RAN CONGRESS

7TH WORLD CONGRESS ON RECENT ADVANCES IN NANOTECHNOLOGY (RAN’22)
April 04, 2022 - April 06, 2022| Lisbon, Portugal| Virtual Conference

THE RAN’22 CONGRESS IS COMPOSED OF 2 CONFERENCES

NDDTE ’22

IC NNFC ’22

April 04

April 05

April 06

OUR PROGRAM SCHEDULE IS BASED ON EASTERN TIME (EDT - OTTAWA TIME)
APRIL 04

10:00 AM – 12:00 PM  Registrations

RAN'22 Scientific Committee Chairs

Dr. Wolfgang Ensinger
Technische Universität Darmstadt, Germany
Congress Chair
View Profile

Dr. Josef Jampilek
Comenius University, Slovakia
Congress Co-Chair
View Profile

RAN'22 Local Co-Chairs

Dr. João Manuel Cunha Rodrigues
University of Madeira, Portugal
Congress Local Co-Chair
View Profile

Dr. Manuel Bañobre-López
International Iberian Nanotechnology Laboratory, Portugal
Congress Local Co-Chair
View Profile

Dr. Sofia Lima
University of Porto, Portugal
Congress Local Co-Chair
View Profile

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<td>7:00 AM - 9:00 AM</td>
<td>Registrations</td>
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<td>8:00 AM - 8:15 AM</td>
<td>Official Opening</td>
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<td>Dr. Wolfgang Ensinger, Technische Universität Darmstadt, Germany</td>
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<td>8:15 AM - 9:00 AM</td>
<td>NDDTE’22 KEYNOTE LECTURE</td>
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<td>Advances in Nucleic Acid Medicine Delivery to the Brain</td>
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<td>Dr. Moein Moghimi, Newcastle University, UK</td>
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<td>9:00 AM - 09:45 AM</td>
<td>ICNNFC’22 KEYNOTE LECTURE</td>
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<td>Heteroatom-Doped Carbon Quantum Dots as Electrocatalysts for the Oxygen Reduction</td>
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<td>Dr. Philippe Knauth, Aix Marseille Université, France</td>
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<td>09:45 AM - 09:55 AM</td>
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<td>9:55 AM - 10:45 AM</td>
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<td>Nanotechnology and Drug Delivery I</td>
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<td>10:45 AM - 12:15 PM</td>
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<td>Nanomaterials Applications</td>
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<tr>
<td>12:15 PM - 12:45 PM</td>
<td>Lunch Break</td>
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<td>12:25 PM - 12:45 PM</td>
<td>ICNNFC’22 KEYNOTE LECTURE</td>
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| 12:45 PM - 1:30 PM  | The Role of the Biomolecule Corona in Determining Biocompatibility of Nanoscale Materials  
|                  | Dr. Iseult Lynch, University of Birmingham, UK                        |
| 1:30 PM - 2:00 PM   | SESSION DETECTING AND MONITORING OF NANOMATERIALS I                  |
| 2:00 PM - 2:40 PM   | SESSION NANOTECHNOLOGY: MODELING AND SIMULATION                      |
Moein Moghimi is a Professor of Pharmaceutics and Nanomedicine at the School of Pharmacy, and Translational and Clinical Research Institute, Newcastle University (UK), and an Adjunct Professor at the Skaggs School of Pharmacy and Pharmaceutical Sciences, University of Colorado-Denver. He is also co-founder of three spin-offs in USA and UK, and Associate Editor of Molecular Therapy (Cell Press). He graduated with Honors in Biochemistry from the University of Manchester (UK) in 1985 and then completed a PhD in Biochemistry at Charing Cross and Westminster Medical School (Imperial College, London).

