

Programs for Tutorial Session

TIME	June 23 (Sun.)
	Basement Lecture Room in PIBE Building
09:00-09:50	“Plasma Agronomy” - Prof. Gyung Soon Park
09:50-10:40	“Atmospheric plasma jets for biological applications: from single jets to multi jets arrays” - Prof. Jean-Michel Pouvesle
10:40-11:00	Coffee Break
11:00-11:50	“Numerical Simulation of Plasma –Liquid Interaction” - Prof. Satoshi Hamaguchi
11:50-12:40	“Role of redox biology in cancer cell destruction” - Prof. Pankaj Attri
12:40-13:50	Lunch
	BALLROOM Barduda
13:50-14:50	“Plasma standardization on CAP sources” - Prof. Klaus-Dieter Weltmann
14:50-15:40	“Plasma and RONS characteristics for nonthermal atmospheric pressure plasma” - Prof. Eun Ha Choi
15:40-16:00	Coffee Break
16:00-16:50	“Dielectric Barrier Discharges: Fundamentals and Applications in Biology and Medicine” - Prof. Alexander Fridman
16:50-17:40	“Plasma clinical studies” - Prof. Hans Robert Metelmann
17:40-18:30	“Cold Plasma for Cancer Immunotherapy” - Prof. Nagendra Kaushik
19:00-21:00	ISPB2019 Welcome Reception

Programs at a Glance

TIME	June 24 (Mon.)
09:00-09:20	Opening
09:20-10:00	Plenary Session-1 (GRAND BALLROOM ANTIGUA) Chair: Prof. Jaebum Choo Prof. Joshua Edel (Imperial College London, UK) “TBA”
10:00-10:40	Plenary Session-2 (GRAND BALLROOM ANTIGUA) Chair: Prof. Eun Ha Choi Prof. Klaus-Dieter Weltmann (INP, Germany) “CAP sources - a variety of possible fields for application”
10:40-12:00	Poster Session-1 with Coffee Break (4F Lobby)
12:00-13:30	Lunch
	Plasma Skin I (BALLROOM Barduda) Chair: Prof. Eun Ha Choi & Prof. Klaus-Dieter Weltmann
13:30-14:00	[Invited-01] Prof. Hans Robert Metelmann (University of Greifswald, Germany) “The Greifswald program of randomized clinical trials - Where are we right now in the development of clinical plasma medicine?”
14:00-14:30	[Invited-02] Prof. Nagendra Kaushik (PBRC, KwangWoon University, Korea)
14:30-15:00	[Invited-03] Prof. Thomas von Woedke (INP, Germany) “Wound treatment by cold atmospheric plasma: what evidence do we have?”
15:00-15:30	[Invited-04] Prof. Ihn Han (PBRC, KwangWoon University, Korea)
15:30-16:00	Coffee Break
	Plasma Skin II (BALLROOM Barduda) Chair: Prof. Hans Robert Metelmann & Prof. Ihn Han
16:00-16:30	[Invited-05] Dr. Sybille Hasse (INP, Germany) “Impact of cold plasma on melanin synthesising cells”
16:30-17:00	[Invited-06] Prof. D. K. Yadav (Gacheon University, Korea) “Insights into the role of reactive oxygen and nitrogen species towards melanoma cells: An experimental and computational study”
17:00-17:30	[Invited-07] Dr. Kai Masur (INP, Germany) “New clinical approaches in Plasma Medicine”

17:30-18:00	[Invited-08] Prof. Sun Jung Kim (Dongguk University, Korea) “Effect of cold atmospheric plasma on genome-wide histone modification”
18:00-20:00	Welcome Reception (BALLROOM Barbuda)

