Kevin N. Sheth, M.D.

**Office Address Home Address**

Department of Neurology 42 Allison Drive

15 York Street LCI, 1003C Madison, CT 06443

New Haven, CT 06510

**Place of Birth:** Richmond, Virginia

**Education:**

2010 National Institutes of Health NINDS Clinical Trials Methods Course

2006 Certificate in Clinical Effectiveness, Harvard School of Public Health

2003 Doctor of Medicine, University of Pennsylvania School of Medicine

1999 Bachelor of Arts (Neuroscience), Johns Hopkins University

 (Mentor: Solomon H. Snyder, M.D.)

**Post-Doctoral Training:**

* 1. Fellow, Neuro-Critical Care & Vascular Neurology, Massachusetts General Hospital/Brigham & Women’s Hospital/Harvard Medical School

(Mentor: Jonathan Rosand, M.D.)

2007-2009 Fellow, Partners Telestroke Center (20 Hospital Network)

 (Mentor: Lee Schwamm, M.D.)

2006-2007 Chief Resident, Neurology, Massachusetts General Hospital/Brigham & Women’s Hospital/Harvard Medical School

2004-2007 Resident, Neurology, Massachusetts General Hospital/Brigham & Women’s Hospital/Harvard Medical School

 (Mentor: Walter Koroshetz, M.D.)

2003-2004 Intern, Internal Medicine, Brigham & Women’s Hospital

 (Mentor: Joel Katz, M.D.)

**Faculty Academic Appointments**

2019- Professor, Department of Neurology (Secondary Appointment: Neurosurgery), Yale University School of Medicine

2018- Director, Investigations for Improved Neurological Treatments at Yale (INFINITY)

2018- Director, Southern New England Partnership in Stroke Research, Innovation in Treatment (SPIRIT)

2017- Faculty, Yale Center for Outcomes Research & Evaluation, Neurology Lead, Yale University

2017- Associate Chair, Clinical Research, Department of Neurology, Yale University School of Medicine

2014-2019 Associate Professor, Department of Neurology (Secondary Appointment: Neurosurgery), Yale University School of Medicine

2013-2017 Chief, Clinical Research, Department of Neurology, Yale University School of Medicine

2013- Chief, Division of Neurocritical Care and Emergency Neurology, Department of Neurology, Yale University School of Medicine

2013- Adjunct Assistant Professor, Departments of Neurology, Surgery (Shock Trauma Center), University of Maryland School of Medicine

2013-2014 Assistant Professor, Department of Neurology (Secondary Appointment: Neurosurgery), Yale University School of Medicine

2010- Faculty, Shock Trauma and Anesthesiology Research (STAR) Organized Research Center (ORC), University of Maryland School of Medicine

2009-2013 Assistant Professor, Departments of Neurology, Neurosurgery, Surgery (Shock Trauma Center), Anesthesiology, Emergency Medicine University of Maryland School of Medicine

2007-2009 Clinical and Research Fellow, Harvard Medical School

**Hospital Appointments**

2013- Director, Neuroscience Intensive Care Unit, Yale New Haven Hospital

2013-2016 Program Director, Neurocritical Care Fellowship, Yale New Haven Hospital

2009-2013 Attending Physician, University of Maryland Medical Center

2008-2009 Graduate Assistant, Department of Neurology, Massachusetts General Hospital and Brigham & Women’s Hospital

2007-2008 Fellow, Department of Neurology, Massachusetts General Hospital and Brigham & Women’s Hospital

2006-2007 Chief Resident, Department of Neurology, Massachusetts General Hospital and Brigham & Women’s Hospital

2004-2007 Resident, Department of Neurology, Massachusetts General Hospital and Brigham & Women’s Hospital

2003-2004 Intern, Department of Internal Medicine, Brigham & Women’s Hospital

**Licensure & Certification**

2017 Re-Certification for American Board of Psychiatry & Neurology – Vascular Neurology and Neurology

2013 Illinois Board of Registration Medical License

2013 New Jersey Board of Registration Medical License

2013 California Board of Registration Medical License

2013 Connecticut Board of Registration Medical License

2010 United Council for Neurologic Subspecialties – Neurocritical Care

 Certificate Number – NCC0043010

2009 Maryland Board of Registration Medical License

2009 American Board of Psychiatry & Neurology – Vascular Neurology

 Certificate Number - 923

2008 American Board of Psychiatry & Neurology – Neurology

 Certificate Number - 54597

2006 Massachusetts Board of Registration Medical License

1. Advanced Cardiac Life Support

**Honors & Awards**

2020 Michael K. Copass and S. Mark Sumi Visiting Professor, University of Washington

2020 Association for Clinical & Translational Science Team Science Award

2020 Induction into American Society for Clinical Investigation (ASCI)

2017 Connecticut Innovations Bio-pipeline Award (Alva Health)

2017 American Neurological Association Derek Denny-Brown Young Neurological Scholar Award

2017 Yale Innovation Summit Tech Pitch Contest First Prize for Alva Health (Co-Founder, Patent for Stroke Detection Pending)

2017 Yale Entrepreneurial Institute Fellowship

2017 American Heart Association Stroke Care in Emergency Medicine Award

2017 Society for Critical Care Medicine Family Centered Care Innovation Award

2014 – 2016 Presidential Citation, Neurocritical Care Society

2015 Presidential Service Award, Neurocritical Care Society

2015, 2016 Yale Medical Group: Emerging Leaders Program

2015 Inducted as Fellow, American Neurological Association

2015 Inducted as Fellow, American Academy of Neurology

2014 Best Scientific Abstract, 16th International Brain Edema Conference

2014 Emerging Leaders Forum, American Academy of Neurology (Mentor: Ralph Sacco)

2014 Inducted as Fellow, Neurocritical Care Society

2014 Inducted as Fellow, Society for Critical Care Medicine

2013 Washington Post Magazine – Washington DC/Baltimore Rising Stars

2013 American Heart Association Robert G. Siekert Stroke Investigator Award

2013 German Society of Neurocritical Care and Emergency Medicine (ANIM) Conference Visiting Professor Award, Mannheim Germany

2012 Best Scientific Abstract, 28th Princeton Stroke Conference

2012 Inducted as Fellow, American Heart Association

2012 Clinician Scientist Award – Passano Foundation

2010-Present Selected for inclusion in *The Best Doctors in America*

2011 Selected for participation in the American Neurological Association Translational and Clinical Research Course, Baltimore, MD

2011 American Heart Association Clinical Research Career Development Award

2010 Pfizer Medical & Academic Partnership Visiting Professorship Grant Award

2010 “Up and Coming Doctors” (1of 10 regional awardees); Baltimore Sun

2010 American Academy of Neurology Foundation Career Development Award (1 of 8 national awardees)

2009 American Neurological Association Junior Faculty Conference Award

2007 Partners In Excellence Award (Leadership & Innovation), Mass General Hospital

2007 American Academy of Neurology Resident Scholarship

2005 American Neurological Association Travel and Conference Award

2003 Alpha Omega Alpha Inductee

2003 American Academy of Neurology Medical Student Prize, University of Pennsylvania School of Medicine

2003 University of Pennsylvania School of Medicine Clinical Neuroscience Track Research Grant

1999 Merit Scholarship, University of Pennsylvania School of Medicine

1999 Phi Beta Kappa Inductee

1998 Pfizer Molecular Biology Research Award

1997 National Institutes of Health Summer Intramural Research Grant – National Institute of Mental Health

**Patents**

1. Provisional patent title: Size Modifiable Tissue Targeting Nanoparticles, **Kevin Sheth**; Filing date: 08/01/18
2. Provisional patent title: Activatible Protein Nanoparticles, Methods of Making and Using

