



Institute of Molecular Genetics  
and Genetic  
Engineering, University of  
Belgrade (IMGGE)



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**STREAMLINE**  
MODELING NEURODEVELOPMENTAL DISORDERS

## Workshop

### “State-of-the-art of stem cells-based research in NDDs”

**Organisers: Milena Stevanovic, Adrian Harwood, David Linden, Spyros Petrakis & Danijela Drakulic**

**July 8<sup>th</sup>-9<sup>th</sup>, 2022**

## Programme

**July 8<sup>th</sup>, 2022**

<b>9:00 – 10:00</b>	<b>Registration</b>
	<b>iPSCs as a powerful tool for brain disease modeling</b> <b>Chairmans: Milena Stevanovic, Danijela Drakulic</b>
<b>10:00 – 10:25</b>	Sarah Kittel –Schneider, University Hospital Wuerzburg “Modelling psychiatric disorders with iPSC”
<b>10:25 – 10:50</b>	Mouhamed Alsaqati, Cardiff University “Pharmacological restoration of connectivity deficits in neurons derived from ASD patients”
<b>10:50 – 11:15</b>	Gemma Wilkinson, Cardiff University “Probing the activity of CACNA1C in NDD”
<b>11:15 – 11:40</b>	<b>Coffee break</b>
<b>11:40 – 12:00</b>	Renzo Riemens, Maastricht University “Cell-specific molecular profiling of patient-derived neuronal cultures in sporadic Alzheimer’s disease”
<b>12:00 – 12:25</b>	Florence van Tienen, Maastricht University

<b>12:25 – 12:50</b>	<p>“Mesangioblasts in mitochondrial disorders” Emma Weir, Cardiff University “Modelling white matter deficits in neurodevelopmental disorders”</p>
<b>13:00 – 14:15</b>	<b>Lunch</b>
<b>Omics technologies and ethical, legal and social implications</b>	
<b>Chairmans: Friederike Ehrhart, Spyros Petrakis</b>	
<b>14:15 – 14:40</b>	<p>Laurence de Nijs, Maastricht University “Circulating non-coding RNAs as biomarkers”</p>
<b>14:40 – 15:05</b>	<p>Jamie Wood, Cardiff University “Dysregulation of miRNA in Kleefstra Syndrome”</p>
<b>15:05 – 15:30</b>	<p>Friederike Ehrhart, Maastricht University “Knowledge integration and systems biology tools for omics data analysis”</p>
<b>15:30– 15:50</b>	<b>Coffee break</b>
<b>15:50– 16:15</b>	<p>Spyros Petrakis, Centre for Research and Technology-Hellas “<i>In silico</i> and experimental identification of small molecules for drug development“</p>
<b>16:15 – 16:40</b>	<p>Panos Vorkas, School of Cardiovascular and Metabolic Medicine &amp; Sciences, King's College London “Metabolic profiling of patient serum and NDD cell models”</p>
<b>16:40 – 17:05</b>	<p>Dorothee Horstkötter, Maastricht University “Ethical, legal, and social implications (ELSI) of biomarker research in neuropsychiatry, an introduction”</p>

## July 9<sup>th</sup>, 2022

<b>NDDs research in Western Balkan</b>	
<b>Chairmans: Olivera Miljanovic, Andrijana Klajn</b>	
<b>10:00 – 10:20</b>	<p>Goran Cuturilo, University Children's Hospital, Belgrade; Faculty of Medicine, University of Belgrade “An overview of Serbian 22q11.2 research projects”</p>
<b>10:20 – 10:40</b>	<p>Silvana Markovska-Simoska, Neurophysiology Section, Sector for Neuroinformatics, Macedonian Academy of Sciences and Arts “NDD research in North Macedonia: current state and future perspectives”</p>
<b>10:40 – 11.00</b>	<p>Nina Maric, University Clinical Centre of the Republic of Srpska “NDDs research in the Republic of Srpska, Bosnia and Herzegovina”</p>
<b>11.00 – 11.20</b>	<p>Rossella Avagliano Trezza, Maastricht University “To the nucleus and back: UBE3A sub-cellular localisation and its critical role in Angelman Syndrome development”</p>

**11.20 – 11.40**

**Coffee break**

<b>Networking for NDDs research</b>	
<b>Chairmans: Goran Cuturilo, Natasa Kovacevic Grujicic</b>	
<b>11:40 – 12:00</b>	Adrian Harwood, Cardiff University “MINDDS connect”
<b>12:00 – 12:20</b>	Danijela Drakulic, Institute of Molecular Genetics and Genetic Engineering, University of Belgrade “Our way to STREAMLINE“
<b>12:20 – 12:40</b>	Milena Stevanovic, Institute of Molecular Genetics and Genetic Engineering, University of Belgrade “STREAMLINE project“
<b>12:40 – 13:00</b>	Natalia Teles, University of Porto “Ethical considerations on the use of patient’s iPSCs”
<b>13:00 -14:15                      Lunch</b>	

**Venue location:** Putnik Inn (Tulip Inn) Belgrade, Palmira Toljatija 9, 11070 Beograd

