  Aysegul UYGUN OKSUZ - Anticancer Drug Release from Hyaluranic Acid based micromotors by Cold Atmospheric Pressure Plasma O1 D2A2  Allan Pavy - Remodeling of cholangiocarcinoma microenvironment by cold atmospheric plasma through in vitro approach O2 D2A2  Matteo Gherardi - Control strategies for atmospheric pressure PECVD O3 D2A2  Beatrice Olaywola - Deposition of Antibiotic Layers onto Implant Surfaces using Low Temperature Plasma O4 D2A2  Metka Benĉina - Plasma treated nanostructured TiO2 surface for vascular stents	WIPM, Women in Plasma Medicine Room Mission 1 Session Chair: Prof. Vandana Miller  ent break min)  Room Mission 2  Joseph Lorent -Spatial distribution of cold atmospheric plasma reactive species displaying activity on bacterial cell membranes O1 D2B2  Thomas Thompson -Comparison of the antimicrobial activity of three Cold Plasma jets against S. aureus O2 D2B2  Nagendra Kumar Kaushik: -NONTHERMAL BIOCOMPATIBLE PLASMA FOR IMMUNO-MODULATION, SYNERGY WITH NANOMATERIALS, AND COMONA VIRUS INACTIVATION O3 D2B2  Julia Sutter -Nonthermal Plasma as an Antiviral and Immunomodulatory Agent Effective Against HSV-1 Infection O4 D2B2  Ross Duncan -Cold plasma treatment of macrophages and biofilms affects their	13:00 13:15 13:15 13:15 13:45 14:00 14:15 14:30 14:45 15:00 15:15
13:30 13:45 14:00 14:15 14:30 14:30 14:45 15:00 15:15 15:15 15:30 16:00 16:15 16:30	Refreshm (30  1st Cost Annual Meeting Room Mission 1  Aysegul UYGUN OKSUZ - Anticancer Drug Release from Hyaluranic Acid based micromotors by Cold Atmospheric Pressure Plasma O1 D2A2  Allan Pavy - Remodeling of cholangiocarcinoma microenvironment by cold atmospheric plasma through in vitro approach O2 D2A2  Matteo Gherardi - Control strategies for atmospheric pressure PECVD O3 D2A2  Beatrice Olayiwola - Deposition of Antibiotic Layers onto Implant Surfaces using Low Temperature Plasma O4 D2A2  Metka Benĉina - Plasma treated nanostructured TiO2 surface for vascular stents applications O5 D2A2  Hamed Mabdikia - MENS Surface Modification for Drug Delivery Applications	WIPM, Women in Plasma Medicine Room Mission 1 Session Chair: Prof. Vandana Miller  The Mission 2  Joseph Lorent -Spatial distribution of cold atmospheric plasma reactive species displaying activity on bacterial cell membranes. O1 D2B2  Thomas Thompson -Comparison of the antimicrobial activity of three Cold Plasma jets against S. aureus. O2 D2B2  Thomas Thompson -Comparison of the antimicrobial activity of three Cold Plasma jets against S. aureus. O2 D2B2  Nagendra Kumar Kaushik -NONTHERMAL BIOCOMPATIBLE PLASMA FOR IMMUNO-MODULATION, SYNERGY WITHINANOMATERIALS, AND CORONA VIRUS INACTIVATION. O3 D2B2  Julia Sutter -Nonthermal Plasma as an Antiviral and Immunomodulatory Agent Effective Against HSV-1 Infection. O4 D2B2  Ross Duncan -Cold plasma treatment of macrophages and biofilms affects their interaction with free antibiotics and liposomes. O5 D2B2  Jordanne-Amee Maybin -Cold atmospheric pressure plasma as a method to improve efficacy of antibiotics against biofilm-forming Pseudomonas	13:00 13:15 13:15 13:15 13:45 14:00 14:15 14:30 14:45 15:00 15:15 15 15 15 15 15 15 15 15 15 15 15 15

