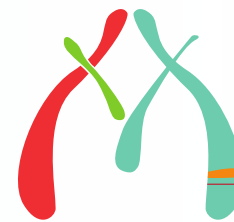


**IOA**



**A**




*3<sup>o</sup> Biennial Conference of Biomaterials and Novel Technologies for Healthcare*

**OCTOBER 18-21, 2022 ROME, ITALY**




**TUESDAY, OCTOBER 18, 2022 morning**

8.30-9.00	Registration open
9.00-9.30	<p align="center"><b>Conference Opening and Authorities Greetings</b></p> <p align="center">Presidents: Mauro Alini (<i>AO Foundation, Switzerland</i>), Giovanni Barbanti- Bròdano (<i>Orthopaedic Institute Rizzoli, Bologna, Italy</i>) and Aldo R. Boccaccini (<i>Friedrich-Alexander University of Erlangen-Nuernberg, Germany</i>)</p> <p align="center">Director of the Institute of the Structure of Matter of the Italian National Research Council (ISM-CNR) (<i>Rome, Italy</i>): Aldo Di Carlo</p> <p align="center">Chair: Julietta V. Rau (<i>Institute of the Structure of Matter, Italian National Research Council, Rome, Italy</i>)</p>
	<p align="center"><b>Plenary - Room: "Sala Convegni"</b></p> <p align="center"><b>Session 1: Advanced Materials in Orthopaedics</b></p> <p align="center">Chairs: Prof. Mauro Alini and Dr. Giovanni Barbanti- Bròdano</p>
9.30-10.00	KEYNOTE SPEAKER Prof. Georg N. Duda ( <i>Germany</i> )
10.00-10.30	KEYNOTE SPEAKER Dr. Dante Dallari ( <i>Italy</i> )
10.30-11.00	KEYNOTE SPEAKER Dr. Milena Fini ( <i>Italy</i> )
11.00-11.30	Coffee break + group photo
11.30-12.00	KEYNOTE SPEAKER Prof. Silvia Farè ( <i>Italy</i> )
12.00-12.15	Dr. Matteo D'Este ( <i>Switzerland</i> )
12.15-12.30	Prof. Florin Miculescu ( <i>Romania</i> )
12.30-12.45	Prof. Elvira De Giglio ( <i>Italy</i> )
12.45-13.00	Dr. Orly Zeituni-Timor ( <i>Israel</i> )
13.00-13.15	Questions, discussion and challenges ahead
13.00-14.00	LUNCH



## TUESDAY, OCTOBER 18, 2022 afternoon

	Plenary - Room: "Sala Convegni" Session 2: Advanced Functional Materials for Orthopaedic and Spine Surgery Chairs: Prof. Aldo R. Boccaccini and Dr. Dante Dallari
14.00-14.30	KEYNOTE SPEAKER Dr. Gianluca Vadalà ( <i>Italy</i> )
14.30-15.00	KEYNOTE SPEAKER Dr. Luuk van Dijk, PhD ( <i>Netherlands</i> )
15.00-15.20	Coffee break
15.20-15.35	Dr. Giovanni Barbanti- Bròdano ( <i>Italy</i> )
15.35-15.50	Prof. Paolo Parchi ( <i>Italy</i> )
15.50-16.05	Dr. Lorenzo Andreani ( <i>Italy</i> ) online 
16.05-16.20	Dr. Francesca Salamanna ( <i>Italy</i> )
16.20-16.35	Dr. Marco Girolami ( <i>Italy</i> )
16.35-16.50	Dr. Leon Riehakainen ( <i>Italy</i> )
16.50-17.05	Dr. Manuele Gori ( <i>Italy</i> )
17.05-18.05	Poster Session 1 (P1 - P16) Room: "Sala Polifunzionale"
19.00-20.30	Aperitif networking party


