

**PROGRAM  
TIMELINE**

International Conference

# Genome Editing

**BIOMEDICAL AND  
ETHICAL PERSPECTIVES**



**BELGRADE • 20-21 AUGUST • 2017**





# International Scientific Committee

## **Vojin Rakić, PhD**

Director of the Center for the Study of Bioethics

## **Arthur Caplan, PhD**

New York University's Langone Medical Center  
Associate Member of the Center for the Study of Bioethics

## **John Harris, PhD**

University of Manchester  
Associate Member of the Center for the Study of Bioethics

## **Mildred Z. Solomon, EdD**

President and CEO of The Hastings Center  
Advisory Board of the Center for the Study of Bioethics

## **Nicholas Agar, PhD**

University of Wellington  
Associate Member of the Center for the Study of Bioethics

## **Anders Sandberg, PhD**

University of Oxford  
Associate Member of the Center for the Study of Bioethics

## **Rob Sparrow, PhD**

Monash University  
Associate Member of the Center for the Study of Bioethics

## **Katrien Devolder, PhD**

University of Oxford  
Associate Member of the Center for the Study of Bioethics

## **Brendan Parent, PhD**

NYU School of Professional Studies

## **Josephine Johnston, PhD**

The Hastings Center

## **Carolyn Neuhaus, PhD**

NYU School of Medicine

# 20<sup>th</sup> August 2017

Time	Conference Hall A
8:30-9:00	Registration (Coffee available)
9:00-9:45	<b>Opening addresses (TBC)</b>  <b>Vojin Rakić</b> , Center for the Study of Bioethics  <b>Ana Brnabić</b> , Prime Minister of Serbia  <b>Arthur Caplan</b> , New York University's Langone Medical Center  <b>Mildred Z. Solomon</b> , The Hastings Center
9:45-11:30	<b>Panel I: Lectures of keynote speakers</b>  Chair: <b>Josephine Johnston</b> , The Hastings Center  <b>Arthur Caplan</b> , New York University's Langone Medical Center <i>Mice, men and supermen— where ought the ethical focus be?</i>
11:30-12:00	Coffee break
12:00-13:30	<b>Panel II: Impact of GE on future generations</b>  Chair: <b>Arthur Caplan</b> , New York University's Langone Medical Center  <b>Nicholas Agar</b> , Victoria University of Wellington <i>Why we should defend contemporary genetic medicine as eugenics</i>  <b>Vojin Rakić</b> , Center for the Study of Bioethics <i>Genome editing: Moral considerations for future generations</i>  <b>Rob Sparrow</b> , Monash University <i>People, progress, and products</i>
13:30-14:45	Lunch break

