

SUNY DOWNSTATE - BROOKLYN
DEPARTMENT OF ANESTHESIOLOGY
ACTIVE FACULTY MENTOR RESEARCH PROJECTS
July 2019- June 2020

PROJECT	LOCATION	PRINCIPAL INVESTIGATOR
1. A Comparison of Insulin Sensitivity and Management in Hyperglycemic Patients in the Perioperative Period: ESRD vs. non-ESRD [1114056]	SUNY Downstate	Shevde, K Ketan.shevde@downstate.edu
2. Complement Expression Profiles in Human Cord Blood. (ERCIP Grant) [262532]	SUNY Downstate Kings County Brookdale	Zhang, M ming.zhang@downstate.edu Velickovic, I ivan.velickovic@downstate.edu
3. Combination of Preoperative Gabapentin and TAP Blocks in Decreasing Postoperative Pain [973453]	SUNY Downstate	Dimaculangan D dennis.dimaculangan@downstate.edu Ganesan, S shantha.ganesan@nychhc.org
4. Retrospective Chart Review of Preeclampsia and Preterm Birth [932304]	SUNY Downstate Kings County	Zhang, M ming.zhang@downstate.edu
5. Temporal Alterations in Complement Expression Profiles are Associated with Increased Mortality in Septic Shock. [269846]	SUNY Downstate	Zhang, M ming.zhang@downstate.edu
6. Sevoflurane versus propofol on Optic Nerve Sheath Diameter during anesthesia in steep Trendelenburg position [1281970]	SUNY Downstate	Subtirelu, G gina.subtirelu@downstate.edu

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7.	Early life exposure to anesthetics and seizure development later in life. Retrospective Chart Review. [1418850]	SUNY Downstate	Lin, D daisy.lin@downstate.edu Dela Pena, M Margarita.delapena@downstate.edu
8.	Hydrometer estimation of intraoperative blood loss: an exploratory pilot study. [1293026]	SUNY Downstate	Dimaculangan D dennis.dimaculangan@downstate.edu

BASIC SCIENCE

	PROJECT	LOCATION	PRINCIPAL INVESTIGATOR
1.	Development of novel amnesic agents using a strategy of blocking PKM activity.	SUNY Downstate	Tsokas, P panayiotis.tsokas@downstate.edu Cottrell, JE james.cottrell@downstate.edu
2.	Animal models of ischemia: to examine the innate immune responses to ischemia in genetically-modified animals.	SUNY Downstate	Zhang, M ming.zhang@downstate.edu
3.	Effects of anesthetics on excitability, metabolism, intracellular signaling pathways and molecular biological changes in pyramidal neurons before and after hypoxia.	SUNY Downstate	Kass, I ira.kass@downstate.edu Cottrell, JE james.cottrell@downstate.edu

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4.	Mechanisms by which anesthetics alter behavior, learning and memory in normal and Alzheimer's prone mice.	SUNY Downstate	Tsokas P panayiotis.tsokas@downstate.edu
5.	The effect of volatile anesthetics on behavior, molecular signaling pathways and neuropathology in neonatal and adult mice.	SUNY Downstate	Lin, D daisy.lin@downstate.edu Kass, I ira.kass@downstate.edu Cottrell, JE james.cottrell@downstate.edu