June 25 (Tue.)	
	Plasma Sources (BALLROOM Barduda) Chair: Prof. Sun Jung Kim & Prof. Thomans von Woedtke
08:30-09:00	[Invited-09] Prof. Alexander Fridman (NPI, Drexel University, USA) “Physics and BioChemistry of Water Solutions in Plasma Agriculture”
09:00-09:30	[Invited-10] Prof. Jean-Michel Pouvesle (University of Orleans, France) “Plasma biological applications: Issues and challenges linked to plasma/target interactions”
09:30-09:45	[Oral-01] Dr. S. Horn (INP, Germany)
09:45-10:15	[Invited-11] Prof. Hajime Sakakita (AIST, Japan) “Characteristic measurements of low energy ionized gas for the haemostasis”
10:15-10:45	[Invited-12] Dr. K. Wende (INP, Germany) “SMALL MOLECULE ANALYTICS TO ELUCIDATE PLASMA LIQUID BIOCHEMISTRY”
10:45-11:00	Coffee Break
11:00-11:40	Plenary Session-3 (GRAND BALLROOM ANTIGUA) Chair: Prof. Alexander Fridman Prof. Ken Ostrikov (Queensland University of Technology, Australia) “Plasma biosciences: room for nanotechnology in digital age”
11:40-12:20	Plenary Session-4 (GRAND BALLROOM ANTIGUA) Chair: Prof. Jin-Hyo Boo Prof. Kwon-Soo Ha (Kangwon National University Medical School, Korea) “TBA”
12:30-14:00	Lunch
	Plasma Agriculture (BALLROOM Barduda) Chair: Prof. Gyung Soon Park & Prof. Alexander Fridman
14:00-14:30	[Invited-13] Prof. Cheorun Jo (Seoul National University, Korea)
14:30-15:00	[Invited-14] Prof. M. Ito (Meijo University, Japan)
15:00-15:30	[Invited-15] Prof. Mutholab Nisoa (Walailak University, Thailand)
15:30-16:00	[Invited-16] Dr. H. Brust (INP, Germany)
16:00-16:30	Coffee Break
	Plasma Agriculture and Liquid Interaction, Cancer (BALLROOM Barduda)

	Chair: Prof. M. Ito & Prof. Nagendra K. Kaushik
16:30-17:00	[Invited-17] Prof. M. Shiratani (Kyushu University, Japan)
17:00-17:30	[Invited-18] Dr. S. Bekeschus (INP, Germany) “Plasma Cancer-Therapy: Tumor phenotype and Immunity Dictates the Outcome”
17:30-18:00	[Invited-19] Prof. J. S. Oh (Osaka City University, Japan) “DC-Pulse driven plasma jet modulating reactive oxygen and nitrogen species”
18:00-19:20	Poster Session-2 with Coffee Break
19:30-21:30	Conference Banquet

June 26 (Wed.)	
	Plasma Standardization & Cancer (BALLROOM Barduda) Chair: Prof. Jean-Michel Pouvesle & Prof. H. Sakakita
08:00-08:30	[Invited-20] Prof. S.H. Yi (PBRC, KwangWoon University, Korea) “Plasma medicine standard and industry in Korea”
08:30-09:00	[Invited-21] Dr. Jan-Wilm Lackmann (INP, Germany)
09:00-09:30	[Invited-22] Prof. H. S. Uhm (Ajou University, Korea) “Influence of oxygen on dynamics of reactive species from nitrogen plasma jet”
09:30-10:00	[Invited-23] Prof. W. Rizwan (King Saud University, Saudi Arabia) “Functional quantum dots: A drive force for plasma nanomedicine against cancers”
10:00-10:30	[Invited-24] Prof. Jae Sung Kwon (Yonsei University, Korea) “Plasma in Dentistry – Research, Development and Standardization”
10:30-10:45	[Oral-02] Dr. Shome (INP, Germany)
10:45-11:00	Coffee Break
11:00-11:40	Plenary Session-5 (GRAND BALLROOM Antigua) Chair: Prof. Shu Yin Prof. Shu-Hong Yu (University of Science and Technology of China (USTC), China) “TBA”
11:40-12:20	Plenary Session-6 (GRAND BALLROOM Antigua) Chair: Prof. Tae-hyun Nam Prof. Yinong Liu (Western Australia University, Australia) “TBA”
12:30-14:00	Lunch
14:00-15:20	Poster Session-3 with Coffee Break

	Plasma Cancer (BALLROOM Barduda) Chair: Dr. Kai Masur & Prof. Jae Sung Kwon
15:30-16:00	[Invited-25] Dr. Naresh Kumar (PLASMANT, University of Antwerp, Belgium) “Therapeutic evaluation of plasma treated solutions in pancreatic cancer: Identification of kinases promoting factors in distinct cell death pathways”
16:00-16:30	[Invited-26] Prof. B. S. Kwon (Busan National University, Korea)
16:30-16:45	[Oral-03] Dr. Jinsung Choi (PBRC, KwangWoon University, Korea)
16:45-17:00	[Oral-04] Prof. J. S. Park (PBRC, KwangWoon University, Korea)
17:00-17:30	Poster award and Closing
18:00~20:00	Plasma Medicine Device Standardization Meeting & Dinner