Moghimi is widely recognised for his contribution to fundamental and translational research in nanomedicine and drug delivery, especially in mechanistic understanding of nanoparticle-mediated complement activation and infusion reactions, and as an inventor of many nanosystems for tissue-specific targeting. The latter have included “splenotropic” and “lymphotropic” nanoparticles. Among the latest inventions of Moghimi’s laboratory are the NanoLigand Carriers. These are induced self-assemblies of phage-derived display peptides that on intravenous injection rapidly target two receptors on the blood brain-barrier, reaching neurons and microglia. A 2021 study by Stanford University list Moghimi among the top 0.08% of world’s leading scientists across in all fields, and rank him at 53 (out of 131,063) in the field of pharmacology in the world and 28 in Europe. As to date, Moghimi’s research programme has secured over €25 million funding. He is widely published (>300 research papers, reviews, book chapters, proceedings, etc., ORCID: 0000-0003-0836-926X) and cited (>24,000 citations and h-index of 70, G5 as of Jan 2022), and has delivered >400 invited plenaries, keynote speeches and distinguished lectures world-wide. He also serves on editorial board of >10 international journals including Advanced Drug Delivery Reviews, Journal of Controlled Release and Nanomedicine (Lond.). He is also an active consultant to industry and governmental organisations.
Currently Professor of Materials Chemistry and Director of the Chemistry Department at Aix Marseille University. Obtained his PhD in Physical Chemistry (Dr. rer. nat., Saarland University) in 1987 and the Habilitation in Materials Science (Aix Marseille University) in 1996. Prior to becoming a Full Professor in 1999, hold different positions: post-doctoral fellow (CNRS, Centre de Thermodynamique et de Microcalorimétrie, 1987-1989), laboratory head at Bayer Co. (Pigments and Ceramics Division, 1989-1990) and CNRS researcher (“Chargé de Recherche“, 1990-1999). Member of the Editorial Board of several international journals: “Journal of Electroceramics” (Springer), “Journal of Nanomaterials” (Hindawi), “Frontiers in Energy Research” and “Membranes” (MDPI). Société Chimique de France (SCF): Vice-President (2006-2010) and President (2010-2017) of the “Provence-Alpes-Cote d’Azur” regional section and member of the Administration Council (Board of Directors) of SCF (representing the regional sections 2012-2017).

**Titles:** Design and Evaluation of Nanocarrier Embedded Hybrid Hydrogels for Topical Delivery of Hydrophobic Molecules  
**NDDTE 119**  
**Time:** 9:55 - 10:10  
**Presenter:** Reatul Karim, East West University, Bangladesh  
**Authors:** Reatul Karim, Farhana Rizwan, Md. Mahbubur Rahman Tanim, Sabrin Islam Khan

**Titles:** Alginic Aldehyde-Gelatin Nanogel as Sustainable Drug Delivery System of Azithromycin: Development, Characterization and In Vitro Evaluation  
**NDDTE 108**  
**Time:** 10:10 - 10:25  
**Presenter:** Samin A. Dastjerd, Istanbul Technical University, Turkey  
**Authors:** Samin A. Dastjerd, Melike Sessevmez, Erdal Cevher, Gulhayat Nasun-Saygili

**Titles:** Solid Lipid Nanoparticles for Ocular Delivery of Posaconazole: Design, Optimization and Evaluation  
**NDDTE 116**  
**Time:** 10:25 - 10:40  
**Presenter:** Ali Asram Sagiroglu, Bezmialem Vakif University, Turkey  
**Authors:** Ali Asram Sagiroglu

**Titles:** Development of a Long-Acting Injectable Formulation of Rilpivirine Based On PLGA Microspheres  
**NDDTE 143**  
**Time:** 10:40 - 10:45  
**Presenter:** Yulia Ulianova, D. Mendeleev University of Chemical Technology of Russia, Russia  
**Authors:** Yulia Ulianova, Yulia Ermolenko, Vladimir Trukhan, Vladimir Ivanov, Ildar Iusupov, Alexander Kurkin, Svetlana Gelperina
SESSION
NANOMATERIALS APPLICATIONS
APRIL 05 | 10:45 AM - 12:15 PM | SESSION CHAIR: DR. MARTA SEVIERI, UNIVERSITÀ DEGLI STUDI DI MILANO, ITALY & DR. MARÍA DEL MAR COLLADO GONZÁLEZ, UNIVERSITY OF MURCIA, SPAIN

**Titles:** Aggregation-Induced Changes in Optical Characteristics of CdSe/ZnS Quantum Dots

**ICNNFC 157**
**Time:** 10:45 - 11:00
**Presenter:** Tatiana Oskolkova, ITMO University, Russia
**Authors:** Tatiana Oskolkova, Ekaterina Kolesova, Anna Orlova

**Titles:** Green Synthesis, Mechanism, & Intrinsic Properties of Kraft Lignin Nanoparticles

**ICNNFC 166**
**Time:** 11:00 - 11:15
**Presenter:** Ahilan Manisekaran, Luxembourg Institute of Science and Technology, Luxembourg
**Authors:** Ahilan Manisekaran, Patrick Grysan, Benoît duez, Damien Lenoble, and Jean-Sébastien Thomann

