

Second International Summit on Human Genome Editing

Convened by:

**The Academy of Sciences of Hong Kong
The Royal Society
U.S. National Academy of Sciences
U.S. National Academy of Medicine**

**Lee Shau Kee Lecture Centre
Centennial Campus
The University of Hong Kong**

November 27-29, 2018

Draft Agenda

Tuesday, 27 November 2018

7:30 am	Registration/Continental Breakfast
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8:30 am	Welcome, Introductions, and Opening Remarks
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Moderator: Summit Program Committee Chair **David Baltimore**,* California Institute of Technology

Speakers: **Carrie Lam**, Government of Hong Kong
Lap-Chee Tsui, The Academy of Sciences of Hong Kong
John Skehel,* The Royal Society
Victor Dzau, U.S. National Academy of Medicine

9:00 am	Advances In Our Understanding of Human Genes, Genomes, and Genetic Variation
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Moderator: *TBD*

Speakers: **Dana Carroll**, University of Utah
Pak C. Sham, University of Hong Kong

TBD

10:00 am	Discussion with Audience
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10:30 am	Break
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11:00 am	Social and Philosophical Perspectives on Human Control over Genetic Variation
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Moderator: **Kazuto Kato**,* Osaka University

Speakers: **Maurizio Balistreri**, Università degli Studi di Torino
Mohammed Ghaly, Hamad Bin Khalifa University
Tetsuya Ishii, Hokkaido University
Satoshi Kodama, Kyoto University
Margaret Sleeboom-Faulkner, University of Sussex

12:30 pm	Discussion with Audience
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1:00 pm	Lunch
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2:00 pm	The Science of Human Genome Editing
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Moderator: **Robin Lovell-Badge**,* The Francis Crick Institute

Speakers: **Jennifer Doudna**,* University of California, Berkeley
David R. Liu, Broad Institute
Angelo Lombardo, San Raffaele University
Feng Zhang, Broad Institute

3:30 pm	Discussion with Audience
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3:45 pm	Break
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4:15 pm	Roundtable on Governmental Actions and Advisory Opinions Related to Human Genome Editing (before and after 2015)
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Moderator: **Jennifer Merchant**,* Université Panthéon-Assas Paris

Speakers: **Hervé Chneiweiss**, École des Neurosciences Paris Île de France
So Yoon Kim, Yonsei University

TBD

5:30 pm

Discussion with Audience

6:00 pm

Adjourn

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Wednesday, 28 November 2018

8:00 am	Registration/Continental Breakfast
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8:30 am	Welcome and Overview of Day's Program
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Summit Program Committee Chair **David Baltimore**,* California Institute of Technology

8:45 am	Overview of Current Research and Clinical Applications: Pathways to Translation
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Moderator: *TBD*

Speaker: **George Q. Daley**,* Harvard Medical School

9:15 am	Discussion with Audience
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10:00 am	Break
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10:30 am	CASE STUDY 1: Blood Disorders (Sickle Cell, Thalessemia) – Basic and Translational Research (to include both somatic and germline editing)
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Moderator: *TBD*

Speakers:

Science: **Merlin Crossley**, University of New South Wales, Sydney
Junjiu Huang, Sun Yat-sen University
Matt Porteus,* Stanford University
Sivaprakash Ramalingam, Institute of Genomics and Integrative Biology

Societal Issues: **Vence L. Bonham Jr.**, National Human Genome Research Institute

TBD

11:45 pm	Discussion with Audience
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12:15 pm	Lunch
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2:30 pm	CASE STUDY 2: Muscular Dystrophy and Liver Metabolic Disease – Basic and Translational Research (to include both somatic and germline editing)
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Moderator: **Richard Hynes**, Massachusetts Institute of Technology

Speakers:

Science: **Eric Olson**, University of Texas Southwestern Medical Center
Adrian Thrasher, University College London

TBD

Societal Issues: *TBD*

3:15 pm	Discussion with Audience
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3:45 pm	Break
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4:15 pm

Research Ethics and Human Genome Editing

Moderator: **Alta Charo***, University of Wisconsin, Madison

Speakers: **Bärbel Friedrich**, Leopoldina
Andy Greenfield, Medical Research Council
Jeffrey Kahn, Johns Hopkins University
Warwick Anderson, University of Sydney

TBD

5:30 pm

Discussion with Audience

6:00 pm

Adjourn

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Thursday, 29 November 2018

7:00 am	Registration/Continental Breakfast
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8:00 am	Welcome and Overview of Day's Program
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Summit Planning Committee Chair **David Baltimore**,* California Institute of Technology

8:10 am	Global Perspectives on Somatic-based Therapy, Somatic Enhancement, and Germline Therapy and Enhancement
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Moderator: **Ayo Whalberg**, University of Copenhagen

Speakers: **Kevin G. Behrens**, University of the Witwatersrand
Guido De Wert, Maastricht University
Peter Mills, Nuffield Council on Bioethics
Yuko Harayama, Tohoku University

9:10 am	Discussion with Audience
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9:30 am	Identifying Basic Principles/Norms Going Forward
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Moderator: *TBD*

Speakers: **Sara Chan**, University of Edinburgh
Ames Dhai, University of the Witwatersrand

TBD

10:30	Discussion with Audience
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11:00 am	Break
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11:30 am	Public Engagement Efforts
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Moderator: *TBD*

Speakers: **Anna Middleton**, Wellcome Sanger Institute
Joy (Jueyue) Zhang, University of Kent
Megan Munsie, University of Melbourne
Masako Takuma, National Museum of Emerging Science and Innovation

12:00 pm	Discussion with Audience
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12:30 pm	Final Words - Program Committee
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12:45 pm	Discussion with Audience
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1:15 pm	Adjourn
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*Member of Summit Program Committee