Fundamentals of atmospheric plasmas

Plasma for pharmaceutical applications,

biochemical and biomolecular engineering

Plasma liquid interactions, plasma activated liquids

Plasma medical applications - clinical and animal studies

Plasma sources for biomedical application

Plasma-based decontamination and sterilization

Plasma-cell and plasma-tissue interactions -biological and biochemical reactions

Plasma-surface interactions/modifications for biomedical applications

	WEDNES	DAY, 29/6		
08:00			08:00	
08:15				
08:30	Katharina Stapelmann -Plasma and Plasma-Liquid Chemistry in the Presence of Organic Matter P3			
08:45	Room Progress			
09:00				
09:15	Refreshment break			
09:30		min)	09:30	
	1st Cost Annual Meeting Room Mission 1	Room Mission 2		
09:45	-1,0,11	Nicholas L Sponsel -Atmospheric Plasma Generated Nitrate Production and		
	Evelien Smits -The tumor immunologist's point of view on preclinical and	Optimization in a Water-sealed DBD Bubbler O1 D3B1	09:45	
10:00	clinical studies in the context of plasma oncology II D3A1	Natasa Hojnik -Atmospheric pressure plasma technology – a powerful tool against mycotoxin contamination of food O2 D3B1	10:00	
10:15	Augusto Stancampiano -Cold plasma and Electrochemotherapy: in vivo combined treatment O1 D3A1	Duncan Trosan -Characterization and Optimization of Complex Surface Dielectric Barrier Discharges for the Purpose of Food Decontamination O3 D3B1	10:15	
10:30	Thierry DUFOUR -Cold plasma endoscopy applied to cholangiocarcinoma: therapeutic study & feasibility study on porcine anatomical models O2 D3A1	Hemaditya Malla - Identifying Important Reactive Oxygen-Nitrogen Species in Sub-nanosecond Pulsed Discharges using Zero-dimensional Simulations O4 D3B1	10:30	
10:45	Maja Miletić -Does cold plasma pretreatment of beta-tricalcium phosphate together with periodontal ligament stem cells enhance bone regeneration in vivo?  O3 D3A1	Vasyl Shvalya -Plasma-made optical sensors for ppb level mycotoxins diagnostics O5 D3B1	10:45	
11:00	Sander Bekeschus -Repeated exposure of the oral mucosa over 12 months with cold plasma is not carcinogenic in mice O4 D3A1	Alexandra Waskow -Understanding the molecular mechanisms of non-thermal plasma treatments on Arabidopsis thaliana seeds O7 D3B1	11:00	
11:15	Kai Masur -Standardization in Plasma Medicine: From DIN Spec to IEC standards O5 D3A1	Nevena Puac -Plasma treatment of seeds and plant cells: role of reactive oxygen and nitrogen species in formation of plantlets and embryos in non-	11:15	
11:30	Albert Espona-Noguera -Dual action of RONS/Biomolecule-loaded Hydrogels: Killing Cancer Cells and Enhancing Stem Cells Viability O6 D3A1	permissive conditions II D3BI	11:30	
11:45	Abraham Lin -Investigating Non-Thermal Plasma-Resistant Molecular Pathways through Development and Interrogation of a Resistant Melanoma Cell Line O7 D3A1	Sonal Chaple -The effects of Cold Plasma treatment on physicochemical and rheological modification of hydrocolloids O6 D3B1	11:45	
12:00 12:15	Group	Photo	12:00 12:15	
12:30			12:30	
12:45 13:00	Lunch break (2h)		12:45 13:00	
13:15 13:30			13:15 13:30	
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15:15 15:30	Afternoon excursion		15:15 15:30	
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17:00			17:00	
17:15			17:15	

Fundamentals of atmospheric plasmas

Plasma for pharmaceutical applications, biochemical and biomolecular engineering

Plasma liquid interactions, plasma activated liquids
Plasma medical applications - clinical and animal
studies