**Titles:** Exotemplate-based Fabrication of 1-dimensional Hybrid Nanostructures for Catalysis and Sensing

**ICNNFC 173**
**Time:** 11:15 - 11:30
**Presenter:** Dr. Wolfgang Ensinger, Technical University Darmstadt, Germany
**Authors:** Khaled M. Amin, Tim Boettcher, Martin C. Scheuerlein, Wolfgang Ensinger

**Titles:** Responsive Nanoparticles for Triggered Delivery of Anti-scar Drug to the Burn Wound

**ICNNFC 135**
**Time:** 11:30 - 11:45
**Presenter:** Farinaz Jonidi Shariatzadeh, University of Manitoba, Canada
**Authors:** Farinaz Jonidi Shariatzadeh, Sarvesh Logsetty and Song Liu

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Titles: Development of Room-Temperature H2S Gas Sensor Using Flower-Like Zno Nanorods

ICNNFC 162
Time: 11:45 - 12:00
Presenter: Sara Ghaderahmadi, University of Victoria, Canada
Authors: Sara Ghaderahmadi, Nishat Tasnim, Mohammad Arjmand, Mina Hoorfar

Titles: Double Layer Graphene Oxide Loaded With Propylammonium Nitrate for Selective Adsorption of Inorganic Salts

ICNNFC 147
Time: 12:00 - 12:15
Presenter: Hadil Abu Khalifeh, Abu Dhabi University, UAE
Authors: H. AbuKhalifeh, I. M. AlNashef, B. Zhuman, I. Zuburtikudis
Professor Iseult Lynch undertook her PhD in Physical Chemistry at University College Dublin developing responsive polymeric materials for use in medical devices and as tissue growth substrates. She subsequently did several years of postdoctoral research at Physical Chemistry 1, Lund University in Sweden, including as an EU Marie Curie Fellow, investigating several aspects of colloid and interface science and biophysics. She returned to University College Dublin in 2006 where she led the nanoparticle synthesis and bio-characterisation group at the Centre for BioNano Interactions (CBNI). She then became the Strategic Research Manager for CBNI, and was instrumental in securing multiple large scale national and EU funding bids. In March 2013 she joined the University of Birmingham as a Lecturer in Environmental Nanosciences, becoming Senior Lecturer in 2015 and Professor of Environmental Nanosciences in 2016.
Titles: Indocyanine Green-Loaded Ferritin Nanoparticles for Intraoperative Detection of Cancer Tissue

NDDTE 142
Time: 01:30 - 01:45
Presenter: Marta Sevieri, Milano University, Italy
Authors: Marta Sevieri, Serena Mazzucchelli, Arianna Chesi, Cristina Sottani, Fabio Corsi

Titles: Selective Detection of Natural Gas Odorants Using Microfluidic Gas Sensors with Embedded Micro- and Nanofeatures

ICNNFC 163
Time: 01:45 - 02:00
Presenter: Mahan Ghazi, University of British Columbia, Canada
Authors: Mahan Ghazi, Nishat Tasnim, Mina Hoorfar
# SESSION

## NANOTECHNOLOGY: MODELING AND SIMULATION

**APRIL 05 | 2:00 PM - 02:40 PM | SESSION CHAIR: DR. MARTA SEVIERI, UNIVERSITÀ DEGLI STUDI DI MILANO, ITALY & DR. MARÍA DEL MAR COLLADO GONZÁLEZ, UNIVERSITY OF MURCIA, SPAIN**

