



Genopri Program

For more information (talk abstracts) [[here](#)]

Monday 21st October

12:30 – 13:00 Registration

13:00 – 13:20 Welcome and Opening Remarks

13:20 – 14:20 Keynote

- **Bonnie Berger**, *Massachusetts Institute of Technology (USA)*

14:20-15:05 Presentation Session 1: "People" (*Session Chair: Madeleine Murtagh*)

- **Genetic Discrimination and Privacy in the Big Data Era**, Calvin WI Ho, *National University of Singapore (Singapore)*
- **Learning from experiments in citizen involvement in health research data governance**, Richard Milne, *Society and Ethics Research, Wellcome Genome Campus (UK)*
- **Is perception reality when it comes to genetic privacy online?**, Anelka Phillips, *University of Waikato (New Zealand)*; and Jan Charbonneau, *University of Tasmania (Australia)*.

15:05 – 15:35 Coffee Break

15:35 – 16:20 Presentation Session 2: "Regulation" (*Session Chair: Mavis Machirori*)

- **GDPR consent requirements and other legal bases for processing**, Irith Kist, *Netherlands Cancer Institute*

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- **Global Privacy Laws and Genetics Laboratories: A Practical Approach to Compliance**, Michael Hamilton, *Invitae Corporation (USA)* and Jiayan Chen, *McDermott Will & Emery LLP (USA)*
- **A Conversation with US Senate leaders on Genomic Privacy**, Rosalyn Ryan

16:20 – 17:00 Invited Plenary Talk

- **Ted Dove**, *Edinburgh University (UK)*

17:00 Close

Tuesday 22 October

8:25 Welcome

8:30 – 9:30 Panel session

Researcher Identities & Access Claims: towards a standard for automated data access

Panel: David Bernick, *Broad Institute (USA)*, Stephanie Dyke, *McGill University (Canada)*,

Jonathan Lawson, *Broad Institute (USA)*, Craig Voisin, *Google Inc. (Canada)*

9:30 – 10:15am Presentation Session 3: *(Session Chair: Xiaoqian Jiang)*

- **Enhancing open data sharing for functional genomics experiments: Measures to quantify genomic information leakage & identify file formats for privacy preservation**, Mark Gerstein, *Yale University (USA)*
- **Zero Knowledge Proofs for Accurate, Privacy-Preserving, Fraud Free Genomic Databases**, Adriaan Larmuseau*, Alex Mankovich**, Yee Him Cheung** and Mike Qu*, **Philips Research, Shanghai (China)*, ***Philips Research, Massachusetts (USA)*
- **Privacy-Preserving Processing of DNA reads based on Filtering**, Maria Fernandes*, Jérémie Decouchant*, Marcus Völp*, Francisco M Couto** and Paulo Esteves-Verissimo*, **University of Luxembourg (Luxembourg)*; ***Universidade de Lisboa (Portugal)*

10:15 – 10:45 *Coffee Break*

10:45 – 11:30 Presentation Session 4: "Tools" *(Session Chair: Jean-Louis Raisaro)*

- **Secure Data Sharing Network for Clinical Somatic Variant Insights**, Christine Bakan, *Roche Sequencing Solutions (USA)*
- **xACS: Management of privacy in genomic and medical information**, Jaime Delgado, Silvia Llorente and Daniel Naro, *Universitat Politècnica de Catalunya (UPC), Barcelona (Spain)*

- **DAISY – a tool for accountability of processing sensitive data in research under the European General Data Protection Regulation (GDPR)**, Regina Becker, Pinar Alper, Valentin Groues, Sandrine Munoz, Yohan Jarosz, Jacek Lebioda, Kavita Rege, Christophe Trefois, Venkata Pardhasaradhi Satagopam and Reinhard Schneider, *Université du Luxembourg (Luxembourg)*
- **MedCo2: Privacy-Preserving Cohort Exploration and Analysis**, David Froelicher*, Mickaël Misbach*, Juan Ramón Troncoso-Pastoriza*, Jean Louis Raisaro**, and Jean-Pierre Hubaux*, **École Polytechnique Fédérale de Lausanne (EPFL), **Lausanne University Hospital (CHUV), Switzerland*

11:30 - 11:40 Lightning Session (*Session Chair: Jean-Pierre Hubaux*)

- **Dawn Song** (UC Berkeley): "Privacy Computing and Data Rights Control"
- **Miran Kim** (UT Health): "Efficient multi-key homomorphic encryption and application to neural network inference"

11:40-12:20 Invited Plenary Talk and Rapporteur feedback on Day 1

- **Mwenz Blell**, *Newcastle University, (UK)* Beyond concern? Reflecting on genomic data and the times in which we live

12:10 – 12:25 Event feedback

12:25 – 12:30 Wrap up and Close

12:30 – 13:30 Lunch