# Plasma sources for biomedical applications

Plasma-based decontamination and sterilization

Plasma-cell and plasma-tissue interactions biological and biochemical reactions

Plasma-surface interactions/modifications for biomedical applications

	THURSE	DAY, 30/6	
08:00			08:00 08:15
08:15 08:30			
08:45	Yuzuru Ikchara -Understanding and uses the plasma effects as what interacts with the biomolecules having the electric charge P4  Room Progress		
09:00			
09:15	Refreshment break		09:15
09:30	(30 min)		09:30
	Room Mission 1	Room Mission 2	
09:45	Robin Mentheour -Antibacterial combination of cold plasma-activated water and pulsed electric fields. O1 D4A1	Ramona Clemen -Gas Plasma Technology Augments Ovalbumin Immunogenicity and OT-II T Cell Activation Conferring Tumor Protection	09:45
10:00	Anna Machková -Comparing the biocidal properties of non-thermal plasma sources with controlled treatment parameters by reference protocol O2 D4A1	in Mice II D4B1	10:00
10:15	Suresh Joshi -Plasma-Based Solution for Bacterial Inactivation: A Novel Approach 11 D4A1	Martin Weiss -Cell type-specific anti-adhesion properties of peritoneal cell treatment with plasma-activated media (PAM) O1 D4B1	10:15
10:30	T	Vikas Soni -In-Vitro and In-Vivo Treatment of Cancer Using Various Plasma Devices and Drugs O2 D4B1	10:30
10:45	Min Xie -Growth phase, short-living RONS and acidity govern cold atmospheric plasma (CAP) antibacterial membrane activity in suspension O3 D4A1	Utku Kürsat Ozean-Irrigation of Peritoneal Cavity with Cold Atmospheric Plasma Treated Solution Effectively Reduces Microbial Load in Rat Acute Peritonitis Model O3 D4B1	10:45
11:00	Courti Ibtissam -Impact of Bacterial Growth Phase on Liquid Decontamination Efficiency Using Atmospheric Pressure Plasma. O4 D4A1	Kristian Wende -Relevance and limitation of plasma-driven protein oxidation in model and clinical application O4 D4B1	11:00
11:15	Soukaina Barroug - Optimizing Plasma Functionalized Liquids for Control of Microbiological Risks Associated with Poultry Processing Chain O5 D4A1	Torsten Gerling -Development, qualification and preliminary certification of a dental plasma device for a multicenter clinical study O5 D4B1	11:15
11:30	Maxime Sahun -Rapid viral inactivation by cold atmospheric plasma offering great opportunities to decontaminate materials in hospital environments O6 D4A1	Hiroaki Kajiyama -The aqueous plasma therapy for ovarian cancer ~Aiming for controlling disseminated peritoneal metastasis~ 12 D4B1	11:30
11:45	Florin Bilea -The influence of chemical and physical parameters on plasma driven antibiotic degradation O7 D4A1	, , , , , , , , , , , , , , , , , , , ,	11:45 12:00
12:15 12:30	Lunch	break	12:15 12:30
12:45 13:00	(1h 30		12:45 13:00
13:15	Room Mission 1	Room Mission 2	13:15
13:30	Steffen Emmert -Clinical Plasma Medicine: From Routine Application in	Juliette Harley -Plasma activated liquid synergistically enhances response to radiation for improved cancer therapy. O1 D4B2	13:30
13:45	Wound Healing to New Applications in Dermatology I1 D4A2	Zahra Nasri -The impact of oxidative stress on the barrier properties of lipid bilayers O2 D4B2	13:45
14:00 14:15	Theresa Freeman - Developing Plasma based Therapies to combat Orthopaedic Infection - Update from R01 Tripartite (USA, NI, ROI) O1 D4A2  Mohammad Reza Khani - Fleashblity study of FEDBID "plasma effect on rat skin biometric parameters O2 D4A2	KYRIAKOS SKLIAS -The role of short- and long-lived reactive species on the anti-cancer action of plasma-activated liquids: in-vitro and in-vivo applications II D4B2	14:00 14:15