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<td>02:00 - 02:15</td>
<td>Anais Colibaba, University College Dublin, Ireland</td>
<td>Anais Colibaba, Konstantinos Kotsis, Vladimir Lobaskin</td>
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<td>171</td>
<td>02:15 - 02:30</td>
<td>Konstantinos Kotsis, University College Dublin, Ireland</td>
<td>Konstantinos Kotsis, Vladimir Lobaskin</td>
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<td>172</td>
<td>02:30 - 02:35</td>
<td>Ian Rouse, University College Dublin, Ireland</td>
<td>Ian Rouse, David Power, Stefano Poggio, Erik Brandt, Hender Lopez, Alexander Lyubartsev, Vladimir Lobaskin</td>
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<td>174</td>
<td>02:35 - 02:40</td>
<td>Parinaz Mosaddeghi Amini, University College Dublin, Ireland</td>
<td>Parinaz Mosaddeghi Amini, Julia Subbotina, Vladimir Lobaskin</td>
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| 8:00 AM - 8:45 AM | ICNNFC’22 KEYNOTE LECTURE       | Ion Damage Tracks in Polymers - Fabrication of 1-Dimensional Nanostructures: Nanochannels, Nanowires and Nanotubes  
Dr. Wolfgang Ensinger, Technische Universität Darmstadt, Germany |
| 8:45 AM - 9:30 AM | NDDTE’22 KEYNOTE LECTURE        | Nanoscale Antimycotics and Antifungal Active Nanocomposites  
Dr. Josef Jampilek, Comenius University, Slovakia                       |
<p>| 9:30 AM - 09:40 AM | BREAK                          |                                                                         |
| 9:40 AM - 10:50 AM | SESSION                        | NANOCOMPOSITES                                                         |
| 10:50 AM - 11:30 AM | SESSION                        | Nanotechnology and Biomedical Applications                              |
| 11:30 AM - 12:00 PM | Lunch Break                    |                                                                         |</p>
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| 12:00 PM - 12:45 PM| ICNNFC'22 KEYNOTE LECTURE                                              | **Nanostructuration in Hydrogels and Electrospun Fibre Mats for Biomedical Applications**  
Dr. Alexander Korsunsky, University of Oxford, UK  |
| 12:45 PM- 01:05 PM | SESSION THIN FILMS                                                    |                                                                         |
| 01:05 PM- 02:50 PM | SESSION NANOTECHNOLOGY AND DRUG DELIVERY II                           |                                                                         |
Wolfgang Ensinger studied chemistry and physics at the Universities in Karlsruhe and Heidelberg in Germany. He received his PhD in 1988 from Heidelberg University. Thereafter, he was a guest researcher at Osaka National Research Institute in Japan, lecturer at Institute of Solid State Physics at University Augsburg and professor of Analytical and Nuclear Chemistry at University of Marburg. Since 2004, he is a full professor of Material Analysis at Technical University of Darmstadt in Germany. His research topics include formation of thin films and nanostructures, including nanochannels, nanowires and nanotubes. He has authored/co-authored more than 200 peer-reviewed scientific publications.
Josef Jampilek completed his Ph.D. degree in Medicinal Chemistry at the Faculty of Pharmacy of the Charles University (Czech Republic) in 2004. In 2004-2011, he worked in expert and managerial posts in the R&D Division of the pharmaceutical company Zentiva (Czech Republic). Prof. Jampilek deepened his professional knowledge at the Medicinal Chemistry Institute of the Heidelberg University (Germany) and at multiple specialized courses. In 2017, he was designated as a Full Professor of Medicinal Chemistry. At present he works at the Regional Centre of Advanced Technologies and Materials, Palacky University in Olomouc (Czech Republic) and the Faculty of Natural Sciences, Comenius University in Bratislava (Slovakia). In addition, he is a visiting professor at the University of Silesia in Katowice (Poland) and Hong Kong Baptist University (Hong Kong SAR, China) and an invited professor/expert at various higher educational institutions. He is an author/co-author of more than 30 patents/patent applications, more than 200 peer-reviewed scientific publications, 7 university textbooks, more than 30 chapters in monographs, and many invited lectures at international conferences and workshops. He also received several awards for his scientific results, e.g., from Aventis, Elsevier, Willey, Sanofi and FDA. The research interests of Prof. Jampilek include design, synthesis, and structure-activity relationships of heterocyclic compounds as anti-invasive and anti-inflammatory agents as well as nanosystems. He is also interested in ADME, drug bioavailability and solid-state pharmaceutical analysis.
**Titles:** Optical Properties of Al$_2$O$_3$-Ni-Al Nano-Composite Films  
**ICNNFC 104**  
**Time:** 09:40 - 09:45  
**Presenter:** Yoo Su Kang, Kangwon National University, South Korea  
**Authors:** Yoo Su Kang, Woong Ki Jang, Young Ho Seo, Byeong Hee Kim

**Titles:** Fabrication of Nanoporous Hemi-Spherical Micro-Shell Array for 3D Cell Culture  
**ICNNFC 156**  
**Time:** 09:45 - 09:50  
**Presenter:** Se Hyong Lee, Kangwon National University, South Korea  
**Authors:** Byeong Hee Tae, Eui Don Han, Se Hyong Lee, Byeong Hee Kim, Young Ho Seo

**Titles:** Self-supported LDH-decorated Nanotube Networks as 3D Platforms for Electrochemical Applications  
**ICNNFC 140**  
**Time:** 09:50 - 10:05  
**Presenter:** Khaled M. Amin, Technical University of Darmstadt, Germany  
**Authors:** Khaled M. Amin, Wolfgang Ensinger