Inventors: J Zhou, Xi Yu, Xinchun Gou, **Kevin Sheth**; Filing date: 10/31/2017

1. Title: System and method for diagnosis and notification regarding the onset of stroke

Inventors: **KN Sheth**, HP Zaveri, and R Coifman; Filing date: 1/12/2017

**Research Funding**

Current or Prior Grants

2020-2022 Principal Investigator, “Portable Magnetic Resonance Imaging for Acute Stroke”, American Heart Association Strategic Renewal Grant, 20SRG35540018, $383,020

2020 Mentor, “An Automated Deep Learning Pipeline for Characterization of Intracerebral Hemorrhage at Risk of Expansion on Head CT”, Doris Duke Charitable Foundation Career Development Award

2019 co-investigator, “Yale Site for Stroke Preclinical Assessment Network (SPAN) for Acute Neuroprotection,” UO1NS113445

2019 co-Principal Investigator, “Improved Glyburide Therapy Via Acid-Triggered Release Functional Nanoparticles,” R01NS110721-01A1, $2,109,752

2019 co-Principal Investigator, “Intensive Blood Pressure Reduction in Deep Intracerebral Hemorrhage,” RO3NS112859, $83,750

2019 co-Investigator, Director of the Recruitment Core Lab, “ARCADIA-CSI (Cognition and Silent Infarcts),” RO1NS075209

2019 co-Investigator, “Optical Modulation of Blood Brain Barrier Tight Junctions by Molecular Hypothermia”, American Heart Association Collaborative Sciences Award, $750,000, 19CSLOI34770004

2019 co-Principal Investigator, “Anticoagulation in ICH Survivors for Prevention and Recovery (ASPIRE)”, NINDS, U01NS106513, $20,355,624

2019 co-Principal Investigator, “The Recovery in Stroke Using PAP: RISE-UP” Study”, NINR, RO1NR018335, $4,145,579

2018 Principal Investigator, “Portable, Bedside Magnetic Resonance Imaging in Neuroscience”, Hyperfine, Inc, $536,428

2018 co-Investigator, “Targeted Delivery of Glyburide Via Antioxidant Nanoparticles”, American Heart Association 18TPA34170180, $300,000

2018- co-Principal Investigator, “Southern New England Partnership in Stroke Research, Innovation and Treatment (SPIRIT)”, NINDS StrokeNet, U24NS107215, $1,670,703

2018- co-Principal Investigator, “Investigations for Improved Neurological Treatments at Yale (INFINITY)”, NINDS NeuroNext, U24NS107136, $1,675,000

2018- Principal Investigator, Louis and David Ingalls Foundation Gift, $50,000

2018- Principal Investigator, Jonathan Rothberg (Hyperfine) Gift, $250,000

2018- Principal Neurologist, Data Analytic Center, Yale CORE, American Academy of Neurology AXON Registry, 5% effort

2018-2019 Mentor, “A Cloud Computing-Based, Fully Automated Imaging Pipeline to Evaluate Perihematomal Edema in Intracerebral Hemorrhage”, Neurocritical Care Society Career Development Award, $70,000

2018-2021 Global Co-Principal Investigator, Cirara in Large Hemishperic Infarction Analyzing mRS and Mortality (CHARM), Biogen, $85,000,000

2017-2019 Mentor, “Autoregulation Based Blood Pressure Optimization after Large Vessel Occlusion Ischemic Stroke” CTSA Grant Number UL1 TR001863 from the National Center for Advancing Translational Science (NCATS), $200,000

2017-2019 Mentor, “Multi-Phenotype Big Data Approach to Cerebral Small Vessel Disease Genomics,” Claude Pepper Older Americans Independence Center Scholar, P30 AG021342, “$90,000

2017-2020 Global Principal Investigator, Intravenous Saponimod for Intracerebral Hemorrhage – A Phase II Study, Novartis, $10,000,000

2017-2020 Principal Investigator, “Portable Magnetic Resonance Imaging for Cerebral Ischemia”, American Heart Association Collaborative Sciences Award, 17CSA33550004, $737,020

2017-2018 Mentor, “Establishing a profile for peri-infarct edema in ischemic stroke using novel neuroimaging techniques”, NINDS/NIH R25NS079193, $99,385

2017 Principal Investigator, “PET Imaging of Neurovascular Unit After Ischemia”, NIH National Center for Advancing Translational Science (NCATS), UL1 TR001863, $15,000

2017-2019 Mentor, “Hemodynamic Biomarkers of Early Neurological Deterioration for Improving Outcomes After Ischemic Stroke”, American Heart Association Mentored Clinical & Population Research Award, 17MCPRP33460188, $144,000

2016- Global Co-Principal Investigator, Impact of Fever Prevention in Brain Injured Patients (INTREPID), Bard Inc, $10,000,000

2015- Co-Principal Investigator, Aneurysmal Subarachnoid Hemorrhage Trial Randomizing Heparin”, $500,000 Research Funds – Department of Neurosurgery, University of Louisville

2015-2018 Co-Investigator, National Institutes of Health (NINDS) – R21 NS095147 – “MIF20-Loaded Nanoparticles for TBI Treatment”, 2.5% effort, $457,875

2015-2018 Co-Investigator, American Heart Association, Grant-In-Aid, 15GRNT25290018, “Glyburide Loaded Nanoparticles for Stroke Treatment”, 2% effort, $198,000

2015-2016 Mentor, “Understanding Functional Outcome and Quality of Life in Intracerebral Hemorrhage by Neuroanatomical Outcomes”, NIH CTSA Grant Number TL1 from the National Center for Advancing Translational Science (NCATS), $22,920

2014-2016 Member, Advisory Board, “Fingolimod for Stroke Translation”, Novartis

2014-2017 Chair, Clinical Events Committee, Diffusion Weighted Imaging or Computerized Tomography Assessment with Clinical Mismatch in the Triage of Wake Up and Late Presenting Strokes Undergoing Neurointervention (DAWN), Stryker

2014-2017 Recipient, “Improving Prognosis and Communication in the Neuroscience Intensive Care Unit”, Warberg Apple Pickers Foundation, $150,000

2014-2016 Mentor, “Using Noninvasive Electroencephalography and Cerebral Oximetry Monitoring to Understand Brain Physiology in Critically Ill Patients with Sepsis” CTSA Grant Number UL1 TR000142 KL2 TR000140 from the National

Center for Advancing Translational Science (NCATS), $240,000

2014-2016 Mentor, “Understanding Priorities of Surrogate Decision Makers for Patients with Intracerebral Hemorrhage”, American Brain Foundation Career Development Award, $130,000

2013-2016 National Co-Principal Investigator, Glyburide Advantage in Malignant Edema in Stroke-RP, (GAMES-RP), Remedy Pharmaceuticals, $2,000,000

2012 Mentor, “CT Based Whole Brain Volume Association with Outcome in Traumatic Brain Injury,” National Institutes on Aging HP-STAR Program, $5,000 (PI Marc Hiller)

2012 Mentor, “Prediction of Outcome in Cerebellar Infarction by Diffusion MRI,” Howard Hughes Medical Institute Undergraduate Research Fellowship, $6,000 (PI Zahari Tchopev)

2012-2013 Principal Investigator, “Intravenous Glyburide as a Novel Therapeutic Agent in Acute Ischemic Stroke” Passano Foundation Clinician Scientist Award, $75,000