14:30	Sybille Hasse -Investigations on microbiome and proteome in chronic wound exudates under plasma and standard wound treatment O3 D4A2	Theresa Freeman -Cold Plasma Treatment Reduces Osteolytic Bone Resorption O3 D4B2	14:30
14:45	Vladimir Scholtz -The non-thermal plasma and its potential utilization in the treatment of onychomycosis O4 D4A2	Blaise Océane -Cold Atmospheric Plasma Promotes Killing of Staphylococcus aureus by Macrophages. O4 D4B2	14:45
15:00	Ivana Sremacki -Potentials of a plasma-aerosol system coupled with drug introduction for wound healing: in vitro study O5 D4A2	Evgeny Konchekov -Cold atmospheric plasma source based on a piezotransformer and its application in oncological research and plant nursery O5 D4B2	15:00
15:15 15:30	Eric Robert -Boost of cosmetic active ingredients penetration triggered and controlled by the delivery of non-thermal kHz plasma jet on human skin explants O6 D4A2  Refreshm	XIAOLIANG YAO -Cold Plasma Discharge Tube Enhances Anti-tumoral Efficacy of Temozolomide O6 D4B2	15:15 15:30
15:45	(30 r Room Mission 1		15:45
16:00	Scheltjens -Atmospheric plasma-(bio)functionalization of polymer surfaces for low cost microfluidic devices O1 D4A3	Maria Herrera Quesada -Combining EPR, Photometric Assays, Mass Spectrometry, and FTIR to explicate possible chemical pathways influenced by the COST-Jet with an NO-rich gas admixture in a simple biological model. OT D4B3	16:00
16:15	Kristina Lachmann -Investigations on DBD treated PVC foils to reduce the migration of plasticizers in blood bags O2 D4A3	Olivier van Rooij -Electron Density Measurements using Stark Broadening of Spectral Hydrogen Lines in Plasma-Activated-Water O2 D4B3	16:15
16:30	Alexander Robson -Plasma Polymerised Coatings to Prevent COVID-19 Fomite Transmission O3 D4A3	Steffen Schüttler -Hydrogen peroxide production in water treated by a capillary plasma jet O3 D4B3	16:30
16:45	Anjar Anggraini Harumningtyas -Polyether ether ketone (PEEK) functionalization by SrTiO3 for lumbar interbody fusion cage O4 D4A3	Camelia Miron -Physicochemical Investigation of Plasma Activated Liquids Organically Engineered by Cold Atmospheric Pressure Plasma for Cancer Treatment O4 D4B3	16:45
17:00	Lucie Blahova -Role of Glycocalyx in Cell Adhesion on Plasma Polymer Coated Surfaces O5 D4A3	Ahmad Hamdan -Streamer propagation at water surface: influence of gap distance and quantification of injected charge. O5 D4B3	17:00
17:15	Bernard Nisol -Organic virucidal coatings based on an atmospheric plasma deposition process O6 D4A3	Tomoyuki Murakami -Numerical modeling of the plasma-activated chemistry of air- saturated saline solution O6 D4B3	17:15
17:30			17:30
17:30 17:45 18:00 18:15 18:30	deposition process O6 D4A3  Sohail Zaidi -Bacterial Inactivation by using a DBD Plasma Sheet Generator O7	saturated saline solution O6 D4B3  Anna Dzimitrowicz - Continuous flow plasma brush as an effective tool for degradation of drugs	17:30 17:45 18:00 18:15 18:30
17:30 17:45 18:00 18:15	deposition process O6 D4A3  Sohail Zaidi -Bacterial Inactivation by using a DBD Plasma Sheet Generator O7	saturated saline solution O6 D4R3  Anna Dzimitrowicz -Continuous flow plasma brush as an effective tool for degratation of drugs from liquid disposals O7 D4B3	17:30 17:45 18:00 18:15

