

 International Professional University of Technology in Osaka

Global Scientific Guild Conference

PROGRAM

3rd Edition of Global Webinar on Nanotechnology and Nanoscience

February 27-28, 2024

Chairperson



Prof. Maria Cecilia Colautti
National Defense University, Republic of
Argentina

Honorary Chairman



Prof. Thomas J Webster
HCR Interstellar Therapeutics, Boston,
MA USA

Co-Chairman



Prof. Katsuhiro Ajito
International Professional University of
Technology in Osaka, Japan

Technical Co-Chairman



Dr. Yuvaraja Visagathilagar
Principal Engineer at QinetiQ,
Australia

DAY-1

Tuesday - February 27, 2024

Conference starts at 09:00 AM Eastern Daylight Time or 02:00 PM GMT or 07:30 PM IST

09:00-09:10 Introduction/Opening Ceremony by Conference Person

09:10-09:45



Title: [Can Nanomedicine change Occupational Health??](#)

Prof. Maria Cecilia Colautti, National Defense University, Argentina

09:45-10:20



Title: [Terahertz Wave Applications for 6G Communications and Micro/Nano-Particle Polymorph Analysis](#)

Prof. Katsuhiko Ajito, International Professional University of Technology in Osaka, Japan

10:20-10:55



Title: [Multicomponent High-Entropy Cantor Alloys](#)

Prof. Brian Cantor, Department of Materials, University of Oxford; and Brunel Centre for Advanced Solidification Technology (BCAST), Brunel University, UK

10:55-11:30



Title: [The Rational Synthesis of Lanthanum Manganite Nanoparticles for Magnetic Refrigeration Applications](#)

Prof. Everett Carpenter, Virginia Commonwealth University, USA

11:30-12:05



Title: [The Dire Consequences of Nano Tech Development and Transhumanism Morphology](#)

Bryan Pelletier, Bryan396 Nano Tech Research Project, Canada

12:05-12:15

Break

12:15-12:45



Title: [Receptor-Polymer Fusion Therapeutics: a unique class of re-engineered nanomaterials for small molecule drug delivery](#)

Dr. Jugal Dhandhukia, University of Southern California, currently employed by AbbVie, USA

12:45-13:15



Title: [Green Nanotechnology: Pioneering Sustainable Solutions for Future Environmental and Health Challenges](#)

Dr. REMITA Ferial, Environmental Research Center, Annaba Algeria

13:15-13:50



Title: [Investigations of parquet surfaces finished with different lacquer systems in industrial conditions](#)

Dr. Tomasz Krystofiak, Poznan University of Life Sciences, Poland

13:50-14:15



Title: [Impact of the nanoscale structure and surface morphology on the properties of polymer nanocomposite films for biomedical applications](#)

Prof. M. Teresa Cuberes, Department of Applied Mechanics and Project Engineering, University of Castilla-La Mancha, Spain

14:15-14:40



Title: "High Throughput Screening for Lipid Nanoparticle Formulations"

Alexander Aust, CATUG, USA

14:15-14:40



Title: Studying the structure, formation, and mechanics of natural spider silk nanofibrils

Dr Dinidu Perera, William & Mary, USA

DAY-2

Wednesday - February 28, 2024

Conference starts at 09:00 AM Eastern Daylight Time or 02:00 PM GMT or 07:30 PM IST

09:10-09:50



Title: Will be Updated soon..

Dr. Yuvaraja Visagathilagar, Principal Engineer at QinetiQ, Australia

09:50-10:25



Title: Assessing thermoelectric performance of quasi 0D carbon and polyaniline nanocomposites using machine learning

Sergio Arroyo Armida, School of Engineering and Sciences, Tecnológico de Monterrey, Mexico

10:25-10:55



Title: Nanotechnology and Ayurveda

Dr. Shivani Gavande, Parul Institute of Ayurved & Research Vadodara, India

10:55-11:30



Title: A Real BandAid™: Incorporating Artificial Intelligence (AI) into Biomaterials, Nanotechnology, and Medicine

Prof. Thomas J Webster, HCR Interstellar Therapeutics, Boston, MA USA

11:30-12:00



Title: Differentiating "Commonality Particles" from "Personality Particles"

Yansha Yu-Sandstrom, Independent scholar, USA

12:00-12:30



Title: Graphene Revolution in Construction: Enhancing Concrete Properties and Durability

Eduardo Priego Mondragón, CEO Energeia Graphenemex, Mexico

12:30-12:40

Break

12:40-13:15



Title: Amplification of cell viability response: The synergism of radiofrequency and nanocomposites

Prof. Paulo César DE MORAIS, Catholic University of Brasília, Brazil

13:15-13:45



Title: Neurohacking 427: Synthetic Biology Concentrated Channels, Cybersecurity & Biological Waveguides

Prof. Brandon Iglesias, Professor of Practice, Reactwell, USA

13:45-14:05



Title: Revitalizing nanomaterials and natural products against parasitic diseases

Prof. Maria de Lourdes Pereira, CICECO - Aveiro Institute of Materials and Department of Biology, University of Aveiro, Portugal

14:05-14:30



Title: Smart Wearable Thermal Management VO₂ Coated Textile for Thermochromic and Sensing Applications

Treesa Reji, DREXEL UNIVERSITY, USA

14:30-15:00



Title: A Scalable High-Throughput Isoelectric Fractionation Platform for Extracellular Nanocarriers: Comprehensive and Bias-Free Isolation of Ribonucleoproteins from Plasma, Urine, and Saliva

Himani Sharma, Avery Digital Data Inc., San Diego, California, USA

Thank you!

OUR NEXT EVENT

**4rd Edition of Global Webinar on
Nanotechnology and Nanoscience
June 26-27, 2024**

Thank you!

OUR OTHER CONFERENCES

9th Global Webinar on Applied Science, Engineering and Technology	March 06-07, 2024 Viwe Website
11th Global Webinar on Traditional and Integrative Medicine	March 13-14, 2024 Viwe Website
10th Global Webinar on Forensic Science	March 20-21, 2024 Viwe Website
2nd Global Webinar on Neuroscience and Brain Disorders	March 20-21, 2024 Viwe Website
9th Global Webinar on Materials Science and Engineering	April 03-04, 2024 Viwe Website
Global Webinar on Renewable and Sustainable Energy	April 10-11, 2024 Viwe Website
5th Global Webinar on Laser, Optics and Photonics	April 17-18, 2024 Viwe Website
9th Global Webinar on Public Health	April 24-25, 2024 Viwe Website
7th Global Webinar on 3D Printing and Additive Manufacturing	April 29-30, 2024 Viwe Website
Global Webinar on Pharmaceuticals and Drug Delivery Research	June 05-06, 2024 Viwe Website
Global Webinar on Renewable and Sustainable Energy	June 12-13, 2024 Viwe Website