**Titles:** Influence of Diatomaceous Biosilica on the Properties of Composites Based On Dielectric Elastomers  
**ICNNFC 159**  
**Time:** 10:05 - 10:20  
**Presenter:** Weronika Brzozowska, University of Szczecin, Poland  
**Authors:** Weronika Brzozowska, Izabela Wojtczak, Myroslav Sprynskyy, Ewa Olewnik-Kruszkowska, Bogusław Buszewski
SESSION
NANOCOMPOSITES
APRIL 06 | 09:40 PM - 10:50 AM | SESSION CHAIR: DR. JOSEF JAMPILEK, COMENIUS UNIVERSITY, SLOVAKIA & DR. KONSTANTINOS KOTSIS, UNIVERSITY COLLEGE DUBLIN, IRELAND

Titles: On the Importance of Mucin Corona to prevent Nanocapsules Aggregation for Oral Delivery
ICNNFC 175
Time: 10:20 - 10:35
Presenter: Mar Collado-González, University of Leeds, UK
Authors: Mar Collado-González, Gurmeet Kaur, Yadira González-Espinosa, Rebecca Brooks, and Francisco M Goycoolea

Titles: New Consideration in Achievement of (Bio) Colloid Nanocomposites
ICNNFC 176
Time: 10:35 - 10:50
Presenter: Railean Viorica, Nicolaus Copernicus University in Torun, Poland
Authors: Railean Viorica, Anna Król-Górniak, Pomastowski Pawel, Buszewski Boguslaw
Titles: Functionalizing Gold Nanostars with Ninhydrin as Vehicle Molecule for Biomedical Applications

NDDTE 130
Time: 10:50 - 11:05
Presenter: Swati Mishra, Indian Institute of Technology, India
Authors: Swati Mishra

Titles: Nanobody Based Nanosystems to Contend Neisseria meningitidis and West Nile Virus

NDDTE 103
Time: 11:05 - 11:20
Presenter: Amod Kulkarni, University of Veterinary Medicine and Pharmacy, Slovakia
Authors: Amod Kulkarni, Jana Hruškovicová, Katarína Bhide, Patrícia Mertinková, Evelína Mocňáčová, and Mangesh Bhide

Titles: Adhesion, Viability and Differentiation of Adipose Tissue Derived Mesenchymal Stem Cells onto Micro/Nanostructured Polystyrene Substrates

NDDTE 135
Time: 11:20 - 11:25
Presenter: Anastasia Kanioura, Institute of Nuclear & Radiological Sciences & Technology, Greece
Authors: Anastasia Kanioura, Angelos Zeniou, Panagiota Petrou, Adamantia Papadopoulou, Eleni Mavrogonatou, Dimitris Kletsas, Angeliki Tserepi, Evangelos Gogolides, Sotirios Kakabakos

Titles: Biobased Elastomer Nanofibers for Guiding Skeletal Muscle Regeneration

NDDTE 134
Time: 11:25 - 11:30
Presenter: Aimee Cheesbrough, Centre for Gene Therapy and Regenerative Medicine, MRC Centre for Neurodevelopmental Disorders, Centre for Developmental Neurobiology, Kings College London, UK
Authors: Aimee Cheesbrough, Ivo Lieberam, Wenhui Song
Professor Alexander Korsunsky is a world-leader in engineering microscopy of materials for optimisation of design, durability and performance. He leads the MBLEM lab (Multi-Beam Laboratory for Engineering Microscopy) at Oxford, and the Centre for In situ Processing Science (CIPS) at the Research Complex, Harwell. He consults Rolls-Royce plc on matters of residual stress and structural integrity, and is Editor-in-Chief of Materials & Design, a major Elsevier journal (2018 impact factor 5.770).

Alexander holds the degree of Doctor of Philosophy (DPhil) from Merton College, Oxford. He was Junior Research Fellow at Fitzwilliam College, Cambridge, and Lecturer at Newcastle University, before returning to Oxford. Each year he gives several keynote and plenary lectures at major international conferences. He has extensive links that include visiting appointments in Italy (Roma Tre), France (ENSICAEN) and Singapore (NUS, NTU, A*Star).