# Legend Plemary Fundamentals of atmospheric plasmas Plasma agricultural applications Plasma for pharmaceutical applications, biochemical and biomolecular engineering Plasma liquid interactions, plasma activated liquids Plasma medical applications - clinical and animal studies Plasma sources for biomedical applications Plasma-based decontamination and sterilization Plasma-cell and plasma-tissue interactions - biological and biochemical reactions Plasma-surface interactions/modifications for biomedical applications Regulatory issues in plasma medicine

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08:00	PAIDAT, 1/7		08:00
08:15			
08:30	1.65 P. rodow Bloom delicated in the House and association DE		
08:45	Julia Bandow -Plasma-driven biocatalysis: challenges and opportunities P5 Room Progress		
09:00			
09:15	Refreshment break		
09:30	(30 min)		09:30
	Room Mission 1	Room Mission 2	
09:45	Lea Michach -Conductivity augments ROS and RNS delivery and tumor toxicity of an argon plasma jet 11 D5A	Sarah-Johanna Klose -Formation of H2O2 in a cold atmospheric pressure plasma jet O1 D5B	09:45
10:00	, , ,	Dr Nirupama Tiwari - Understanding Nitrate, Nitrite and Peroxide Radical Generation through Interaction of Cold Plasma with Water Study Using a Special 13.56 MHz Cold Plasma Device O2 D5B	10:00
10:15	Bruce Locke -Development of a Formic Acid Degrader Cell for Coupling of Gas-Liquid Plasma Chemical Reactors with Enhanced Bioreactors O1 D5A	Pablo Escot-Bocanegra - Cold Plasma in Zero Gravity and Reduced Pressure Conditions for Disinfection and Decontamination in Spacecraft and Aerospace Environments O3 D5B	10:15
10:30	Hanne Verswyvel -Elucidating the Immunogenicity of Non-Thermal Plasma Combination Therapy in a 3D Tumour Model of Head and Neck Squamous Cell Carcinoma O2 D5A	Andrew Gibson -Control of plasma-chemical processes in atmospheric	10:30
10:45	Ruben Verloy -Triple co-culture spheroid model of pancreatic cancer for plasma research O3 D5A	pressure plasmas for life science-related applications II D5B	10:45
11:00			11:00
11:15			
11:30	General assembly, awards ceremony + Room F Session Chair: Prof. Gerrit Kroesen; Pro	Progress	11:30
11:45	Coston Committee and Control and Control	a canno decama, non san in dio	11:45
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Fundamentals of atmospheric plasmas

Plasma for pharmaceutical applications, biochemical and biomolecular engineering

Plasma liquid interactions, plasma activated liquids
Plasma medical applications - clinical and animal studies