2011 Co-Principal Investigator, “Exclusion Criteria for IV tPA Treatment of Acute Ischemic Stroke 3-4.5 hours from onset: Are they being followed and do they influence tPA treatment effect,” American Heart Association Get with the Guidelines Young Investigator Seed Grant, $8,000

2011- National Principal Investigator, “Glyburide Advantage in Malignant Edema in Stroke Pilot” (GAMES-PILOT), Remedy Pharmaceuticals, $1,000,000

2011-2013 Principal Investigator, “Prognosis in Intracerebral Hemorrhage,” American Heart Association Clinical Research Training Award 11CRP5480009, $110,000

2010-2012 Principal Investigator, “Physiological Predictors of Outcome in Traumatic Brain Injury,” American Academy of Neurology Clinical Research Training Award, $130,000

2010-2012 Co-Investigator, Sub-Project PI, “Early Support of Intracranial Perfusion in Traumatic Brain Injury,” United States Army, W81XWH-07-2-0118, $5,939,997; 5% effort, PI: Dr. Thomas Scalea

2009-2012 University of Maryland Shock Trauma Principal Investigator, “Identification and Prognostication of Emergency Department Patients with Concussion and Mild Traumatic Brain Injury”, Brainscope, Inc., $106,000

* 1. Co-Investigator, “Improving Ethical, Relational and Communicational Skills for Neurology Residents,” American Academy of Neurology Education Award, $9300. PI: Dr. Thomas Cochrane
	2. Co-Investigator, “Acoustic Energy Flow through Normal and Abnormal Middle Ears,” National Science Foundation. $35,000 (Massachusetts General Hospital SubK) PI: Dr. Jonathan Rosand
	3. Co-Investigator, “Non-invasive Instrument for Monitoring Changes in Intracranial Pressure,” NIH SBIR 1R43NS058065. $38,861 (Massachusetts General Hospital SubK) PI: Dr. Jonathan Rosand
	4. Principal Investigator, “Noninvasive Monitoring of Intracranial Pressure via Auditory Measurements: A Pilot Study,” American Medical Association Award, $2500.

1998 Principal Investigator, Pfizer Summer Undergraduate Research Grant, Synthesis of the novel neurotransmitter, d-serine, PI: Dr. Solomon Snyder

1997 Principal Investigator, National Institutes of Health, Intramural Undergraduate Research Training Award, G-Protein Subunit Binding, PI: Dr. John Northup

**Clinical Trials and Multi-Center Study Participation**

2020- Co-Chair, Overall NeuroNEXT Principal Investigators Committee, NIH NeuroNEXT

2019- Co-Chair, Executive Committee, Anticoagulation in Intracerebral Hemorrhage Survivors for Stroke Prevention and Recovery (ASPIRE)

2019- Global Advisory Committee, BIIB093 252BN201 (IV Glyburide) in Traumatic Brain Injury Phase II/III Clinical Trial, Biogen

2019- Chair, Data & Safety Monitoring Board, Reperfusion with Cooling in Cerebral Acute Ischemia (RECLAIM II) Clinical Trial, Zoll

2018- Member, NIH NeuroNEXT PI Committee

2018- Member, NIH NeuroNEXT Executive Committee

2018- Co-Chair and Global Lead, Glyburide Treatment of Hemispheric Infarction Towards Improved Recovery and Decreased Mortality (CHARM), Biogen

2017- Chair, Executive Committee, Intravenous Saponimod for Intracerebral Hemorrhage – A Phase II Study, Novartis

2016- Co-Chair, Steering Committee, Impact of Fever Prevention in Brain Injured Patients (INTREPID), Bard Inc

2013- Co-Chair Steering Committee and Overall Co-PI, – Aneurysmal Subarachnoid Hemorrhage Trial Randomizing Heparin (ASTROH); 10 US Centers, Neuroimaging, Biomarker and Data Cores

2014 Chair, Clinical Events Committee, Diffusion Weighted Imaging or Computerized Tomography Assessment with Clinical Mismatch in the Triage of Wake Up and Late Presenting Strokes Undergoing Neurointervention (DAWN), Stryker

2013- Co-PI, Yale Neurological Emergency Treatment Trial (NETT), NIH

2013- Site Principal Investigator, High Dose Deferoxamine in Intracerebral Hemorrhage (Hi-Def), NIH

2013- Site Principal Investigator, Glyburide Advantage in Malignant Edema and Stroke –RP (GAMES-RP), Remedy Pharmaceuticals, Inc

2013- Co-Investigator, Antihypertensive Treatment in Acute Cerebral Hemorrhage-II (ATACH II), NIH

2013- Co-Investigator, Intravascular Cooling in the Treatment of Stroke 2/3 (ICTUS), NIH

2013- Co-Investigator, Clot Lysis: Evaluating Accelerated Resolution of Intraventricular Hemorrhage Phase III (CLEAR IVH), NIH

2013- Co-Investigator, Desmoteplase in Acute Stroke (DIAS)-4, Lundbeck A/S

2013-2015 Executive Committee and Overall Co-PI, Glyburide Advantage in Malignant Edema in Stroke Pilot – RP; 12 US Centers, Neuroimaging, Biomarker and Data Cores, Remedy Pharamaceuticals, Inc

2012-2013 Co-Investigator, Stroke Hyperglycemia Insulin Network Effort (SHINE) – NETT Network, NIH

2011-2013 Overall Principal Investigator, Glyburide Advantage in Malignant Edema in Stroke Pilot (GAMES-PILOT) – University of Maryland Medical Center and Massachusetts General Hospital, Remedy Pharmaceuticals, Inc

2011-2013 Overall Principal Investigator, Prognosis in Intracerebral Hemorrhage (PICH), American Heart Association

2010- Co-Investigator, Ethnic/Racial Variations with Intracerebral Hemorrhage (ERICH), NIH

2010- Co-Investigator, Patient Oriented Inhibition in New TIA (POINT) – NETT Network, NIH

2009-2012 Co-Investigator, Albumin in Acute Stroke (ALIAS) – NETT Network, NIH

2009 Co-Investigator, Spot Sign for Predicting and Treating ICH Growth Study (STOP-IT), NIH

2008 Co-Investigator, Safety and Tolerability of Deferoxamine in Acute Cerebral Hemorrhage (DFO), NIH

2008 Co-Investigator, Interventional Management of Stroke: Phase 3 Clinical Trial (IMS III), NIH

2007-2008 Co-Investigator, Specialized Program of Translational Research in Acute Stroke (SPOTRIAS), NIH

2007-2008 Co-Investigator, Safety and Efficacy of Neuroflo in 8-24 Hour Stroke Patients (FLO-24)

2007 Co-Investigator, Antihypertensive treatment in Acute Cerebral Hemorrhage (ATACH), NIH

**Major Committee Assignments**

2020 Yale University Provost Committee on Human Subjects Research

2020 Yale New Haven Hospital COVID-19 Emergency Credentialing Co-Chair

2020 Yale New Haven Hospital COVID-19 Resource Allocation Triage Committee

2020 Yale New Haven Hospital COVID-19 Crisis Intensive Care Committee

2019 Planning Committee, Neuroscience Hospital, Yale New Haven Hospital

2019 Clinical Redesign, Yale Neuroscience, Yale New Haven Hospital

2019 Search Committee, Service Line Nursing Director - Neuroscience

2017- Yale Medicine Taskforce on Physician Burnout

2017- Search Committee, Vice Chair, Yale Department of Neurology

2017- Search Committee, Stroke Division Chief, Yale Department of Neurology

2017- Search Committee, Neurocritical Care, Yale Department of Neurology

2017- Department of Neurology Leadership Council, Yale University School of Medicine

