

Seattle Children's and Microsoft SIDS Research Summit – November 20-21, 2017

Welcome to the Summit! Thank you for your participation and for traveling here to be a part of this shared learning and collaboration. Our hope is that this two-day summit will accelerate everyone's efforts to solve the mystery of SIDS.

Day One: Monday, Nov 20 "Wallowing in the Data"		
8:30-9:00	Breakfast	
9:00-9:30	Introduction and Goals of Summit	John Kahan (Microsoft) and Nino Ramirez PhD (Seattle Children's)
9:30-9:50	Aaron Matthews SIDS Research Guild of Seattle Children's Hospital	John Kahan, GM Data Analytics Group (Microsoft)
9:50-10:00	Microsoft Research Team	Juan Lavista, Sr. Director Data Science (Microsoft)
10:00-10:10	Break	
10:10-10:30	Current Data Sources (CDC, Family Survey and Microsoft Data Sources)	Urszula Chajewska PhD (Microsoft)
10:30-11:00	Data Proposals and Collaborations	Tatiana Anderson PhD (Seattle Children's)
11:00-11:30	Genome Approaches & New SUID Database Project	Ghayda Mirzaa MD (Seattle Children's)
11:30-Noon	Your data is only as good as your investigation!	Deborah Robinson, Infant Death Specialist (WA State Criminal Justice Training Commission and the Inland NW SIDS SUID Foundation)
Noon-12:30	Bayesian Network	Urszula Chajewska PhD (Microsoft)
12:30-1:30	Lunch	
1:30-2:00	SIDS Age Cohorts	Kelty Allen PhD (Microsoft)
2:00-2:30	SIDS in Families (differences between families with one vs. multiple deaths)	An Luong, Data Scientist (Microsoft)
2:30-2:40	Break	
2:40-3:10	SIDS Risk Model	Juan Lavista, Sr. Director Data Science (Microsoft)
3:10-3:30	SIDS Families vs. General Population	Richard Johnston PhD (Microsoft)
3:30-4:00	Smoking Analysis	Juan Lavista, Sr. Director Data Science (Microsoft)
4:00-5:00	Additional Research: Work in Progress	Juan Lavista, Sr. Director Data Science (Microsoft) Avleen Bijral, PhD (Microsoft) Urszula Chajewska PhD (Microsoft) Richard Johnston PhD (Microsoft)

This summit is hosted by Dr. Nino Ramirez, Director of the Center of Integrative Brain Research, Seattle Children's and John Kahan, GM Microsoft, Data and Analytics Group and President of Aaron Matthew SIDS Research Guild of Seattle Children's.

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Day Two: Tuesday, Nov 21 "Sharing Research and Knowledge"		
8:00-8:30	<i>Breakfast</i>	
8:30-9:00	Post-mortem for SIDS in the XXI Century	Marta Cohen MD (Sheffield Children's)
9:00-9:30	Physiological determinants leading to SIDS	Nino Ramirez PhD (Seattle Children's)
9:30-9:50	Hypoxia, but not hypercarbia evokes the arousal response: Potential implication for Sudden Infant Death Syndrome	Sanja Ramirez (Seattle Children's)
9:50-10:10	The First Breaths: An animal model of apneas of prematurity and the effects of inflammation on the respiratory centers of the brain	Ibis Agosto PhD (Seattle Children's)
10:10-10:20	<i>Break</i>	
10:20-11:20	Panel Discussion: Promising Research Directions with Q&A	Urszula Chajewska PhD (Moderator). Participants: Nino Ramirez PhD, Thomas Hegyi MD & Barbara Ostfeld PhD, Ed Mitchell DSc, Rachel Moon MD
11:20-11:40	Microsoft Tools for Researchers	Juan Lavista, Sr. Director Data Science (Microsoft) Urszula Chajewska PhD
11:40-12:00	New smartphone app to educate and reinforce safe sleep habits	Sushama Murthy (Microsoft), Thomas Hegyi MD & Barbara Ostfeld PhD
12:00-12:40	<i>Lunch</i>	
12:40-1:10	Social Networks and Norms that Impact Infant Care	Rachel Moon MD (University of Virginia School of Medicine)
1:10-1:40	Identifying Risks, Patterns and Interventions	Thomas Hegyi MD & Barbara Ostfeld PhD (Robert Wood Johnson University Hospital)
1:40-2:10	American SIDS Institute Research Projects	Betty McEntire PhD (CEO, American SIDS Institute)
2:10-2:40	Safe Sleep Calculator	Ed Mitchell DSc (University of Auckland)
2:40-2:50	<i>Break</i>	
2:50-3:20	SIDS, back to basics. Is there a unifying final common pathway?	Daniel Rubens MD & Travis Allen (Seattle Children's)
3:20-3:50	SIDS estimation process for the Global Burden of Diseases, Injuries and Risk Factors Study	Nicholas Kassebaum MD (Seattle Children's)
3:50-4:20	In the spirit of Beckwith: Serotonin, Epilepsy in situ and Genomics	Richard Goldstein MD (Boston Children's)
Closing remarks	John Kahan, GM Data Analytics Group (Microsoft)	

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