

5th Seattle Children's and Microsoft SIDS Research Summit – April 28-29, 2022

Day One: Thursday, April 28th		
8:00-8:10	Welcome to the SIDS Summit! Introduction and Overview	John Kahan, Chief Data Analytics Officer Emeritus at Microsoft and President of Aaron Matthew SIDS Research Guild of Seattle Children's
8:10-8:20	Partnership between Seattle Children's and Microsoft	Juan Lavista, VP and Chief Data Scientist, AI for Good Research Lab, Microsoft
Session 1: Infant Mortality		
8:20-8:40	The English National Child Mortality Database: Insights from Identifying and Investigating <u>all</u> Deaths of Infants and Children from Birth to Age 18	Vicky Sleep, Programme Manager for the NCMD, on behalf of Peter Fleming, MD, PhD, University of Bristol, UK
8:40-9:00	Risk of Postneonatal Infant Mortality Associated with Prior Founded Allegations of Child Abuse	Fern Hauck, MD, University of Virginia School of Medicine
9:00-9:20	Post-discharge Mortality Predictive Modeling in Children with Sepsis: A Case Study in Uganda	Shahrazad Gholami, PhD, Applied Research Scientist, AI for Good Research Lab, Microsoft
Session 2: Promoting Safe Infant Care Awareness Part 1		
9:20-9:40	Who's In Charge? Keeping Children Safe When Adults are Drinking Alcohol	Joanna Garstang, PhD, Warwick Medical School, UK
9:40-10:00	Toward automated detection of infant movement anomalies: an initial proof of concept	Darren Tanner, PhD, Applied Research Scientist, AI for Good Research Lab, Microsoft
10:00-10:20	Detecting Retinopathy of Prematurity in Latin America using AI	Anthony Ortiz, PhD, Applied Research Scientist, AI for Good Research Lab, Microsoft
10:20-10:40	Helping Families Navigate Safe Sleep and Breastfeeding Recommendations: Results From the SMART Study	Ann Kellams, MD, IBCLC, FAAP, FABM, University of Virginia
10:40-11:00	Break	
Session 2: Promoting Safe Infant Care Awareness Part 2		
11:00-11:20	SUID: Perception and Risk	Rachel Moon, MD, University of Virginia School of Medicine
11:20-11:40	Biomechanics Techniques to Help Inform Infant Product Safety	Erin Mannen, PhD, Boise State University
11:40-12:00	Developing States, Initiative for Education Programs and Awareness Campaigns; What is the role of social media?	Shereen Hamadneh, PhD, AABU University
12:00-12:20	New Ways to Promote Safe Sleep Campaigns	Allegra Bonomi, President, Semi per la SIDS ONLUS, The Italian Parents Association
12:20- 12:40	Reconstructing the Paradigm of Safe Sleep Messaging	Alison Jacobson, CEO, First Candle
12:40-13:00	Cribs for Kids National Infant Safe Sleep Hospital Certification Program: Putting Evidence into Practice	Devon George, MSN, RN, Cribs for Kids
Session 3: Insights into the Physiological and Pathological Determinants of SUID Part 1		
13:00-13:20	Non-invasive Support for Breathing and Blood Pressure in Infancy	Ron Harper, PhD, University of California, LA
13:20-13:40	Revisiting the Neuropathology of SIDS	José Otero, MD, PhD, Ohio State College of Medicine
13:40- 14:00	Morphology of the Brain Dentate Gyrus in a Large Australian SUDI Cohort	Rita Machaalani, PhD, University of Sydney
Epidemiology: Retrospective Presentation		
14:00-14:20	SIDS Research: My 40 Year Journey	Ed Mitchell, MD, DSc, University of Auckland, NZ

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Day Two: Friday, April 29th		
Session 4: Insights into the Physiological and Pathological Determinants of SUID Part 2		
8:00 - 8:20	Undiagnosed Diabetes Mellitus Presenting as Sudden Unexpected Death	Marta Cohen, OBE, MD, FRCPath, DMJ (Pathol), Dip Med Ed, Sheffield Children's
8:20 - 8:40	The Neurophysiological and Neuroanatomical Characteristics of the Rostral Medulla	Nino Ramirez, PhD, Director, Center for Integrative Brain Research, Seattle Children's Research Institute
8:40 - 9:00	Role of Serotonin Receptors in Dysfunctional Autoresuscitation in Rostral Medulla in SIDS	Hannah Kinney, MD, Boston Children's Hospital
9:00 - 9:20	Biomarkers Of SIDS: A Concept for Identifying SIDS Risk and Understanding Pathological Mechanisms	Robin Haynes, PhD, Boston Children's Hospital
9:20 - 9:40	Transcriptomics in SIDS	Robin Haynes, PhD, and Ben Okaty, PhD, Boston Children's Hospital
9:40 - 10:00	Mechanistic Insights into HADHA: A Genetic Marker of SIDS	Hannele Ruohola-Baker, PhD, UW School of Medicine
10:00 -10:20	Sexually Transmitted Diseases and SIDS	Anusua Trivedi, Senior Scientist, AI for Good Research Lab, Microsoft
10:20 -10:40	Break	
Session 5: Genetics		
10:40 -11:00	Findings from the Open Genomics Database: Combining Data and Medical Sciences	Erdal Cosgun, PhD, Microsoft Genomics, and Nino Ramirez, PhD, Seattle Children's Research Institute
11:00 -11:20	Genetic Determinants of Sudden Unexpected Death in Pediatrics	Richard Goldstein, MD, Boston Children's Hospital
11:20 -11:40	Discovery of New Genes in SIDS	Catherine Brownstein, MPH, PhD, Harvard Medical School
11:40 -12:00	Biochemical, Immunological and Genetic Studies in SIDS – Clues for a Vicious Circle?	Torleiv Ole Rognum, MD, PhD and Siri Opdal, PhD, University of Oslo
Session 6: Programmatic Efforts in SUID Research		
12:00 -12:20	From the Clinic to the Bench and Back; Building a Translational SIDS/SUID/SUDC Program: The Baylor College of Medicine Initiative	Russell Ray, PhD, Baylor College of Medicine
12:20 -12:40	Genetic Efforts Discussion Session: Roberts Program Aaron Matthew SIDS Guild	Moderator: Nino Ramirez Russell Ray, Richard Goldstein, and participants
12:40 -13:00	Grant Opportunities in SUID Research	Carl Hunt, MD, Director for American SIDS Institute and Betty McEntire, PhD, CEO American SIDS Institute
Session 7: Pathology		
13:00-13:20	You Don't Know Where You're Going Unless You Understand Where We've Been	Deborah Robinson, CEO, SUID Investigations WA State Criminal Justice Training Commission, SUID investigations, Contract instructor
13:20-13:40	Where to Pathology? - Definitions, Diagnoses and Dustbins	Roger Byard, PhD, MD, DSc, University of Adelaide
13:40-14:00	Closing Remarks	John Kahan and Nino Ramirez

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