2016- Mentoring Committee, Department of Neurology, Yale University School of Medicine

2014- SkyHealth Medical Advisory Group, Yale New Haven Health System

2014- Yale New Haven Hospital Clinical Services Committee

2013- Yale New Haven Hospital Laboratory Formulary Committee

2013- Yale New Haven Health System Critical Care Committee

2013- Yale New Haven Hospital Stroke Center Committee

2013-2014 Yale New Haven Hospital Telecritical Care Committee

2013-2014 Member, PA Masters Thesis Review Committee, Yale University School of Medicine

2013- Member, Medical Directors Leadership Council, Yale New Haven Hospital

2013- Member, ICU Leadership Council, Yale New Haven Hospital

2013- Co-Chair, Neuroscience Intensive Care Unit Quality and Safety Committee

2013- Council of Division Chiefs, Department of Neurology, Yale University School of Medicine

2012-2013 Member, Epilepsy Division Chief Search Committee, Department of Neurology, University of Maryland School of Medicine

2011-2013 Neuro-Critical Care Representative, University of Maryland Medical Center Taskforce, Tele-neurology

2011-2013 Co-Chair, International Trauma and Critical Care Collaboration with India, University of Maryland Medical Center

2011-2013 Interviewer, Admissions Committee, University of Maryland School of Medicine

2011-2012 Member, Search Committee, Director of Neuro-Critical Care, University of Maryland Medical Center

2011-2013 Member, R. Adams Cowley Shock Trauma Center Research Committee, University of Maryland Medical Center

2010-2013 Member, Hypothermia Committee, University of Maryland Medical Center

2009 International Faculty, Indian Society for Trauma and Acute Care (ISTAC) International Trauma Conference

2009-2013 Member, Department of Neurology Residency Review Committee, University of Maryland School of Medicine

2009-2013 Member, Department of Neurology Medical Student Education Review Committee, University of Maryland School of Medicine

2009-2013 Member, Committee on Brain Death, Univ. of Maryland Medical Center

2009-2010 Member, Institutional Review Board, University of Maryland School of Medicine

2006-2007 Co-Chair, Neurology Grand Rounds Speakers Committee, Partners Neurology

2006-2007 Neurology Residency Review Committee, Partners Neurology

2007 Harvard Orthopedics Residency Review Committee, Mass General Hospital

2006-2007 Medicine Housestaff Selection Committee, Brigham & Women’s Hospital

2006-2007 Executive Committee on Teaching & Education, Massachusetts General Hospital

2005-2007 Partners Education Committee, Partners Healthcare

2002-2003 Psychiatry Department Review Committee, University of Pennsylvania School of Medicine

2002-2003 School of Medicine Representative, Provost’s Library Committee, University of Pennsylvania

2001 Dean of Student Affairs Search Committee, University of Pennsylvania School of Medicine

1999-2000 Vice-President, University of Pennsylvania School of Medicine Chapter, American Medical Association

1998-1999 Dean of Arts &Sciences Search Committee, Johns Hopkins University

1998-1999 Presiding Officer, University Ethics Board, Johns Hopkins University

**Professional Societies**

2013-Present American Neurological Association

2016-2018 Co-Chair, Special Interest Group in Neurocritical Care

2011-2017 Society for Vascular and Interventional Neuroradiology (SVIN)

2010-2017 American Society for Experimental Neurotherapeutics (ASENT)

2010 Development Committee

2010-Present Society of Critical Care Medicine

 2016- Member-at-Large, Research Section Steering Committee

 2014- Member, Awards Selection Committee

2010-2013 National Neurotrauma Society

2009-Present American Heart Association

 2015- Statement Oversight Committee

2013- Minority Affairs Committee

2011- American Heart Association, Stroke Council Professional Education Committee (2014, Chair)

2009- Member, Stroke Council

2007-Present Neurocritical Care Society

2015 American Heart Association Liaison

2015 Co-Chair, Neurocritical Care Research Network

 2014-2018 Board of Directors

2014 Member, Scientific Advisory and Proposal Selection Committee, Neurocritical Care Research Network Conference

2013- Co-Chair, Scientific Program Committee, Neurocritical Care Society

 2013-2015 Co-Chair, Research Career Development Program, Neurocritical Care Society

 2012-2017 Annual Program Meeting Committee, Neuro-Critical Care Society

2011- Member, Ethics Committee

2004-Present American Academy of Neurology

 2014 Emerging Leaders Forum

 2013-2017 Member, Guidelines Development Subcommittee

 2012-2017 Member, Quality Measurement and Reporting Subcomittee

2011- Member, Ethics Section

 (Elected Vice President – 2013-2015)

2011 Member, Interventional Neuroradiology Section

 (Elected Councilor – 2012-2014)

2010 Member, AB Baker Education Section

 2009 Member, Critical Care & Emergency Neurology Section

 (Elected Councilor – 2011-2013 and 2013-2015)

 2009 Member, Sports Medicine Section

 2008 Member, Stroke & Vascular Neurology Section

2004-2007 American Medical Association

2004-2007 Massachusetts Medical Society

**Regional, National, & International Leadership**

2019- Neurocritical Care Society Writing Committee for the Management of Subarachnoid Hemorrhage

2016- American Heart Association Writing Committee for the Early Management of Patients with Acute Ischemic Stroke

2016- American Heart Association Writing Committee for Hemorrhagic Transformation of Acute Ischemic Stroke

2016-2017 Chair, Neurocritical Care Research Network, Neurocritical Care Society

2016- Member, Steering Committee (Only member from the United States) RIBURST (Reducing the International Burden of Stroke Using Mobile Technology) Study

2016- Member, Palliative Care Research Cooperative Group

2015- Member, American Academy of Neurology Inpatient & Emergent Measure Development

2015- Member, Yale CORE (Center for Outcomes Research and Evaluation)/Center for Medicaid (CMS)/AHA Stroke eMeasure Working Group

2015- Member, American Heart Association Executive Database Steering Committee

2014- Member, Scientific Committee, International Brain Edema Conference

2014- Participant, American Academy of Neurology Emerging Leaders Forum

2014- Member, American Heart Association Stroke Leadership Committee

2014- Member, Executive Committee, American Heart Association Get with the Guidelines Atrial Fibrillation Clinical Work Group

2014- Steering Committee Member, American Heart Association Taskforce for Registry Based Randomized Control Trials

2013- Member, Executive Committee, American Heart Association Get with the Guidelines Stroke Clinical Work Group

2013- American Heart Association Writing Committee for ICH Performance Measures

2012- Abstract Reviewer, American Academy of Neurology Annual Meeting

2012- American Heart Association Writing Committee for Palliative and End-of-Life Care in Stroke

2012- American Heart Association Writing Committee for Management of Patients with Malignant Infarction

2012- Abstract Reviewer, Neuro-Critical Care Society Annual Meeting

2012- Neuro-Critical Care Large Hemispheric Guidelines Writing Committee

2012 Board of Directors, Brain Injury Association of Maryland

2012- Fellow, Stroke Council, American Heart Association

2011- Society for Vascular and Interventional Neuroradiology (SVIN) National Research Executive Committee – Neuro-Critical Care Representative

2011- Member, Neuro-Critical Care Research Network Executive Committee

2009 International Scientific Advisory Board - Indian Society for Trauma and Acute Care (ISTAC) International Trauma Conference

