



8:30-8:40 a.m.	Opening Remarks
8:40-9:15 a.m.	<p>Paper Session 1: Privacy-Preserving Personalized Medicine</p> <ul style="list-style-type: none"> • Secure Count Query on Encrypted Genomic Data <i>Mohammad Zahidul Hasan (University of Manitoba), Md Safiur Rahman Mahdi (University of Manitoba), and Noman Mohammed (University of Manitoba)</i> • Privacy-Preserving Genetic Relatedness Test <i>Emiliano De Cristofaro (University College London), Kaitai Liang (Aalto University), and Yuruo Zhang (University College London)</i>
9:15-10:10 a.m.	Morning Keynote: Truth in the Era of Big Data in Health <i>Christian Lovis (University Hospitals of Geneva)</i>
10:10-10:30 a.m.	Coffee Break
10:30-11:10 a.m.	<p>Tutorial: Where Are We Now? An overview of the existing efforts on security/privacy of genomic data <i>Mohammad Naveed (University of Southern California)</i></p>
11:10-12:10 p.m.	<p>Panel 1: Ethics, Policy, and Legislation</p> <ul style="list-style-type: none"> • <i>Ellen Clayton (Vanderbilt University)</i> • <i>David Liebovitz (University of Chicago)</i> • <i>Maureen Smith (Northwestern University)</i>
12:10-1:10 p.m.	Lunch Break
1:10-2:10 p.m.	<p>Paper Session 2: Privacy-Preserving Research Methods</p> <ul style="list-style-type: none"> • Privacy-Preserving Exploration Of Genetic Cohorts With i2b2 At Lausanne University Hospital <i>Gwangbae Choi (EPFL), Jean Louis Raisaro (EPFL), Sylvain Pradervand (CHUV), Raphael Colsenet (CHUV), Nathalie Jacquemont (CHUV), Nicolas Rosat (CHUV), and Jean-Pierre Hubaux (EPFL)</i> • Implementation and Evaluation of an Algorithm for Cryptographically Private Principal Component Analysis on Genomic Data <i>Dan Bogdanov (Cybernetica AS), Liina Kamm (Cybernetica AS), Sven Laur (University of Tartu), and Ville Sokk (Cybernetica AS)</i> • Private Computation with Genomic Data for Genome-Wide Association and Linkage Studies <i>Ali Shahbazi (University of Notre Dame), Fattaneh Bayatbabolghani (University of Notre Dame), and Marina Blanton (University at Buffalo, The State University of New York)</i>
2:10-3:10 p.m.	Afternoon Keynote: Providing Genomic Variants in a Biobank Portal <i>Shawn Murphy (Harvard Medical School, Partners HealthCare)</i>
3:10-3:30 p.m.	Coffee Break
3:30-4:30 p.m.	<p>Paper Session 3: Risks and Quantification of Privacy</p> <ul style="list-style-type: none"> • Quantifying Genomic Privacy in Genetic Test Results <i>Hiromi Arai (The University of Tokyo), Jun Sakuma (Tsukuba University, JST CREST), and Koji Tsuda (The University of Tokyo, JST CREST)</i> • Understanding Interdependent Privacy Concerns and Likely Use Factors for Genetic Testing: A Vignette Study <i>Jake Weidman (Pennsylvania State University), William Aurite (Pennsylvania State University), and Jens Grossklags (Pennsylvania State University)</i> • Simulating the Large-Scale Erosion of Genomic Privacy Over Time <i>Michael Backes (CISPA, Saarland University, MPI-SWS), Pascal Berrang (CISPA, Saarland University), Mathias Humbert (CISPA, Saarland University), Xiaoyu Shen (CISPA, Saarland University), Verena Wolf (CISPA, Saarland University)</i>
4:30-5:30 p.m.	<p>Panel 2: The Future of Genomics and Privacy in the Clinic and Industry</p> <ul style="list-style-type: none"> • <i>Dan Bogdanov (Cybernetica)</i> • <i>Abel Kho (Northwestern University)</i> • <i>Kim Laine (Microsoft)</i>
5:30-5:40 p.m.	Closing Remarks



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