

6th Seattle Children's and Microsoft SIDS Research Summit – April 26-27, 2023

Day One: Wednesday, April 26th		
9:00 - 9:10	Welcome to the SIDS Summit! Introduction and overview	John Kahan, President of Aaron Matthew SIDS Research Guild of Seattle Children's
9:10 - 9:20	AI for Good	Juan Lavista, Chief Data Scientist, Director, AI for Good, Microsoft
9:20 - 9:30	Integrated approach to SIDS research	Jan-Marino (Nino) Ramirez, PhD, Director, Center for Integrative Brain Research (CIBR) at Seattle Children's Research Institute
Session 1: Infant Mortality		
9:30 - 10:00	Cardiac disorders which are associated with sudden death	Carol Ann Remme, MD, PhD, Department of Clinical and Experimental Cardiology, Amsterdam UMC
10:00 - 10:20	The English national child mortality database: insights from identifying and investigating <u>all</u> deaths of infants and children from birth to age 18	Peter Fleming, MD, PhD, University of Bristol, UK
10:20 - 10:40	It worked before, so why aren't SUID rates decreasing now?	Ed Mitchell DSc, University of Auckland, NZ
10:40 - 11:00	Break	
11:00 - 11:20	Risk factors for late stillbirth in the United States, 2014-2015	Darren Tanner, PhD, Applied Research Scientist, AI for Good Research Lab, Microsoft
11:20 - 11:40	The increased vulnerability of the black infant in the pandemic: what's changed and why?	Barbara M. Ostfeld, PhD, Department of Pediatrics Program Director, SIDS Center of New Jersey, Rutgers Medical School
11:40 - 12:00	Welcome to the ISPID international conference on stillbirth, SIDS and SUDI. Florence, October 6-8 2023	Allegra Bonomi, President, Semi per la SIDS ONLUS, The Italian Parents Association
12:00 - 13:00	Lunch	
Session 2: Promoting Safe Infant Care Awareness		
13:00 - 13:20	Healthcare provider safe sleep education for families and caregivers	Devon George, MSN, RN, and Kelly James, Cribs for Kids
13:20 - 13:40	Risk of postneonatal infant mortality associated with prior founded allegations of child abuse	Fern Hauck, MD, University of Virginia School of Medicine
13:40 - 14:00	Study of attitudes and factors effecting preterm infant care practices (SAFE PREP)	Rachel Moon, MD, University of Virginia School of Medicine
14:00 - 14:20	Break	
14:20 - 14:40	Moving the needle on bed-sharing and SUID: parents' perspectives on the Pepi Pod®	Fern Hauck, MD, University of Virginia School of Medicine, USAM, Marisa Abbe, PhD, Utah School of Public Health, Wendy Middlemiss, PhD, University of North Texas
14:40 - 15:00	Community driven program to effectively address racial disparities in SUID	Alison Jacobsen, CEO, First Candle
15:00 - 15:20	Power of a story: the role of SUID review teams in infant death prevention	Kindra Ahmann, RN, BSN, Pierce County SUID Review and Prevention Team Coordinator Tacoma-Pierce County Health Dept
15:20 - 15:40	Sudden infant death syndrome and the diaphragm: Is there a link?	Pontus Siren, Independent researcher, Crassier Switzerland
Session 3: Insights into the Physiological and Pathological Determinants of SUID Part 1		
15:40 - 16:00	Unravelling the risk factor of prone sleep position	Paul Goldwater, PhD, Adelaide Medical School University of Adelaide South Australia
16:00 - 16:20	Contribution of SIDS risk factors on brain pathology	Rita Machaalani, PhD, University of Sydney

This Summit is hosted by Dr. Nino Ramirez, Director of the Center for Integrative Brain Research, Seattle Children's, John Kahan, President of Aaron Matthew SIDS Research Guild of Seattle Children's, and Juan Lavista, Vice President and Chief Data Science Officer, Microsoft.