**Publication Service**

2018- Critical Care & Emergency Neurology Section Co-Editor, *Stroke*

2015- Editorial Board, *Neurology*

2014- Editorial Board, *Stroke*

2013- Associate Editor, *Neurosurgery*

2013-2018 Editorial Board, *Interventional Neurology*

2013-2018 Editorial Board, *Neurocritical Care*

2012- Editorial Board, *Journal of Critical Care*

2011- Editorial Board, *Frontiers in Neurology Education*

2010- Editorial Board, *Neurology Today*

2010- Editorial Board, *Frontiers in Hospitalist Neurology*

2010-2011 Section Editor, Neuro-Critical Care, *Neurotherapeutics*

2010 Series Editor, *Dx/Rx: Neurology*

2010- Section Editor, Critical Care Neurology, *Current Treatment Options in Neurology*

2020- Ad hoc reviewer, *Science Translational Medicine*

2016- Ad hoc reviewer, *Journal of the American Medical Association*

2016- Ad hoc reviewer, *Annals of Neurology*

2014- Ad hoc reviewer, *Critical Care Medicine*

2014- Ad hoc reviewer, *Academic Emergency Medicine*

2014- Ad hoc reviewer, *Annals of Clinical and Translational Neurology*

2014- Ad hoc reviewer, *International Journal of Stroke*

2014- Ad hoc reviewer, *Cerebrovascular Diseases*

2014- Ad hoc reviewer, *Interventional Neurology*

2013- Ad hoc reviewer, *Lancet*

2013- Ad hoc reviewer, *Plos One*

2013- Ad hoc reviewer, *Critical Care*

2013- Ad hoc reviewer, *Journal of Neuroimaging*

2012- Ad hoc reviewer, *Anesthesiology*

2012- Ad hoc reviewer, *Journal of Intensive Care Medicine*

2012- Ad hoc reviewer, *Journal of Critical Care*

2012- Ad hoc reviewer, *European Journal of Neurology*

2011- Ad hoc reviewer, *Resuscitation*

2011- Ad hoc reviewer, *BMC Neurology*

2010- Ad hoc reviewer, *Neurosurgery*

2010- Ad hoc reviewer, *NeuroCritical Care*

2010- Ad hoc reviewer, *PloS Medicine*

2010- Ad hoc reviewer, *Annals of Internal Medicine*

2010- Ad hoc reviewer, *Frontiers in Hospitalist Neurology*

2010- Ad hoc reviewer, *The Neurologist*

2008- Ad hoc reviewer, *New England Journal of Medicine*

2007- Ad hoc reviewer, *Journal Watch, Neurology*

2007- Ad hoc reviewer, *Stroke*

2006-Ad hoc reviewer, *Neurology*

**Grant Review**

 2019 *Ad hoc*, National Institute for Health Research, United Kingdom

2018 Standing Member, NST-1 NINDS/NIH K Career Development Award Study Section

2017 Deutsche Forshungsgemeinschaft

2017 British Heart Foundation

2016 US-Israel Binational Science Foundation Grant Review

2015 Member, Neurocritical Care Society Research Career Development Award Review Panel

2015 Member, NIH CTSA Novel Clinical and Translational Methodologies Pilot Award Review Panel

2015 *Ad hoc* Member, National Institutes of Health (NINDS) Neurological Sciences and Disorders – ZNS1 SRB (Recurrent NSD-K) Special Emphasis Panel

2015 Member, Food and Drug Administration (FDA), Office of Orphan Products Development, Neurology Grant Review Panel

2014- Member, American Heart Association Brain – Clinical Science Study Section

2014 Member, Yale NIH CTSA Career Development Award Study Section

2012 Member, Grant Review Panel, National Aeronautics Space Administration (NASA) Research and Technology Development to Support Crew Health and Performance in Space Exploration Missions – “Visual Impairment and Intracranial Pressure in Astronauts”

2010 *Ad hoc* member, National Institutes of Health (NINDS) Neurological Sciences and Disorders-NSD K Clinical Trials Study Section

2010 University of Maryland Claude D. Pepper Older Americans Independence Center

2010 CIMIT – Center for Integration of Medicine & Innovative Technology, Boston

2010 Indo-US Science & Technology Forum Indo-US Conference on Acute Stroke

**Report of Teaching Experience**

**Medical School Courses**

2015 NSCI 507/Neurology 108, Cellular and Molecular Mechanisms of Neurological Diseases

2014-2016 Yale University School of Medicine, Neuroscience ICU Chief’s Rounds, 12 medical students, 1 hour per month

2014 Yale University School of Medicine, Neurology Interview and Exam, 5 medical students, 4 hours

2014- Yale University School of Medicine, Neurology Physical Exam, 15 medical students, 4 hours

2011-2012 University of Maryland School of Medicine Clerkship Lecture – “Neurological Emergencies”, 12 medical students, 1 hour every 2 months

2011 Participation on Student Interest Group in Neurology (SIGN) Chapter Neurology panel and discussion

2011 University of Maryland School of Medicine Clerkship Lecture – “Introduction to Neuro-Critical Care”, 15 medical students, 1 hour every 2 months

2011 Univ. of Maryland School of Medicine – “Introduction to the Neurological Examination”, 6 medical students, 4 hours

2010 Univ. of Maryland School of Medicine – Neuroscience III Clinical Case Studies, 20 students, 4 hours

2010 Univ. of Maryland School of Medicine – Neuroscience I Clinical Case Studies, 20 students, 4 hours

2010 Univ. of Maryland School of Medicine – “Stroke Small Group Session”, 15-20 students, 4 hours

2009 Univ. of Maryland School of Medicine – “Introduction to the Neurological Examination”, 6 medical students, 4 hours

2005-2007 Harvard Medical School General Neurology Clerkship Lectures, 4-8 students, 5 hours per week for 8 weeks

2004 Harvard Medical School II Neuro-anatomy, Section Leader, 12 medical students given instruction in basic neuro-anatomy and histopathology, 5 hours per week for eight weeks

2003-2004 Harvard Medical School Patient Doctor Course, Group Leader, 4 students for 2 hours per week.

**Resident & Fellow Instruction**

2010- Quarterly Shock Trauma Fellowship Journal Club – 10 fellows, 1 hour conference, 3 hours preparation

2009- Monthly Neuro-Critical Care Morning Report, Case-conference, 12 residents and 5 medical students, 1 hour conference, 3 hours preparation

2009- Surgical Critical Care Fellow Curriculum, Two Lectures per Year; 10 residents and fellows, 1 hour lecture, 3 hours preparation

2009- Neurology Resident Curriculum, Monthly Lecture; 15 residents, 1 hour lecture, 3 hours preparation

* 1. Teaching Handouts and Formal presentation to typically 1 neuro-ICU fellow, 2 neurology residents 2 hours per week, 6 months per year

**Regional, National & International Invited Presentations**

June 17, 2020, Keynote Speaker, “Primary Prevention of Brain Edema After Stroke”, Brain Attack & Cerebrovascular Update 2020, American Stroke Association, New York Presbyterian Health System, New York NY

June 3, 2020, Invited Speaker, Michael Copass and S. Mark Sumi Visiting Professor, “The Primary Prevention of Brain Edema after Stroke”, University of Washington Department of Neurology, Seattle, WA

January 10, 2020, Invited Speaker, “The State of Neurocritical Care at Yale”, Department of Neurosurgery, New Haven CT

January 7, 2020 – Invited Speaker, “The Biology of and Novel Treatment Approaches to Brain Edema After Stroke”, Burke Neurological Institute, White Plains, NY

