## **CONFERENCE PROGRAM**

## FFF 2020 - University of Vienna - Poster Presentations

1090 Vienna, Althanstrasse 14, Building UZA II, open plan stairs D to F

| Catia Cantada       | Cuefe as anatod asia mostin appropriistas for the appoints delivery of you control  | 1  |
|---------------------|---|----|
| Catia Contado       | Surface coated zein-pectin nanoparticles for the specific delivery of resveratrol   | 1  |
| Snežana Dordevic    | The behaviour of polyglutamic acid-based nanosystems within the assymetric flow field flow fractionation separation module  | 2  |
| Jeremie Parot       | Improved Analysis of IV Iron-Carbohydrate Complexes using Multidetector Asymmetrical-Flow Field Flow Fractionation  | 3  |
| Martin Berger       | Separation of protein nanoparticle mixtures in biologically relevant media  | 4  |
| Florian Meier       | Multi-Detector Field-Flow Fractionation for the characterization of liposomal drug formulations   | 5  |
| Soheyl Tadjiki      | Purification of protein solutions based on diffusion through a thin liquid barrier  | 6  |
| Iro Ventouri        | Asymmetrical Flow Field-Flow Fractionation and Size-Exclusion Chromatography for studying the aggregation behavior of enzymes of biotechnological interest  | 7  |
| Youngbeom Kim       | Exosomes separation in human serum using frit-inlet asymmetrical flow field-flow fractionation with multi-<br>angle light scattering  | 8  |
| Dongwoo Lee         | Cell separation using inflection point focusing   | 9  |
| Giuseppina Marzano  | Lab-on-chip for non-invasive sperm analysis and selection   | 10 |
| Florian Meier       | Electrical Asymmetrical Flow Field-Flow Fractionation for the analysis of size distribution, aspect ratio and surface charge of cellulose nanocrystals  | 11 |
| Evgen Multia        | Automated on-line isolation and fractionation of biomacromolecules  | 12 |
| Thierry Caebergs    | Assessing separation quality of AF4 by MALS and AFM for the measurement of size distribution of polydisperse nanoparticle samples   | 13 |
| Karl-Gustav Wahlund | The scientific evolution of a separation technique. Case study on AF4.  | 14 |
| Sinquin Corinne     | HPSEC and A4F coupled on-line with MALS: tools for the characterization of size and molecular weight of marine exopolysaccharides   | 15 |
| Upenyu Muza         | Thermal Field-Flow Fractionation with Quintuple Detection for the Comprehensive Analysis of Complex Polymers  | 16 |
| Robert Reed         | Investigation of Polyacrylamide Molecular Weight and Cross-Linking Using Thermal FFF Coupled to Multi-<br>Angle Light Scattering  | 17 |
| Bruce Gale          | Isolation of Ions using Electric Field Flow Fractionation (EIFFF)   | 18 |
| Myoungjae Ko        | Size fractionation of Graphene Oxide by Asymmetrical Flow Field-Flow Fractionation  | 19 |
| Florian Meier       | Characterization of nanoparticles and related metals in Tattoo ink using Asymmetrical Flow Field-Flow<br>Fractionation coupled to Multi Angle Light Scattering and Inductively-Coupled Plasma Mass Spectrometry | 20 |
| DongSup Song        | Monitoring of behavior of polystyrene particles stabilized with surfactants with different tail lengths using asymmetrical flow field-flow fractionation (AsFIFFF)  | 21 |
| Milica Velimirovic  | Nanoparticle characterisation using size exclusion chromatography hyphenated to inductively coupled-<br>plasma mass spectrometry  | 22 |
| Sofia Zoupanou      | Lab-on-chip for active selective separation   | 23 |
| Irina Alberg        | Separation and Characterization of Polymeric Nanoparticles with Neglectable Protein Corona using AF4  | 24 |
| Susanne Boye        | AF4-LS Characterization of smart polymers for sequence-selective binding, pulldown, and release of DNA t  | 25 |
| Martin Geisler      | Topology Analysis of Chain Walking Polymerized Polyethylene by Thermal Field-flow fractionation   | 26 |
| Martin Geisler      | Non-parabolicity correction for moderately and strongly distorted flow-profiles in Thermal FFF  | 27 |
| Zenchao You         | Separation and surface groups quantification of polystyrene nanoparticles using capillary electrophoresis and asymmetrical flow field flow fractionation  | 28 |