## WEDNESDAY, OCTOBER 19, 2022 morning

	Room: "Sala Convegni" Session 3: Materials and Novel Technologies for Biomedical Implants and Implant Coatings Chairs: Prof. Iulian V. Antoniac and Dr. Julietta V. Rau		Room: "Sala Polifunzionale" Session 5: Bioactive Glasses Chairs: Prof. Francesco Baino and Prof. Enrica Vernè
9.00-9.30	KEYNOTE SPEAKER Prof. Rainer Gadow ( <i>Germany</i> )	9.00-9.30	KEYNOTE SPEAKER Prof. Aldo R. Boccaccini ( <i>Germany</i> )
9.30-10.00	KEYNOTE SPEAKER Prof. Yufeng Zheng ( <i>China</i> ) online 	9.30-10.00	KEYNOTE SPEAKER Prof. Gigliola Lusvardi ( <i>Italy</i> )
10.00-10.30	KEYNOTE SPEAKER Prof. Iulian Antoniac ( <i>Romania</i> )	10.00-10.30	KEYNOTE SPEAKER Prof. Francesco Baino ( <i>Italy</i> )
10.30-10.50	Coffee break		
10.50-11.20	KEYNOTE SPEAKER Prof. Gültekin Göller ( <i>Turkey</i> )	10.50-11.05	Dr. Ana Sofia Pádua ( <i>Portugal</i> )
		11.05-11.20	Dr. Mari Sofia Lallukka ( <i>Italy</i> )
11.20-11.50	KEYNOTE SPEAKER Prof. Carlos Roberto Grandini ( <i>Brazil</i> )	11.20-11.35	Dr. Azin Khodaei ( <i>Germany, Netherlands</i> )
		11.35-11.50	Dr. Timur Melkumyan ( <i>Uzbekistan</i> )
11.50-12.05	Dr. Gabriela Graziani ( <i>Italy</i> )		Room: "Sala Polifunzionale" Session 6: Cranioplasty materials and tumour models Chair: Dr. Roberto De Santis
12.05-12.20	Prof. Ornella Cavalleri	11.50-12.20	KEYNOTE SPEAKER Prof. Vicentiu M. Saceleanu ( <i>Romania</i> )
12.20-12.35	Prof. Yuri P. Sharkeev ( <i>Russia</i> ) online 	12.20-12.50	KEYNOTE SPEAKER Prof. Ilaria Cacciotti ( <i>Italy</i> )
12.35-12.50	Dr. Alexander D. Kashin ( <i>Russia</i> ) online 	12.50-13.05	Prof. Serena Danti ( <i>Italy</i> )
12.50-13.05	Dr. Aurora Antoniac ( <i>Romania</i> )	13.05 -13.20	Dr. Mario D'Acunto ( <i>Italy</i> )
		13.20-13.35	Dr. Loretta L. del Mercato ( <i>Italy</i> )
13.30-14.30	LUNCH		



## WEDNESDAY, OCTOBER 19, 2022 afternoon

	Room: "Sala Convegni" Session 4: Materials for Dental Applications Chairs: Prof. Maha Daou and Prof. Horia Manolea		Room: "Sala Polifunzionale" Session 7: Materials in Cardiovascular Surgery Chair: Prof. Deon Bezuidenhout and Prof. Horatiu Moldovan
14.30-15.00	KEYNOTE SPEAKER Prof. Horia Manolea ( <i>Romania</i> )	14.30-15.00	KEYNOTE SPEAKER Prof. Horatiu Moldovan ( <i>Romania</i> )
15.00-15.30	KEYNOTE SPEAKER Prof. Franz E. Weber ( <i>Switzerland</i> )	15.00-15.30	KEYNOTE SPEAKER Prof. Neil Davies ( <i>South Africa</i> )
15.30-15.45	Prof. Norina Forna ( <i>Romania</i> )	15.30-16.00	KEYNOTE SPEAKER Prof. Ketul C. Popat ( <i>USA</i> )
15.45-16.00	Prof. Maha H. Daou ( <i>Lebanon, Canada</i> )		
16.00-16.20	Coffee break	16.00-16.20	Coffee break
16.20-16.35	Prof. Anca Porumb ( <i>Romania</i> )	16.20-16.35	Prof. Deon Bezuidenhout ( <i>South Africa</i> )
16.35-16.50	Prof. Vinisha Pandey ( <i>India</i> ) online 	16.35-16.55	Dr. Haris Muhammad ( <i>Italy</i> ) <i>TA Instruments, Waters Spa</i>
16.50-17.05	Dr. Alex Salan ( <i>Romania</i> )	16.55-17.10	Dr. Benedikt Freystetter ( <i>Germany</i> )
17.05-17.20	Dr. Nicoleta Cioaterà ( <i>Romania</i> )	17.10-17.25	MSc. Wian Van Den Bergh ( <i>Netherlands</i> )
17.20-17.35	Prof. Paulo Noronha Lisboa-Filho ( <i>Brazil</i> ) online 	17.25	Questions, discussion and challenges ahead
17.35-17.50	Dr. Lorenzo Degli Esposti ( <i>Italy</i> )		
17.50-18.05	Dr. Radu M. Pisc ( <i>Romania</i> )		
18.05-18.20	Dr. Amit S. Shavit ( <i>Israel</i> )		
18.20-18.35	Dr. Ioana Mitrut ( <i>Romania</i> )		
18.35	Questions, discussion and challenges ahead		

