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NanoKos Second Workshop Programme

NanoBalkan Conference, Tirana, Albania

October 31, 2024

Agenda:

9:00 – 9:10 | Opening remarks – Prof Armond Daci

Keynote Speakers: Environmental Medical Research

9:10 – 9:35 | Keynote 1: Susanne Krauss-Etschmann – Research Center Borstel, Germany

Topic: [TBA]

9:35 – 10:10 | Keynote 2: Ian Mudway – Imperial College London, UK

Topic: [TBA]

10:10 - 10:35 | Keynote 3: Elinda Zeqiri – ImmuONE, UK

Topic: In vitro human alveolar macrophage ImmuPHAGE responses to particulate matter exposure

Nanomedicine: Invited Speakers & Workshop Presentations

10:35 - 11:10 | Presentation 1: Driton Vllasaliu – King’s College London, UK

Topic: Milk NanoVesicles for Oral Delivery of Nucleic Acids

11:10 - 11:35 | Presentation 4: Mimoza Basholli – University of Prishtina, Kosovo

11:35 - 12:00 | Presentation 3: Avni Berisha – University of Prishtina, Kosovo

Topic: Advanced Theoretical Investigations into Xylazine Adsorption on Carbon Nanostructures

12:00 - 12:25 | Presentation 2: Armond Daci – University of Prishtina, Kosovo

Topic: Application of fluorescence imaging to assess in vivo the biodistribution of nanoparticles

Topic: [TBA]

12:15 - 13:15 | Lunch Break





Environmental Medical Research Oral Presentations

(NanoKos Interns – 10 minutes each)

13:15 - 13:25 | Liridon Sopaj – University of Prishtina, Kosovo

Topic: **Acute exposure to ambient fine particulate matter (PM 2.5) extracted from Prishtina and Obiliq urban area induces cardiac electrophysiological changes in rats**

13:25 - 13:35 | Vllaznim Mula – University “Fehmi Agani”, Albania

Topic: **Monitoring Volatile Organic Compounds in Indoor and Outdoor Air Using Passive Sampling in Milan, Italy**

Poster Session 1: Environmental Medical Research Posters

(NanoKos Interns – 5-minute poster presentations)

13:35 - 14:05

1. **Hygerta Berisha – University of Prishtina, Kosovo**
Poster: **In Vitro Evaluation of Cytotoxicity Induced by Particulate Matter in Human Lung Epithelial Cells (A549)**
2. **Rona Mustafa – University of Prishtina, Kosovo**
Poster: **In Vitro Assessment of Cytotoxic Effects of Particulate Matter on Isolated Splenocytes and Respiratory Cells**
3. **Andonita Buçinca – University of Prishtina, Kosovo**
Poster: **Occurrence of microplastics in fishes from aquatic ecosystems of northern Kosovo**
4. **Arion Elshani – University of Prishtina, Kosovo**
Poster: **Impact of Particulate Matter Exposure on Human Umbilical Vein Endothelial Cells: Insights into Oxidative Stress, Inflammation, and Endothelial Dysfunction**
5. **Diar Kabashi – University of Prishtina, Kosovo**
Poster: **Cytotoxic and Oxidative Stress Responses to Differently Charged and Sized Microparticles in Caco-2 Cells**
6. **Shkumbin Shala - Hydrometereological Institute of Kosovo, Republic of Kosovo**
Poster: **Analysis of the Impact of Saharan Dust in the Rural Areas of Brezovica and the Concentration of PM10, PM2.5, NO2, O3, SO2, and CO**
7. **Mentor Shala - Hydrometereological Institute of Kosovo, Republic of Kosovo**
Poster: **The impact of dust from the Sahara on PM2.5 and PM10 on air quality in the Pristina area**





Poster Session 2: Nanomedicine Posters

(NanoKos Interns-5-minute poster presentations)

14:05 - 14:35

- 1. Vanesa Krasniqi – University of Prishtina, Kosovo**
Poster: **Comparative biodistribution of exosome, lipid nanoparticle, and hybrid formulations for targeted gastrointestinal delivery of anti-TNF alpha**
 - 2. Blerta Shehu – University of Prishtina, Kosovo**
Poster: **Identification of Targets for siRNA in Human Vena Saphena**
 - 3. Eriola Sogojeva – University of Prishtina, Kosovo**
Poster: **Integration Multi-Omics for Precision Diagnostic and Nanodelivery in Therapeutic Applications**
 - 4. Arianit Zajmi – University of Prishtina, Kosovo**
Topic: **Novel Approaches in Headache Management: Beyond Traditional NSAIDs with Indomethacin and Innovative Drug Delivery**
 - 5. Toske Kryeziu – University of Prishtina, Kosovo: KCL Internship presentation**
Topic: [TBA]
 - 6. And Elshani – University of Prishtina, Kosovo**
Poster: **Advances and Perspectives in Near-Infrared Fluorescent Organic Probes for Surgical Oncology**
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14:35 | Closing Remarks & Certificate Distribution