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Day Two: Thursday, April 27th		
Session 4: Insights into the Physiological and Pathological Determinants of SUID Part 2		
8:00 – 8:20	A multidisciplinary approach towards understanding the causes of sudden death in infancy and later in life	Nino Ramirez, PhD, Director, CIBR, Seattle Children's Research Institute
8:20 – 8:40	Insights from genomics data/Terra platform	Erdal Cosgun, PhD, Data Scientist, Microsoft
8:40 – 9:00	Norwegian death scene investigation method	Torleiv Ole Rognum, MD, PhD, University of Oslo
9:00 – 9:20	Elucidating the cerebellar spatial transcriptome in term and preterm infants with SIDS	Panagiotis Kratimenos, MD, PhD, Children's National Hospital
9:20 – 9:40	Outcomes of the implementation of a national protocol to investigate sudden unexpected death in infancy and childhood	Marta Cohen, OBE, MD, FRCPath, DMJ (Pathol), Dip Med Ed, Sheffield Children's, UK
9:40 – 10:00	Crossroads (and inroads!) between medical examiner systems and academic research	Melissa Blessing, DO, Texas Children's Hospital and Baylor College of Medicine
10:00 - 10:20	Break	
10:20-10:40	Exploring genetic and physiological explanations of SUID and sudden deaths in the young	Heather MacLeod and Alexa Erck, MPH, Program Manager, Sudden Unexpected Infant Death and Sudden Death in the Young Case Registry
10:40 – 11:00	An update on a SIDS subset as a serotoninopathy	Hannah Kinney, MD, Boston Children's Hospital, Harvard Medical School
11:00 – 11:20	Brainstem microRNAs in SIDS – a pilot analysis	Robin Haynes, PhD, Boston Children's Hospital, Harvard Medical School
11:20 – 11:40	Brainstem transcriptomics in SIDS	Ben Okaty, PhD, Boston Children's Hospital, Harvard Medical School
11:40 – 12:00	Genetic copy number variation in SUDP	Catherine Brownstein, PhD, MPH, Boston Children's Hospital, Harvard Medical School
12:00 – 13:00	Lunch	
Session 5: Animal Models		
13:00 – 13:20	Bridging the clinic and the lab; considerations for in-vivo SIDS/SUID animal modeling	Russell Ray, PhD, Baylor College of Medicine
13:20 – 13:40	Automation of the neonate autoresuscitation assay and its analyses	Christopher Ward, PhD, Baylor College of Medicine
13:40 – 14:00	Interactions of 5-HT and NA in autoresuscitation	Savannah Lusk, PhD, Baylor College of Medicine
14:00 – 14:20	High throughput screening for genes important in neonate autoresuscitation	Dipak Patel, PhD candidate, Baylor College of Medicine
14:20 – 14:40	Rapid precision modeling of SIDS associated risk factors	Nicoletta Memos, PhD, Baylor College of Medicine
14:40 - 15:00	Break	
Session 6: SIDS, SUDEP and Broader Research Implications		
15:00 - 15:20	SUDEP in the area of precision medicine	Franck Kalume, PhD, Seattle Children's Research Institute
15:20 - 15:40	Mechanistic insights into HADHA: A genetic marker of SIDS	Hannele Ruohola-Baker, PhD, University of Washington School of Medicine
15:40 - 16:00	Sudden Death in Epilepsy in Mouse Model	Dan Mulkey, PhD, University of Connecticut
16:00 - 16:20	American SIDS Institute and SIDS-related Research Funding	Carl Hunt, MD, Director for American SIDS Institute
16:20 - 16:40	Covid impact on birth factors:An introductory investigation	Richard Johnston, PhD, Data Scientist, Microsoft
16:40 - 17:00	AI for health projects	Bill Weeks, MD, PhD, MBA, Director, AI for Health, Microsoft
17:00 - 17:15	Closing Remarks	John Kahan, President of Aaron Matthew SIDS Research Guild of Seattle Children's and Nino Ramirez, PhD, CIBR, Seattle Children's

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