

USF NEXUS INITIATIVE 2019 AWARD RECIPIENT

Dmitry Goldgof

Automated Assessment of Pain in Neonates

The overall goal of the ongoing work at USF is to develop an intelligent system that continuously monitors neonates in the Neonatal Intensive Care Unit (NICU), assesses the pain intensity, and sends instant notifications to caregivers when pain is detected. Such a system promises to mitigate the shortcomings of the current pain assessment standards and improve outcomes of neonatal care. The UNI funded partnership with Ben-Gurion University (BGU) will extend and enhance our research efforts by bringing in BGU Data Science Research Center expertise in data analytics, and expand Tampa General Hospital (TGH) data collection through BGU collaboration with Soroka Medical Center NICU.

Partnership:

Mark Last, Ph.D.

Ben-Gurion University of the Negev (Beersheba, Israel)



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