October 22, 2019 – Invited Speaker, “SUR1, Brain Edema, and Translation to Clinic”, Duke Medical School, Department of Neurology Grand Rounds, Durham, NC

October 1, 2019 – Invited Speaker, “The Primary Prevention and Treatment of Brain Edema After Stroke”, Southwestern Medical School, Department of Neurology Grand Rounds, Dallas, TX

June 12, 2019 – Invited Speaker, “Beyond Osmotic Therapies, New Targets in Cytotoxic Edema”, NIH Neurotherapeutics Symposium, Rochester, NY

June 11, 2019 – Invited Speaker, “Collaborating with Both NIH and Industry Partners”, NIH Neurotherapeutics Symposium, Rochester, NY

May 22, 2019 – Invited Speaker, Oral Platform, “Perihemaetomal Oedema: A Promising Target to Improve Outcome after ICH?”, European Stroke Organization Conference, Milan, Italy

May 16, 2019 – Keynote Speaker, “The Most Exciting Opportunities in Acute Brain Injury Treatment”, Stony Brook Neuroscience Conference, Stony Brook, NY

May 1, 2019 – Invited Speaker – “Cerebral Edema and New Targets in Secondary Brain Injury After Stroke”, Brown University School of Medicine, Department of Neurology Grand Rounds, Providence, RI

October 15, 2018 – Invited Speaker – “Anticoagulation in ICH Survivors for Prevention and Recovery”, Canadian National ICH Consortium (COHESIVE), Montreal, Canada

September 26, 2018 – Invited Speaker – “The Future of ICH Research: Most promising targets and most promising approaches”, Neurocritical Care Society, Boca Raton, FL

August 30, 2018 – Invited Speaker – “Brain Swelling after Stroke”, NIH/NINDS StrokeNet Grand Rounds

August 28, 2018 – Invited Speaker – “Cerebral Edema after Acute Brain Ischemia”, Northwell Health and Hofstra University School of Medicine, Department of Neurosurgery Grand Rounds, Long Island, NY

June 30, 2018 – Invited Speaker – “Post Stroke Cognitive Decline in Cardiac Atriopathy and Atrial Fibrillation”, Heart and Brain Symposium, Chicago, IL

June 30, 2018 – Invited Speaker – “Atrial Fibrillation and Intracerebral Hemorrhage”, Heart and Brain Symposium, Chicago, IL

February 9, 2018 – Invited Speaker – “German-US Collaborations in Critical Care Neuroscience”, German Neurological Society, Wurzburg, Germany

January 11, 2018 – Invited Speaker – “SUR1-TRPM4 and Cerebral Edema after Acute Brain Injury: Third Time is a CHARM”, Washington University Department of Neurology Grand Rounds, St. Louis, MI

November 16, 2017 – Invited Keynote Speaker – 20th Harold “Jobe” Bernard Stroke and Neuroscience Symposium, “The Modern Era of Neurovascular Protection in Stroke”, Nashville TN

October 23, 2017 – Invited Speaker, “STAIR X – Stroke Treatment Academic Industry Roundtable – Acute Stroke Trials in the Endovascular Era”, Arlington, VA

October 16, 2017 – Panel Chair – “ICH/IVH: Translational Convergence for Treatment Discovery”, American Neurological Association, San Diego, CA

October 16, 2017 – Invited Speaker – Derek Denny Brown Young Neurological Scholar Award in Clinical Science, “Instructive, Pragmatic, and Successful Trials in Acute Brain Injury: Making Intracerebral Hemorrhage the LEAST Devastating Form of Stroke”, American Neurological Association, San Diego, CA

October 4, 2017 – Invited Speaker – “The Link Between Inflammation and Edema in Large Hemispheric Infarction”, Cornell Medical School Department of Neurology Grand Rounds, New York, NY

October 1, 2017 – Invited Platform – “Glibenclamide in Subarachnoid Hemorrhage”, 14th International Conference on Neurovascular Events after Subarachnoid Hemorrhage, Huntington Beach, California

June 1, 2017 – Invited Speaker – “Cerebral Edema after Acute Brain Injury & Hunger “GAMES”, Northwestern University Department of Neurology Grand Rounds, Chicago, Illinois

May 24, 2017 – Oral Platform – “Clinical Course of Large Hemispheric Infarction and Future Therapeutic Approaches”, European Stroke Conference, Berlin, German

May 24, 2017 – Session Chair – Platform – “Malignant Infarction and Coma”, European Stroke Conference, Berlin, Germany

April 26, 2017 – Invited Speaker – Plenary Platform – “Long Term Outcomes of IV Glyburide In Patients 70 Years of Age or Under: Subgroup Analysis from the Phase II GAMES-RP Study of Patients with Large Hemispheric Infarction”, American Academy of Neurology, Boston, MA

April 25, 2017 – Invited Speaker – Plenary Platform – “Predictors of family satisfaction with support during shared decision making in neuroscience intensive care units”, American Academy of Neurology, Boston, MA

April 25, 2017 – Invited Speaker – Plenary Platform – “Analysis of adjudicated edema endpoints in the Glyburide Advantage in Malignant Edema and Stroke (GAMES-RP) Trial”, American Academy of Neurology, Boston, MA

April 24, 2017 – Invited Speaker – Plenary Platform – “Resumption of Oral Anticoagulation after Intracerebral Hemorrhage is Associated with Decreased Mortality and Favorable Functional Outcome”, American Academy of Neurology, Boston, MA

February 23, 2017 – Invited Speaker – Plenary Platform – “Resumption of Oral Anticoagulation after Intracerebral Hemorrhage is Associated with Decreased Mortality and Favorable Functional Outcome”, International Stroke Conference, Houston, TX

February 22, 2017 – Invited Speaker, Oral Platform – “Long Term Outcomes of Intravenous Glyburide in Patients 70 Years of Age or Under: Subgroup Analysis From the Phase II GAMES-RP Study of Patients with Large Hemispheric Infarction”, International Stroke Conference, Houston, TX

February 22, 2017 – Invited Moderator, “Emergency Care/Systems”, International Stroke Conference, Houston, TX

February 21, 2017 – Invited Speaker, “Moving Pre-Clinical Targets to Clinical Trials”, International Stroke Conference on Issues in Translational Stroke Research, Houston, TC

December 24, 2016 – Invited Speaker, Gujarat Society of Neurologists Annual Symposium – “Secondary Brain Injury after Ischemic Stroke and Novel Approaches”, Ahmedabad, Gujarat, India

November 15, 2016 – Invited Speaker, Oral Platform – “Risk Assessment of Intracerebral Hemorrhage in the Setting of Antithrombotic Therapy”, Scientific Sessions of the American Heart Association, New Orleans, LA

October 27, 2016 – Invited Speaker, Oral Platform – “GAMES-RP Results and Justification for a Phase III Trial in Large Hemispheric Infarction”, World Stroke Congress Hyderabad, India

October 16, 2016 – Invited Speaker, Oral Platform – “Cerebral Edema after Acute Brain Ischemia – Science and Therapies in the Pipeline”, American Neurological Association, Baltimore, MD

June 15, 2016 - Invited Speaker, “Cerebral Edema after Acute Brain Injury: Hunger GAMES”, University of Pennsylvania Department of Neurology Grand Rounds, Philadelphia, PA

April 28, 2016 – Invited Speaker, “Cerebral Edema after Acute Brain Injury: Hunger GAMES”, Mount Sinai Institute of Critical Care Medicine Grand Rounds, New York NY