# 20<sup>th</sup> August 2017

Time	Conference Hall A	Conference Hall B
14:45-16:15	<p><b>Panel III: Values and Genes</b></p> <p>Chair: <b>Nicholas Agar</b>, Victoria University of Wellington</p> <p><b>Josephine Johnston</b>, The Hastings Center <i>Editing the Stork: Gene Editing and the “Good Parent”</i></p> <p><b>Mair Crouch</b>, University of Glasgow <i>Genetic modification and the welfare of the child</i></p> <p><b>Igor Milinković</b>, University of Banja Luka <i>Human genetic engineering, human dignity and law: National and international perspectives</i></p>	<p><b>Panel IV: GE in non-humans</b></p> <p>Chair: <b>Brendan Parent</b>, NYU School of Professional Studies</p> <p><b>Carolyn P. Neuhaus</b>, NYU School of Medicine <i>Genome editing with CRISPR in non-human organisms: What’s new and where are we headed?</i></p> <p><b>Marko Ahteensuu</b>, University of Turku <i>Genome Editing and Species Conservation Aims: Naturalness in Facilitated Adaptation and Assisted Migration</i></p> <p><b>Gardar Arnason</b>, University of Tübingen <i>The ethics of genome editing in non-human primates</i></p>
16:15-16:45	Coffee break	Coffee break
16:45-18:15	<p><b>Panel V: Decision making in the context of GE</b></p> <p>Chair: <b>Daniel Andler</b>, SND, Université Paris-Sorbonne</p> <p><b>Jana Zuscínova</b>, European Parliament <i>Good Governance of Human Genome Editing: Political Responsibility</i></p> <p><b>Joanna Smolenski</b>, City University of New York <i>Gene Drives and Genome Modification in Non-Human Animals: A Concern for Informed Consent?</i></p> <p><b>Anders Nordgren</b>, Linköping University <i>First-in-human trials on genome editing: Strategies for handling uncertainty about benefit and uncertainty about harm</i></p>	<p><b>Panel VI: GE for human enhancement</b></p> <p>Chair: <b>Christoph Rehmann-Sutter</b>, University of Luebeck</p> <p><b>Lucia Galvagni</b>, Bruno Kessler Foundation <i>Human enhancement and genome editing technologies: Any role for religion in the debate?</i></p> <p><b>Toni Pustovrh</b>, University of Ljubljana <i>Human Enhancement through Genome Editing: Some Glimpses of the Future Bioethical and Governance Landscapes regarding the use of Synthetic Biology Tools to Augment Our Capabilities</i></p> <p><b>Alexandre Erler</b>, University of Hong Kong <i>Genome editing at the intersection of prevention and enhancement</i></p>
19:30	Dinner	

# 21<sup>th</sup> August 2017

Time	Conference Hall A	Conference Hall B	Conference Hall C
9:00-10:30	<b>Round table: Discussion on Genome Editing by the Members of the International Scientific Committee</b>		
10:30-10:45	Coffee break		
10:45-12:15	<p><b>Panel VII: Discussing the debate</b></p> <p>Chair: <b>Brendan Parent</b>, NYU School of Professional Studies</p> <p><b>Anders Sandberg</b>, Future of Humanity Institute, Oxford Martin School, University of Oxford <i>Seceding from humanity? The ethics of technologically mediated speciation</i></p> <p><b>Oliver Feeney</b>, NUI Galway, Ireland <i>Editing the debate: Critically assessing the normative reactions to gene-editing</i></p> <p><b>Marta Spranzi</b>, Center for clinical ethics, Cochin Hospital (Paris) <i>On bio-technological revolutions: Can ethicists think in advance, and should they</i></p>	<p><b>Panel VIII: GE of the Germline</b></p> <p>Chair: <b>Rob Sparrow</b>, Monash University</p> <p><b>Nadia Primc</b>, University of Heidelberg <i>Manipulation in human germ lines: A severe intervention into human nature?</i></p> <p><b>Christoph Rehmann-Sutter</b>, University of Luebeck <i>The Germline as Intergenerational Relationship</i></p> <p><b>Sepe Segers, Heidi Mertes, Guido Pennings</b>, Ghent University <i>Genome editing and in vitro gametogenesis: The dawn of designer babies?</i></p>	<p><b>Panel IX: Redefining the notions of disease, benefit and harm</b></p> <p>Chair: <b>Katrien Devolder</b>, University of Oxford</p> <p><b>Milena Ugrin, Maja Stojiljkovic, Sonja Pavlovic</b>, University of Belgrade <i>Gene editing meets gene therapy of beta thalassemia syndromes</i></p> <p><b>Peter Sýkora</b>, University of Sts. Cyril and Methodius <i>Analysis of the gene therapy concept in the context of genome editing</i></p> <p><b>Milica Prostran</b>, University of Belgrade <i>Biosimilars: Switching and interchangeability</i></p>
12:15-13:45	Lunch break	Lunch break	Lunch break
13:45-15:15	<p><b>Panel X: Why edit embryos, if we can select them?</b></p> <p>Chair: <b>Anders Sandberg</b>, Future of Humanity Institute, Oxford Martin School, University of Oxford</p> <p><b>Katrien Devolder, Thomas Douglas</b>, University of Oxford <i>Gene editing, genetic selection and the benefit to the child</i></p>	<p><b>Panel XI: Regulating GE</b></p> <p>Chair: <b>Josephine Johnston</b>, The Hastings Center</p> <p><b>Daniel Andler</b>, Université Paris-Sorbonne <i>Towards a well-founded and realistic policy for genome editing technology</i></p>	<p><b>Panel XII: GE and the mind: past, present and future</b></p> <p>Chair: <b>Carolyn P. Neuhaus</b>, NYU School of Medicine</p> <p><b>Brendan Parent</b>, NYU School of Professional Studies <i>Using Psychology to Inform Ethics of Germline Engineering</i></p>

