



BRAIN ANEURYSM FOUNDATION

2021 AWARD RECIPIENTS

Jinglu Ai, MD, PhD | Barrow Neurological Institute

Awarded \$50,000

RECIPIENT OF _____
Thomas J. Tinlin Chair of Research

PROJECT:
Platelet-neutrophil Interactions in the Formation and Rupture of Intracranial Aneurysms

Tim Becker, PhD | ABOR for and on behalf of Northern Arizona University

Awarded \$25,000

RECIPIENT OF _____
NYC Marathon Chair of Research
Boston Marathon Chair of Research

PROJECT:
A Novel Polymer-coating System to Increase Aneurysm Device Biocompatibility

Steffen-Sebastian Bolz, MD, PhD | University of Toronto

Awarded \$25,000

RECIPIENT OF _____
Thomas J. Tinlin Chair of Research

PROJECT:
Biological Sex Differences Influence Cerebral Microvascular Tone and Susceptibility to Subarachnoid Hemorrhage-Induced Injury

Ivan Christov, PhD | Purdue University

Co-investigators: **Aaron A. Cohen-Gadol, MD, MSc and Vitaliy Rayz, PhD**

Awarded \$25,000

RECIPIENT OF _____
Kati Lorge Chair of Research
Brain Aneurysm Foundation Chair of Research

PROJECT:
Patient-Specific Modeling of Flow and Fluid-Structure Interaction in a Cohort

William Dodd, BS | University of Florida - Gainesville

Awarded \$30,000

RECIPIENT OF _____
Christopher C. Getch Chair of Research (sponsored by the CV Section)
Danielle Guzman Chair of Research
Taylor J. Richelsen Chair of Research

PROJECT:
Microglial Response to Aneurysmal Subarachnoid Hemorrhage: Role of the NLRP3 inflammasome

Sungha Hong, PhD | The University Texas Health Science Center at Houston

Awarded \$30,000

RECIPIENT OF _____
Sara Hebner Chair of Research
Nebraska's Hope For a Better Tomorrow Chair of Research
Falmouth Road Race Chair of Research

PROJECT:
Early Restoration of Global Hypoperfusion by Pharmacological TRPV1 Activation after SAH

Koji Hosaka, PhD | University of Florida - Gainesville

Awarded \$30,000

RECIPIENT OF _____
Kristen's Legacy of Love Chair of Research
Fight Like Frank Chair of Research

PROJECT:
Inflammation in Cerebral Aneurysm Formation, Rupture and Healing: Targeting CXCR2 to Prevent Aneurysm Rupture

Christopher M. Jackson, MD | Johns Hopkins University

Awarded \$30,000

RECIPIENT OF _____
Austen L. Dunn Chair of Research

PROJECT:
Defining the Role of the Immune Checkpoint TIM-3 in Cerebral Inflammation Following Aneurysmal Subarachnoid Hemorrhage (PROTECT-U)

Naoki Kaneko, MD, PhD | The Regents of The University of California, Los Angeles

Awarded \$25,000

RECIPIENT OF _____
Laughter is The Best Medicine Chair of Research

PROJECT:
Roles of Susceptible Genes in the Pathophysiology of Intracranial Aneurysms

Eunhee Kim, PhD | The University of Texas Health Science Center at Houston

Awarded \$25,000

RECIPIENT OF _____
Boston Marathon Chair of Research

PROJECT:
Role of KRAS Mutation in Aneurysm Formation and Rupture in Brain Arteriovenous Malformations

Khalid Mahmood Malik, PhD | Oakland University

Awarded \$25,000

RECIPIENT OF _____
Strode Family Chair of Research
Debbie Feiger Chair of Research

PROJECT:
A Fully Automated AI-based Personalized Subarachnoid Hemorrhage Prediction Tool

Redi Rahmani, MD | University of Rochester Medical Center

Awarded \$25,000

RECIPIENT OF _____
Jonathan Michael Hackett Chair of Research
Brain Aneurysm Foundation Chair of Research

PROJECT:
A Model for Senescence in Intracranial Aneurysms

Kevin Rarick, PhD | The Medical College of Wisconsin, Inc.

Awarded \$35,000

RECIPIENT OF _____
Shirley Dudek Demmer Chair of Research
Sharon Epperson Chair of Research

PROJECT:
Endothelial Cell Cilia as an Early Predictor and Driver of Intracranial Aneurysm Development

John Thompson, PhD | University of Miami

Awarded \$30,000

RECIPIENT OF _____
Cynthia Lynn Sherwin Chair of Research

PROJECT:
Surface Modification of Flow Diverting Stents for Improved Cerebral Aneurysm Repair

Vincent M. Tutino, PhD | University of Buffalo

Awarded \$30,000

RECIPIENT OF _____
Carol W. Harvey Chair of Research
Cynthia Lynn Sherwin Chair of Research

PROJECT:
Blood-Based Biomarkers Associated with Aneurysm Vessel Wall Enhancement on Post-Contrast MRI

Zhen Xu, PhD | The University of Texas Health Science Center at Houston

Awarded \$50,000

RECIPIENT OF _____
NYC Marathon Chair of Research
Amy Lakeisha Harris Core Chair of Research

PROJECT:
The Role of Endothelial Podosomes in Intracranial Aneurysm Formation