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KREMBIL FOUNDATION

2020 GAIRDNER ONTARIO INTERNATIONAL SYMPOSIUM BREAKING THROUGH: DELIVERING ON THE PROMISE OF GENE THERAPY

The Ottawa

Research Institute

Hospital

L'Hôpital

d'Ottawa

Institut de recherche

WEDNESDAY, DECEMBER 2, 2020 **Register now:** breaking-through.ca WELCOME AND OPENING REMARKS 11:00 - 11:05 am Janet Rossant, PhD, C.C., FRSC, President, Gairdner Foundation (Toronto, ON) 11:05 - 11:45 am LIVING DRUGS: CAR T CELLS, FIRST FDA-APPROVED **GENETICALLY ENGINEERED CELL THERAPY** Michel Sadelain, MD, PhD, Director, Center for Cell Engineering, Sloan Kettering Institute (New York, USA) **TURNING GENES INTO MEDICINES: HIGHLIGHTS** 11:45 - 12:25 pm AND HURDLES IN DEVELOPMENT OF GENE THERAPIES FOR GENETIC DISEASE Katherine A. High, MD, Professor Emerita, Perelman School of Medicine of the University of Pennsylvania; Co-founder and former President and Head of R&D, Spark Therapeutics; Visiting Professor, Rockefeller University (Philadelphia, USA) 12:45 - 1:30 pm EQUITY AND SUSTAINABILITY IN CANADIAN ACCESS **TO GENE THERAPY INNOVATIONS** Christopher McCabe, PhD, CEO and Executive Director, Institute of Health Economics (Edmonton, AB) **GENE THERAPIES AND THE COMMON GOOD:** 1:30 - 2:10 pm A PATH TO REASONABLE PRICING? Michel Goldman, MD, PhD, Emeritus professor and Founder of the Institute for Interdisciplinary Innovation in healthcare, Université libre de Bruxelles (Brussels, BE) 2:10 - 2:15 pm **CLOSING REMARKS** Duncan J. Stewart, MD, FRCPC, FCAHS, Executive Vice-President, Research, The Ottawa Hospital; Professor, University of Ottawa (Ottawa, ON)



THURSDAY, DECEMBER 3, 2020



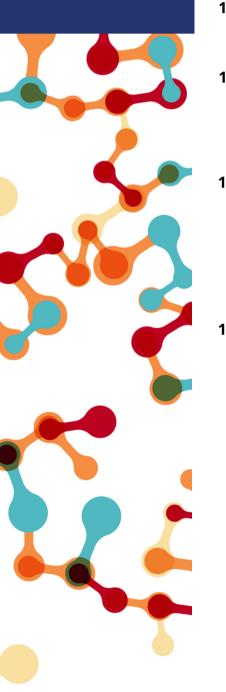
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2020 GAIRDNER ONTARIO INTERNATIONAL SYMPOSIUM BREAKING THROUGH: DELIVERING ON THE PROMISE OF GENE THERAPY



11:00 - 11:10 am OPENING REMARKS Eric M. Meslin, PhD, FRSC, FCAHS, President and CEO, Council of Canadian Academies (CCA) (Ottawa, ON)

11:10 - 11:30 am LEAVE NO ONE BEHIND: MULTIPLE PATHWAYS FOR ACCESS TO TRANSFORMATIVE THERAPIES

Durhane Wong-Rieger, PhD, President and CEO, Canadian Organization for Rare Disorders (Toronto, ON)

11:30 - 11:50 am MAIN FINDINGS FROM THE CCA'S EXPERT PANEL ON THE APPROVAL AND USE OF GENE THERAPIES IN CANADA

Janet Rossant, PhD, C.C., FRSC, President, Gairdner Foundation; Chair, Expert Panel on the Approval and Use of Somatic Gene Therapies in Canada (Toronto, ON)

11:50 am - 12:15 pm DISCUSSION WITH THE CCA'S EXPERT PANEL ON THE APPROVAL AND USE OF SOMATIC GENE THERAPIES IN CANADA

<u>Moderator</u>: **Eric M. Meslin,** PhD, FRSC, FCAHS, President and CEO, Council of Canadian Academies (CCA) (Ottawa, ON)

Janet Rossant, PhD, C.C., FRSC, President, Gairdner Foundation (Toronto, ON)

Harold Atkins, MD, FRCPC, Physician, The Ottawa Hospital; Scientist, Ottawa Hospital Research Institute (Ottawa, ON)

William Charnetski, LLB, Executive Vice President, Health System Solutions and Government Affairs, PointClickCare; Former Chief Health Innovation Strategist, Government of Ontario (Toronto, ON)

Ubaka Ogbogu, LLB, SJD, Associate Professor, Faculties of Law and Pharmacy and Pharmaceutical Sciences, University of Alberta (Edmonton, AB)









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12:25 - 1:20 pm **GENE THERAPY: THE CANADIAN CONTEXT**

Presented by: The National Research Council of Canada

Moderator: Danica B. Stanimirovic, MD, PhD, Director Research, Translational Bioscience, National Research Council of Canada (Ottawa, ON)

GLYBERA REINVENTED: A WINDING STORY OF COMMITMENT, CREATIVITY, AND INNOVATION

Michael Hayden, MB, ChB, PhD, FRCP(C), FRSC, C.M., O.B.C, University Killam Professor, Senior Scientist, Centre for Molecular Medicine and Therapeutics, Department of Medical Genetics, University of British Columbia (Vancouver, BC)

GENOME EDITING AND THE PROMISE FOR FUTURE THERAPIES

Ronald Cohn, MD, FACMG, FCAHS, President and CEO, The Hospital for Sick Children (SickKids) (Toronto, ON)

CHALLENGES IN THE ADOPTION OF REGENERATIVE **MEDICINE THERAPIES**

Murray Krahn, MD, MSc, Professor and Tier 1 Canada Research Chair, University of Toronto, Director, THETA (Toronto Health Economics and Technology Assessment Collaborative) (Toronto, ON)

THE RIGHT TO SCIENCE AND SOMATIC **CONUNDRUMS**

Bartha Maria Knoppers, PhD, O.C., O.Q., FRSC, FCAHS, Full Professor and Director, Centre of Genomics and Policy, Faculty of Medicine, Human Genetics, McGill University (Montréal, QC)







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1:40 - 2:40 pm COMING SOON: THE FUTURE OF GENE EDITING AND GENE THERAPIES

Presented by: Genome Canada

<u>Moderator</u>: **Rob Annan**, PhD, President and CEO, Genome Canada (Ottawa, ON)

R. Alta Charo, J.D., Warren P. Knowles Professor of Law & Bioethics, University of Wisconsin Law School (Madison, USA)

Jay Ingram, C.M., Science broadcaster and writer, Former Co-Host, Discovery Channel's "Daily Planet" (Calgary, AB)

Vardit Ravitsky, PhD, FCAHS, Full Professor, Bioethics Program, Department of Social and Preventative Medicine, School of Public Health, Université de Montréal; President, International Association of Bioethics (Montréal, QC)

Janet Rossant, PhD, C.C., FRSC, President, Gairdner Foundation (Toronto, ON)

2:40 - 2:45 pm CLOSING REMARKS

Eric M. Meslin, PhD, FRSC, FCAHS, President and CEO, Council of Canadian Academies (CCA) (Ottawa, ON)