Prof Korsunsky’s research interests concern improved understanding of integrity and reliability of engineered and natural structures and systems, from high-performance metallic alloys to polycrystalline ceramics to natural hard tissue such as human dentin and seashell nacre. He co-authored books on fracture mechanics (Springer), elasticity (CUP) residual stress (Elsevier), and published ~350 papers in scholarly periodicals on subjects ranging from multi-modal microscopy, neutron and synchrotron X-ray analysis, contact mechanics and structural integrity to micro-cantilever bio-sensors, size effects and scaling transitions. His h-index is 38, with his top publications cited over 500 times.
Titles: Statistical Distribution of Charge Carriers in β-HgS Quantized Layer in Lateral Electrostatic Field

ICNNFC 151
Time: 12:45 - 01:00
Presenter: Volodya Harutyunyan, Russian-Armenian University, Republic of Armenia
Authors: Volodya Harutyunyan

Titles: Hydrothermal growth: Influence of process parameters to design TiO2 nanostructures

ICNNFC 169
Time: 01:00 - 01:05
Presenter: Walid Mnasri, CY Cergy Paris Université, France
Authors: Walid Mnasri, Sébastien Peralta, Xavier Sallenave
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<td>Development FAP-Targeted Nanotherapy against Cancer-Associated Fibroblasts</td>
<td>NDDTE 141</td>
<td>01:05 - 01:20</td>
<td>Arianna Bonizzi, University of Milan, Italy</td>
<td>Arianna Bonizzi, Marta Truffi, Leopoldo Sitia, Serena Mazzucchelli, Sara Negri, Luca Sorrentino, Marta Sevieri and Fabio Corsi</td>
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<td>Study of Chitosan-Arginine with Different Degrees of Substitution at Chitosomes Nanoparticles Formulation for Gene Delivery</td>
<td>NDDTE 146</td>
<td>01:20 - 01:35</td>
<td>Bianca Garcia, University of Sao Paulo, Brazil</td>
<td>Bianca Bonetto Moreno Garcia, Omar Mertins, Sang Won Han</td>
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<td>Cellulose Nanocrystals as a Versatile Platform for Regulation of Myeloid Cell Immunogenicity</td>
<td>NDDTE 149</td>
<td>01:35 - 01:50</td>
<td>Sergej Tomić, University of Belgrade, Serbia</td>
<td>Sergej Tomić, Marina Bekić, Miloš Vasiljević, Dušica Stojanović, Dragana Vučević, Petar Uskoković, Miodrag Čolić and Vanja Kokol</td>
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<td>Surface Plasmon Resonance Imaging For the Characterization of Dual-Targeting-Peptides Liposomes</td>
<td>NDDTE 144</td>
<td>01:50 - 02:05</td>
<td>Francesca Rodà, University of Modena and Reggio Emilia, Italy</td>
<td>Francesca Rodà, Silvia Picciolini, Alice Gualerzi, Valentina Mangolini, Francesca Re, Antonio Renda, Antonia Antoniou, Pierfausto Seneci, Sara Pellegrino, Marzia Bedoni</td>
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### SESSION
**NANOTECHNOLOGY AND DRUG DELIVERY II**

**APRIL 06 | 01:05 PM - 02:50 PM | SESSION CHAIR: DR. SOFIA LIMA, UNIVERSITY OF PORTO, PORTUGAL**

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<th>Raman Spectroscopy for the Characterization of Multifunctional Nanoliposomes for Alzheimer's disease and Glioblastoma</th>
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<td>NDDTE 145</td>
<td><strong>Time:</strong> 02:05 - 02:20</td>
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<tr>
<td>Authors:</td>
<td>Valentina Mangolini, Silvia Picciolini, Francesca Rodà, Alice Gualerzi, Francesca Re, Antonia Antoniou, Sabrina Giofrè, Marzia Bedoni</td>
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<th>PBPK Modelling for Intratumoral Biodistribution of Magnetic Iron Oxide Nanoparticles</th>
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<td>NDDTE 140</td>
<td><strong>Time:</strong> 02:20 - 02:35</td>
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<tr>
<td>Authors:</td>
<td>Doaa Ahmed Mohamed, Alice Howarth, Ibane Abasolo, Maiara Montanha, Monserrat Llaguno, Paul Southern, Quentin Pankurst, Zamira V. Díaz-Riascos, Neill Liptrott</td>
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<th>Comparing in vitro Permeability of a Nanocarrier-Hydrogel Hybrid System with an Alcoholic Hydrogel for Sustained Transdermal Drug Delivery</th>
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<td>NDDTE 132</td>
<td><strong>Time:</strong> 02:35 - 02:50</td>
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<tr>
<td>Authors:</td>
<td>Reatul Karim, Farhana Rizwan, Md. Mahbubur Rahman Tanim, Sabrin Islam Khan</td>
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