April 20, 2016 – Invited Speaker, Plenary Session – Neurocritical Care and Neuroscience Crossroads From Bench to Bedside, “GAMES RP: A Phase II Study Toward Preventing Edema After Ischemia”, Vancouver, CA

March 1, 2016 – Invited Speaker, “Cerebral Edema after Acute Brain Injury: Hunger GAMES”, New York University Department of Neurology Grand Rounds, New York, NY

February 22, 2016 – Moderator, Society for Critical Care Medicine “Peering into the Crystal Ball: Updates on Neuroprognostication for Common ICU Situations”, Orlando, FL

February 22, 2016 – Invited Speaker, Society for Critical Care Medicine “Acute Stroke in the ICU: New Methods of Rescue”, Orlando, FL

February 22, 2016 – Moderator, Society for Critical Care Medicine “Controversies in Neurocritical Care”, Orlando, FL

February 19, 2016 – Invited Speaker, Plenary Session, International Stroke Conference, “GAMES-RP: Intermediate Endpoint Analysis as Proof-of-Concept”, Los Angeles CA

February 17, 2016 – Invited Speaker, Late Breaking Oral Abstract, International Stroke Conference, “GAMES-RP: A Phase II Study Toward Preventing Edema After Ischemia”, Los Angeles, CA

October 23, 2015 – Invited Plenary Speaker, Northeast Cerebrovascular Consortium (NECC) Regional Symposium, “The Journey from Acute Brain Injury to Definitive Care”, Newport, RI

October 8, 2015 – Invited Speaker, Neurocritical Care Society: “Update on Intracerebral Hemorrhage”, Scottsdale, AZ

October 1, 2015 – Invited Speaker, Larry Brass Stroke Symposium, “Management of Large Ischemic Stroke in the ICU”, Orange, CT

June 20, 2015 – Invited Speaker, NINDS R25 Research Meeting, “My Grandmother Doesn’t Know the Difference Between Neurologists and Neurosurgeons – But Why Should She?”, NIH, Bethesda, MD

April 22, 2015 – Invited Speaker, Plenary Session, Contemporary Clinical Issues Plenary Session, “Recurrent Lobar Intracerebral Hemorrhage: New Problem with an Old Target”, American Academy of Neurology, Washington D.C.

March 27, 2015 – Invited Speaker, University of Rochester Department of Neurology Grand Rounds, “The Broad Relevance of Brain Swelling after Stroke and What We May Be Able to do About It”, Rochester, NY

March 26, 2015 – Keynote Speaker, 4th Annual New York State Regional Conference for Stroke, Stroke Treatment Alliance of Rochester (STAR), Rochester, NY

February 24, 2015 – Invited Speaker, American Heart Association, “The Management of Atrial Fibrillation in Stroke Patients”, Get with the Guidelines National Webinar

October 2, 2014 – Invited Speaker, Larry Brass Stroke Symposium, “Unique Emergency Interventions Available for Stroke Patients in Connecticut”, Orange, CT

September 28, 2014 – Invited Speaker, “GAMES (Glyburide Advantage in Malignant Edema and Stroke) RP: A Phase II Study Aimed at Preventing Brain Swelling After Ischemia”, 16th International Conference on Brain Edema and Cellular Injury, Huntington Beach, CA

September 12, 2014 – Moderator, “Translational Science: Advances in Intracerebral Hemorrhage”, 12th Annual Neurocritical Care Society Meeting, Seattle, WA

September 10, 2014 – Session Co-Chair, “Research Mentorship & Career Development”, 12th Annual Neurocritical Care Society Meeting, Seattle, WA

August 17, 2014 – Moderator, “Research Development: 3rd Neurocritical Care Research Conference”, Houston, TX

May 13, 2014 – Invited Speaker, American Heart Association Connecticut Stroke Conference, “Unique Emergency Interventions Available for Stroke Patients in Connecticut”, Windsor, CT

May 2, 2014 – Invited Speaker, Florida Stroke Symposium, “Ethical Issues in Managing Large Stroke”, Deerfield Beach, FL

March 11, 2014 – Invited Speaker, Department of Neurology Grand Rounds University of Massachusetts School of Medicine, “SUR1, TRPM4, and Brain Swelling”, Worcester, MA

February 14, 2014 – Invited Speaker, “Cerebral and Cerebellar Infarction with Swelling”, International Stroke Conference, San Diego, CA

October 13, 2013 – Invited Speaker, “What is the Value of Intracranial Pressure Control in Traumatic Brain Injury and Intracerebral Hemorrhage” Neurocritical Care Symposium, American Neurological Association, New Orleans, LA

October 4, 2013 – Moderator, Scientific Oral Abstract Session, 11th Annual NeuroCritical Care Society Meeting, Philadelphia, PA

October 3, 2013 – Moderator, Translational Neurocritical Care Symposium, 11th Annual NeuroCritical Care Society Meeting, Philadelphia, PA

October 1, 2013 – Moderator, “When I Grow Up I Want to be an Astronaut: Cerebral Physiology in Space,” 11th Neurocritical Care Society Meeting, Philadelphia, PA

July 19, 2013 – Keynote Speaker, “Neurovascular Protection after Brain Ischemia,” Portland International Neuroscience Symposium, Brain Institute, Oregon Health & Science University, Portland, OR

March 8, 2013 – Invited Speaker, “Neuroprotection in the Neuroscience Intensive Care Unit”, Fifth Annual Conference – Neurocritical Care for the General and Surgical Intensivist, Tysons Corner, VA

March 1, 2013 – Invited Speaker, Pipeline Panel, “Phase IIa Acute Stroke Translation”, American Society for Experimental Neurotherapeutics Conference, Bethesda, MD

February 6, 2013 – Robert G. Siekert Lecture – GAMES (Glyburide Advantage in Malignant Edema and Stroke) Pilot Study, International Stroke Conference, Honolulu, HI

February 6, 2013 – Withdrawal of Care in the Ethnic/Racial Variations of Intracerebral Hemorrhage Study, International Stroke Conference, Honolulu, HI

January 26, 2012 – Neurocritical Care Guidelines in Malignant Infarction – “State of Evidence for Medical Management of Brain Edema”, ANIM Joint US and German Conference, Mannheim, Germany

January 7, 2012 – Invited Speaker, Department of Neurology Grand Rounds Rush University School of Medicine, “Brain Swelling after Ischemia and New Translational Opportunities”, Chicago, IL

October 26, 2012 – Invited Speaker, Yale Epilepsy ICU Symposium, “Rationale for Glyburide, GAMES study, and Future Work”, Westbrook, CT

October 7, 2012 – Invited Speaker, NeuroCritical Care Society, “Neurocritical Care: Occasional Saves but Mostly Leaves People Disabled”, Denver, CO

October 7, 2012 – Moderator, Scientific Oral Abstract Session, NeuroCritical Care Annual Meeting, Denver, CO

October 6, 2012 – Workshop Leader, NeuroCritical Care Society, “Grant-Writing Guidance for NIH Applications”, Denver, CO

May 19, 2012 – Invited Speaker, Best Scientific Abstract, “Initial Results from the GAMES Pilot Study”, Cincinnati, OH

February 3, 2012 – Invited Speaker, International Stroke Conference, “Intravenous rt-PA is Not Associated with Increased Risk of Symptomatic Hemorrhage in Patients with Intracranial Aneurysms”, New Orleans, LA

December 16, 2011 – Invited Speaker, Department of Neurology Grand Rounds Emory University School of Medicine, “SUR1, Cerebral Edema, and a Novel Therapeutic Approach to Acute Stroke”, Atlanta, GA