# Plasma sources for biomedical applic

Plasma-based decontamination and sterilization

Plasma-cell and plasma-tissue interactions -biological and biochemical reactions

Plasma-surface interactions/modifications for biomedical applications

# Poster session MONDAY 27-6-2022

- P1 1 Anthony Cordero: Characterization of non-thermal plasma jet kINPen® IND by Optical Emission Spectroscopy
- P1 2 Esin Eren: Atmospheric Pressure Plasma Treatment using Machine Learning Models for Biomedical Applications
- P1 3 Felix Matthias Fuchs: In vitro analysis of the efficacy of an atmospheric dielectric barrier discharge on hidradenitis suppurativa (acne inversa) associated bacteria
- P1 4 Maria C. Garcia: Optical Emission Spectroscopy Diagnosis of Helium Cold Atmospheric Plasmas
- P1 5 Mahreen Khan: Use of low-frequency pulse modulation for control of RF atmospheric pressure helium plasma jet
- P1 6 Ju-Sung Kim: A study on the characteristics of atmospheric pressure argon-hydrogen plasma jets with changes in hydrogen fraction.
- P1 7 Sohail Mumtaz: Effect of plasma on/off time on the generation of reactive species with fixed duty ratio
- P1 8 SHAIK ABDUL MUNNAF: The redox-adsorption of Arsenic (III) removal with MnOFe2O3 through the non-thermal plasma atmospheric plasma jet.
- P1 9 Niklas Nawrath: Influence of nitrogen, oxygen and water admixture on chemical modifications of cysteine by a dielectric barrier discharge
- P1 10 Luise Semmler: Assessment of How Modulation of Treatment Time Effects the Outcome of Cold Plasma Treatment in Different Cell Types and Cell States
- P1 11 Ainur Akildinova: Investigation of atmospheric pressure cold plasma treatment of wheat seeds
- P1 12 Lyes BENTERROUCHE: Improvement of Corn Seed Growth Yield by Plasma Activated Tap Water Irrigation
- P1 13 Hiroshi Hashizume: Effectiveness of Plasma Treatment for Various Rice Cultivation
- P1 14 Yoshihisa Ikeda: Mechanism of molecular introduction into plant callus by plasma treatment
- P1 15 Rida Javed: Plasma agriculture applications
- P1 16 Cristina Muja: Low pressure plasma as a tool in crop molds and mycotoxins management
- P1 17 Zuzana Okruhlicová: Effects of plasma activated water on germination and growth of maize
- P1 18 Lokeswari Ramireddy: AgriPlasma Non-thermal air plasma treatment of multispecies swards seeds for reduction of greenhouse gas emissions
- P1 19 Jinjie He: Plasma-activated Water Disinfection of Escherichia coli O157:H7 on Spinach, Kale and Lettuce
- P1 20 Anna Machková: Effect of cold plasma treatment on germination and early growth of leguminous plants
- P1 21 Rodrigo Pessoa: Application of a gliding arc plasma jet in lentil seeds (Lens Culinaris) aiming at improving the water uptake and germination processes
- P1 22 Rodrigo Pessoa: Evaluation of the antifungal effect of different plasma compositions on Penicillium strains isolated from onion seeds
- P1 23 Nina Recek: Improved germination and yield of corn seeds after treatment with low-pressure oxygen plasma in an industrial reactor
- P1 24 Conner Robinson: Harnessing Atmospheric Low Temperature Plasmas Reactive Oxygen-Nitrogen Species for On-Demand Fertilizer Production
- P1 25 Rik Verschueren: Plasma Functionalization and Encapsulation of Particles
- P1 26 Tirtha Raj Acharya: Comparative study of antimicrobial activity of chemically and plasma-synthesized silver nanoparticles
- P1 27 Mohsen Ahmadi: Potential of Cold Physical Plasma in Prodrug Activation
- P1 28 Daniela Boehm: The role of bacterial growth phase in determining the susceptibility to inactivation by plasma activated liquids
- P1 29 Tim Dirks: Immobilization protects enzymes from inactivation in plasma-driven biocatalysis
- P1 30 Mostafa Elsayed Hassan: Transport of Gaseous Species H2O2, HNO2, NO2, NO, and O3 into Water Microdroplets
- P1 31 Nourhan Hendawy: An Experimental Study and a Numerical Modelling of Microdroplets Charged in a Helium Atmospheric Pressure Plasma Jet
- P1 32 Kinga Kutasi: RONS enriched alginate hydrosols and hydrogels
- P1 33 Pradeep Lamichhane: Non-thermal Argon Plasma Jets of Various Lengths for Methyl Blue Degradation
- P1 34 Beatriz Pinheiro Lopes: Combined effect of Plasma Activated Water and Topotecan on cell growth and cell survival in glioblastoma cells
- P1 35 Laura Mc Clenaghan: Investigating the antimicrobial efficacy of plasma activated water against food pathogens and spoilage organisms
- P1 36 Manorma Negi: Plasma Treated liquids for immunomodulation
- P1 37 Rodrigo Pessoa: Physicochemical and UV-Vis analysis of different types of plasma-activated water
- P1 38 amaury Rouillard: Continuously Plasma Treated Water Spray for Medical and Cosmetic Applications
- P1 39 Calum Thomas Ryan: Particle Image Velocimetry for Plasma-Fluid Interactions
- P1 40 Orla Nic Shiurdain: Optimising Plasma functionalised liquids for the prevention and control of device associated and invasive infections
- P1 41 Fernando Alba-Elías: Long-term antimicrobial effect of plasma activated water generated with two different plasma-water interactions
- P1 42 KYRIAKOS SKLIAS: The role of short- and long-lived reactive species on the anti-cancer action of plasma-activated liquids: in-vitro and in-vivo applications
- P1 43 Ross Fladeland: Exposure to helium gas discharge tube results in blood brain barrier disruption
- P1 44 Mohammad Reza Khani: Feasibility study of FEDBD ¬plasma effect on rat skin biometric parameters
- P1 45 Mohammad Reza Khani: Effect of spark plasma on accelerating the wound healing process
- P1 46 Kenjirou Onishi: A simple method for establishing cells with higher safety for gene therapy by using surface discharge.
- P1 47 Thoralf Bernhardt: Evaluation of Methods for Standardized Testing of Cytotoxicity and Genotoxicity of Cold Plasma Sources for Medical Use
- P1 48 Ramona Clemen: Defective wound healing and antimicrobial drug resistance a target for gas plasma therapy?
- P1 49 Mestre Eloïse: Electrical characterization of an argon/CO2 and helium/CO2 plasma jet for wound healing
- P1 50 Bhagirath Ghimire: Characteristics of helium plasma jet operated by shielded and unshielded high voltage electrode
- P1 51 Eliška Lokajová: Portable Plasma Sources for Biomedical Applications Based on Cometary and Point-to-Ring Corona Discharges
- P1 52 Bhagirath Ghimire: A conical multi-jet plasma device for biomedical applications

