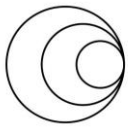


Virtual Conference Agenda

Start (BST)	Finish (BST)	Presenter details
Wednesday, 1 September 2021		
13:00	13:10	Welcome <i>Scientific programme committee:</i> John Doench, Broad Institute, USA Leopold Parts, Wellcome Sanger Institute, UK Lea Starita, University of Washington, USA Jolanda van Leeuwen, University of Lausanne, Switzerland
13:10	14:40	Session 1: Disease models Introduction to the session <i>Chair: Lea Starita, University of Washington, USA</i>
13:10	13:30	CRISPR editing coupled with high-throughput phenotyping to characterize human neural genes in zebrafish Megan Dennis, University of California, Davis, USA
13:30	13:50	A CRISPR-based screen for Hedgehog signaling: insights into ciliary function and ciliopathies Sascha Hoogendoorn, University of Geneva, Switzerland
13:50	14:00	Short talk selected from abstracts
14:00	14:10	Short talk selected from abstracts
14:10	14:40	Q&A <i>Chair: Lea Starita, University of Washington, USA</i> <i>Moderator: Jolanda van Leeuwen, University of Lausanne, Switzerland</i>
14:40	15:10	Break and spatial networking
15:10	16:00	Poster session I
15:10	15:30	Poster session I lightning talks
15:30	16:00	Poster session I
16:00	16:10	Break



Wednesday, 1 September 2021 continued

16:10 17:40 Session 2: Coding variation

Introduction to the session
Chair: John Doench, Broad Institute, USA

16:10 16:30 Interpreting the evolution of SARS-CoV-2
[Jesse Bloom, Fred Hutchinson Cancer Research, USA](#)

16:30 16:50 Targeted & Genome-wide screens in human pancreatic beta-cells to aid type 2
[Anna Gloyn, Stanford University, USA](#)

16:50 17:00 Short talk

17:00 17:10 Short talk

17:10 17:40 Q&A
Chair: John Doench, Broad Institute, USA
Moderator: Jolanda van Leeuwen, University of Lausanne, Switzerland

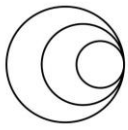
17:40 18:10 Break and spatial networking

18:10 19:00 Poster session II

18:10 18:30 Poster session II lightning talks

18:30 19:00 Poster session II

19:00 Optional spatial networking



Thursday, 2 September 2021

13:00 14:30 Session 3: Genetic interactions

Introduction to the session

Chair: Leopold Parts, Wellcome Sanger Institute, UK

13:00 13:20 Interrogation of cancer gene dependencies reveals novel paralog interactions of somatic and sex chromosome genes

[Barbara Mair, Boehringer-Ingelheim, Austria](#)

13:20 13:40 Systematic analysis of genetic interactions

[Jolanda van Leeuwen, University of Lausanne, Switzerland](#)

13:40 13:50 Short talk

13:50 14:00 Short talk

14:00 14:30 Q&A

Chair: Leopold Parts, Wellcome Sanger Institute, UK

Moderator: John Doench, Broad Institute, USA

14:30 15:00 Break and spatial networking

15:00 15:50 Poster session III

15:00 15:20 Poster session III lightning talks

15:20 15:50 Poster session III

15:50 16:00 Break

16:00 17:30 Session 4: Single cell

Introduction to the session

Chair: John Doench, Broad Institute, USA

16:00 16:20 Highly multimodal measurements of single cells

[Peter Smibert, NYU Genome/Immunai, USA](#)

16:20 16:40 CRISPR-based functional genomics for brain disorders

[Martin Kampmann, UCSF, USA](#)

16:40 16:50 Short talk

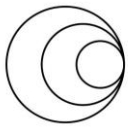
16:50 17:00 Short talk

17:00 17:30 Q&A

Chair: John Doench, Broad Institute, USA

Moderator: Lea Starita, University of Washington, USA

17:30 18:00 Break and spatial networking



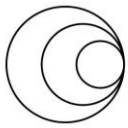
Thursday, 2 September 2021 continued

18:00 18:50 Poster session IV

18:00 18:20 Poster session IV lightning talks

18:20 18:50 Poster session IV

18:50 Optional spatial networking



Friday, 3 September 2021

13:00 14:30 Session 5: Emerging technologies and models

Introduction to the session

Chair: Jolanda van Leeuwen, University of Lausanne, Switzerland

13:00 13:20 A toolkit for CRISPR-based functional genomics in fungal pathogens

[Rebecca Shapiro, University of Guelph, Canada](#)

13:20 13:40 Delivering insights into organ homeostasis and regeneration through in vivo genome-

[Kristen Knouse, Whitehead Institute for Biomedical Research, USA](#)

13:40 13:50 Short talk

13:50 14:00 Short talk

14:00 14:30 Q&A

Chair: Jolanda van Leeuwen, University of Lausanne, Switzerland

Moderator: Leopold Parts, Wellcome Sanger Institute, UK

14:30 15:00 Break and spatial networking

15:00 15:50 Poster session V

15:00 15:20 Poster session V lightning talks

15:20 15:50 Poster session V

15:50 16:00 Break

16:00 17:30 Session 6: Regulatory variation

Introduction to the session

Chair: Lea Starita, University of Washington, USA

16:00 16:20 Immune disease variants regulate gene expression dynamic during T cell activation

[Gosia Trynka, Wellcome Sanger Institute, UK](#)

16:20 16:40 Dissecting gene regulatory logic with targeted Perturb-seq

[Lars Velton, Centre for Genomic Regulation \(CRG\) Barcelona, Spain](#)

16:40 16:50 Short talk

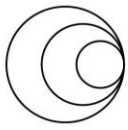
16:50 17:00 Short talk

17:00 17:30 Q&A

Chair: Lea Starita, University of Washington, USA

Moderator: Leopold Parts, Wellcome Sanger Institute, UK

17:30 18:00 Break and spatial networking



Friday, 3 September 2021 continued

18:00 18:50 Poster session VI

18:00 18:20 Poster session VI lightning talks

18:20 18:50 Poster session VI

18:50 19:00 Closing remarks

Scientific Programme Committee:

[*John Doench, Broad Institute, USA*](#)

[*Leopold Parts, Wellcome Sanger Institute, UK*](#)

[*Lea Starita, University of Washington, USA*](#)

[*Jolanda van Leeuwen, University of Lausanne, Switzerland*](#)