## THURSDAY, OCTOBER 20, 2022

	Plenary – Room: “Aula Marconi” Session 8: Biofabrication Chairs: Prof. Serena Danti and Prof. J. Miguel Oliveira
9.00-9.30	KEYNOTE SPEAKER Prof. Joaquim Miguel Oliveira ( <i>Portugal</i> )
9.30-10.00	KEYNOTE SPEAKER Prof. Lorenzo Moroni ( <i>Netherlands</i> ) <span style="float: right;">online </span>
10.00-10.30	KEYNOTE SPEAKER Prof. Giovanni Marletta ( <i>Italy</i> )
10.30-10.50	Coffee Break
10.50-11.05	Dr. Serafina Pacilio ( <i>Italy</i> )
11.05-11.20	Dr. Tiziano Serra ( <i>Switzerland</i> )
11.20-11.35	Dr. Giuseppe Prencipe ( <i>Italy</i> )
11.35-11.50	Dr. Victor A. Ajisafe ( <i>India</i> )
11.50-12.05	Dr. Leonardo Cassari ( <i>Italy</i> )
12.05-12.20	Dr. Mohammad El Khatib ( <i>Italy</i> )
12.20-12.35	Dr. Federico Mochi ( <i>Italy</i> )
12.35-13.00	Questions, discussion and challenges ahead
13.00-14.00	LUNCH
14.00-15.00	Poster Session 2 (P17-P33) Room: “Aula Marconi”
16.00	Ancient Rome tour
19.30	Conference Dinner

## FRIDAY, OCTOBER 21, 2022 morning

Plenary - Room: "Aula Marconi" Session 9: Tissue Regeneration and Infection Treatment Chair: Dr. Michele Iafisco and Dr. Julietta V. Rau	
9.00-9.30	KEYNOTE SPEAKER Dr. Simone Sprio ( <i>Italy</i> )
9.30-09.45	Dr. Vera Hintze ( <i>Germany</i> )
09.45-10.00	Dr. Francesco Traina ( <i>Italy</i> )
10.00-10.15	Dr. Urszula Piotrowska ( <i>Poland</i> )
10.15-10.30	Dr. Meysam Firoozbahr ( <i>Australia</i> )
10.30-10.45	Dr. Alina Robu ( <i>Romania</i> )
10.45-11.00	Coffee break
Plenary - Room: "Aula Marconi" Session 10: Innovative Ceramic and Composite Materials Chairs: Dr. Gabriela Graziani and Dr. Vera Hintze	
11.00-11.30	KEYNOTE SPEAKER Dr. Michele Iafisco ( <i>Italy</i> )
11.30-11.45	Prof. Katherina Fernández ( <i>Cile</i> )
11.45-12.00	Prof. Dina V. Deyneko ( <i>Russia</i> ) <span style="float: right;">online </span>
12.00-12.15	Dr. Abhishek Indurkar ( <i>Latvia</i> )
12.15-12.30	Dr. Ewelina E. Cichoń ( <i>Poland</i> )
12.30-12.45	Dr. Joanna P. Czechowska ( <i>Poland</i> )
12.45-13.00	Dr. Konstantin Prosolov ( <i>Russia</i> ) <span style="float: right;">online </span>
13.00	Closing Remarks Best Oral Prizes - Best Poster Prizes