# 21<sup>st</sup> August 2017

Time	Conference Hall A	Conference Hall B	Conference Hall C
13:45-15:15	<p><b>Panel X: Why edit embryos, if we can select them?</b></p> <p><b>Blanca Rodríguez López</b>, Universidad Complutense de Madrid <i>Advantages of genetic manipulation over selection in the context of Procreative Beneficence</i></p> <p><b>Herjeet Marway</b>, University of Birmingham <i>Procreative justice, genetic selection and genome editing in the case of fair skin</i></p>	<p><b>Panel XI: Regulating GE</b></p> <p><b>Rachel Thompson, Michael McNamee, Bebhinn Donnelly-Lazarov</b>, Swansea University <i>Towards harmonization: Key concepts in international governance of biobank genomic research</i></p> <p><b>Quinn Walker</b>, Stanford Law School <i>Requiring Reversal: Gene Drives and the Impossibility of Regulation</i></p>	<p><b>Panel XII: GE and the mind: past, present and future</b></p> <p><b>Derek So</b>, McGill University <i>CRISPR in the Imagination: Concepts of Human Genome Editing, From the 1930s to the Present</i></p> <p><b>Maurizio Balistreri</b>, University of Turin <i>Genome editing and reproduction based on model embryos</i></p>
15:15-15:45	Coffee break	Coffee break	Coffee break
15:45-17:15	<p><b>Panel XIII: Equity and Equality</b></p> <p>Chair: <b>Oliver Feeney</b>, NUI Galway</p> <p><b>Hon-Lam Li</b>, Chinese University of Hong Kong <i>Genetic Enhancement and Fairness</i></p> <p><b>Nancy M. P. King</b>, Wake Forest School of Medicine <i>Gene Editing: Who (Really) Needs It?</i></p> <p><b>Erika Kleiderman, Bartha Maria Knoppers</b>, McGill University, Montreal <i>Gene editing in sport: The rise of the 'super athlete'?</i></p>	<p><b>Panel XIV: Genetic interventions and identity</b></p> <p>Chair <b>Marta Spranzi</b>, Center for clinical ethics, Cochin Hospital (Paris)</p> <p><b>Bjørn Hofmann</b>, The Norwegian University of Science and Technology (NTNU) at Gjøvik and The University of Oslo <i>The gene-editing of Super-ego</i></p> <p><b>Ivars Neiders</b>, Riga Stradiņš University <i>How Mitochondrial Replacement Affects Identity</i></p> <p><b>Martin Šolc, Petr Šustek</b>, Charles University <i>Gene editing in Down syndrome patients from the perspective of identity</i></p>	<p><b>Panel XV: Young researchers of the Center for the Study of Bioethics</b></p> <p>Chair: <b>Dejan Pejović</b>, CSB, Belgrade</p> <p><b>Jelena Dimitrijević</b>, CSB, Faculty of Philosophy, Belgrade University <i>Tailoring our biology with molecular scissors: Gene editing and evolution</i></p> <p><b>Ursela Barteczko</b>, CSB, Belgrade <i>Metabolic Engineering of Humans</i></p> <p><b>Danilo Polić</b>, CSB, Faculty of Philosophy, Belgrade University <i>Do we have a moral duty to use CRISPR/Cas9?</i></p>
17:30	Touristic tour through Belgrade		

# Genome Editing

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