# Poster session TUESDAY 28-6-2022

- P2 1 Rita Agus: Investigation of plasma activated water inactivation mechanisms of Escherichia coli through single-cell microfluidic experiments
- P2 2 Pradeep Bhartiya: Utilization of Nonthermal Plasma Generated Ozone for Inactivation of Human Coronavirus 229E
- P2 3 Filippo Capelli: Plasma assisted decontamination of food packaging material
- P2 4 Utku Kürsat Ercan: Utilization of a Machine Learning Method for the Prediction of Antimicrobial Activity of Cold Atmospheric Plasma-Activated Liquids
- P2 5 karol hensel: Effects of cold plasma generated by transient spark discharge on proteins and amino acids in water solutions
- P2 6 Carmen Kirner: Viability of commercially available non-thermal atmospheric pressure plasma (APP) sources for decontamination of polypropylene surfaces
- P2 7 Emilio Martines: On the Occurrence of Resistance to Helium Plasma Treatment in Bacteria
- P2 8 Martina Modic: Investigating the Mechanisms of Plasma Activated Water Deactivation of Medically Important Biofilms
- P2 9 Erika Muratov: Analysis of biofilm inactivation mechanisms under cold plasma treatment
- P2 10 Inna Orel: Gram-negative and gram-positive bacteria disinfection by cold atmospheric plasma using an in vitro agar plate model of a chronic wound
- P2 11 Soundharrajan P: "An in-vitro analysis to evaluate the disinfection effectiveness of Cold Atmospheric Pressure Plasma Jet in Enterococcus Faecalis infected root canals"
- P2 12 Jovana Petkovic: Are bubbles efficient in the production of plasma-treated water?
- P2 13 Alexander Rabinovich: Inactivation of Escherichia coli O157:H7 on Spinach, Kale, Lettuce, and Strawberry Using Plasma-activated Mist
- P2 14 Stephan Reuter: Plasma Tailoring for Pathogen Inactivation
- P2 15 Roopesh Mohandas Syamaladevi: Inactivation mechanisms of Listeria monocytogenes during in-package atmospheric cold plasma treatment and post-treatment storage
- P2 16 Kristína Trebulová: Impact of cold plasma treatment on the yeast candida glabrata
- P2 17 Darina Truchlá: Cold air plasma of streamer corona discharge for decontamination and wound healing
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