December 5, 2011 – Invited Speaker, Living Legacy Foundation, “When is Dead, Dead?”, Baltimore, MD

September 22, 2011 – Neuro-Critical Care Platform Presentation – “Neuro-Critical Care Education in US Neurology Residency Programs”, Montreal, Canada

May 13, 2011 – Keynote, Speaker, Kansas City Stroke Symposium, Research Foundation and Medical Center, “Emerging Therapies in Stroke Treatment”, Kansas City, Missouri

April 13, 2011 – American Academy of Neurology Session Annual Meeting Session Co-Chair “Hemorrhagic Stroke”, Honolulu, HI

April 12, 2011 – American Academy of Neurology Annual Meeting Session Co-Chair “Cerebrovascular Disease: Stroke Prevention”, Honolulu, HI

November 28, 2010 - Invited Lecturer, All India Institute of Medical Sciences, Apex Trauma Centre – “Organ Donation after Cardiac Death – Concepts and the Shock Trauma Experience”

November 28, 2010 - In Invited Lecturer, All India Institute of Medical Sciences, Apex Trauma Centre – “Traumatic Brain Injury Guidelines”

November 28, 2010 - In Invited Lecturer, All India Institute of Medical Sciences, Apex Trauma Centre – “Automated Vital Signs in Traumatic Brain Injury”

November 12, 2010 – Invited Lecturer, Maryland Stroke Alliance Annual Meeting – “Current Concepts in Intracerebral Hemorrhage – Evidence Based Management”

October 11, 2010 – Invited Lecturer, Johns Hopkins Medical Institutions Neuro-ICU Division Series – “Malignant Edema in Neuro-Critical Care”

June 30, 2010 – Invited Lecturer, 9th Annual Town/Gown Neurology Update at the University of Maryland Medical Center – “Neuro-Intensive Care: Why the Need is “Critical” for Acute Neurological Patients”

February 19, 2010 – Invited Lecturer, Massachusetts General Hospital Neuro-ICU Division Grand Rounds – “Physiological Monitoring in Traumatic Brain Injury”

November 15, 2009 – Invited Lecturer, All India Institute of Medical Sciences, Apex Trauma Centre – “Advances in Neuro-Critical Care”

November 15, 2009 – Invited Lecturer, Plenary Session, Indian Society for Trauma and Acute Care (ISTAC) International Trauma Conference, “Organ Donation: Lessons Learned from R. Cowley Shock Trauma Center”

November 12, 2009 – Invited Lecturer, All India Institute of Medical Sciences, Apex Trauma Centre – “Advances in Neuro-Critical Care for Nurses”

May 18, 2009 – Invited Lecturer, Harvard Medical School CME – Ischemic and Hemorrhagic Update – “Emergency Management of Intraparenchymal and Subarachoid Hemorrhage”

July 12, 2007 – Invited Lecturer, New England Journal of Medicine CPC Conference – “A 58-Year-Old Woman with Headaches, Weakness, and Stroke-like Episodes”

March 20, 2007 – Invited Moderator, Center for Integration of Medicine and Innovative Technology (CIMIT) Moderator, “Detecting Changes in Intracranial Pressure Using Emissions from the Inner Ear”

**Local Presentations**

July 3, 2018 – Invited Speaker, Neuroscience Intensive Care Unit, Yale New Haven Hospital – “Management of Acute Intracerebral Hemorrhage,”

June 14, 2018 – Invited Speaker, Neurocritical Care & Stroke Research Seminar – “Innovative Bedside Neuroimaging in the Acute Brain Injured Patient”

April 17, 2017 – Invited Speaker, 2nd Workshop, Yale Medicine and Institut du Cerveau et de la Moelle Epiniere (ICM), “Secondary Brain Injury In Acute Cerebrovascular Disease”

September 17, 2014 – Invited Speaker, Yale Emergency Medicine Critical Care Lecture Series, “Principles of Emergency Neurology”

July 29, 2014 – Invited Speaker Yale Center for Clinical Investigation (CTSA) – “Randomized Clinical Trials”

November 5, 2013 – Invited Speaker, Yale Surgical Critical Care Curriculum – “Prognosis and Management of Spinal Cord Injuries”

October 7, 2013 – Invited Speaker, Yale Critical Care Neurology Curriculum – “Traumatic Brain Injury in the Neurointensive Care Unit”

September 25, 2013 – Invited Speaker, Yale Vascular Biology and Therapeutics Conference – “Inflammation, Edema and the Neurovascular Unit”

September 11, 2013 – Invited Speaker, Yale Surgical Intensive Care Unit Lecture Series – “Advanced Monitoring in the Neuroscience Intensive Care Unit”

July 17, 2013 – Invited Speaker, Yale Neurology Residency Curriculum – “Intracranial Pressure in the Neuroscience Intensive Care Unit”

April 17, 2013 – Invited Speaker, Yale School of Medicine Departments of Neurology and Neurosurgery Grand Rounds – “SUR1, Glyburide, and A Novel Approach to the Primary Prevention of Cerebral Edema”

March 1, 2012 – Invited Speaker, Division of Endocrinology, Diabetes, and Nutrition Conference – “Biomarker Development for Intravenous Glyburude: A Novel Therapeutic Agent in Ischemic Stroke”

February 28, 2012 – Invited Moderator, U. Maryland Shock Trauma Morbidity and Mortality Conference – “64 Year Old Male with Syncope and Occult Small Bowel Ischemia”

January 20, 2012 – Invited Speaker, U. Maryland Division of Neuro-Radiology Grand Rounds – “Developing Safe and Effective Pharmacotherapies for Endovascular Stroke”

November 16, 2011 – Invited Speaker, U. Maryland Department of Neurology Grand Rounds – “How Do You Know When Your Patient is Dead?”

November 4, 2011 – Invited Lecturer, U. Maryland Shock Trauma Fellow Curriculum – “
Managing the Critically Ill Stroke Patient in a Trauma System”

September 20, 2011 – Invited Lecturer, U. Maryland Pulmonary Critical Care Fellows Conference – “Approach to the Critically Ill Neuroscience Patient”

August 18, 2011 – Invited Lecturer, U. Maryland Neurology Residency Curriculum – “Intracranial Pressure, Hydrocephalus, and Intracranial Compliance”

July 23, 2009 – Invited Lecturer, U. Maryland Neurology Residency Curriculum – “Approach to the Patient with Malignant Infarction”

July 18, 2011 – Invited Lecturer, U. Maryland Neurology Residency Curriculum – “Introduction to the Neuro-ICU”

May 19, 2011 – Invited Speaker, Division of NeuroCare Nursing, “Current Concepts in Brain Death Determination”

March 30, 2011 – Invited Speaker, Division of NeuroCare Nursing, “Current Concepts in Intracerebral Hemorrhage”

February 3, 2011 – Invited Speaker, U. Maryland Medical Center Administration and Transplant Group “Update in Brain Death Determination”

October 5, 2010 – Invited Speaker, U. Maryland Shock, Trauma and Anesthesiology Research (STAR) Center Neuroprotection Research Seminar – “Let the GAMES (Glyburide Against Malignant Edema in Stroke) Begin: A Novel Treatment for Acute Ischemic Stroke”

September 9, 2010 – Invited Speaker, U. Maryland Department of Neurosurgery Grand Rounds – “Management of Malignant Edema in Acute Stroke”

June 30, 2010 – Invited Speaker, U. Maryland Medical Center M&M – “Hypothermia after Cardiac Arrest”

April 28, 2010 – Invited Speaker, U. Maryland Neurology Residency Curriculum – “Review of Severe Traumatic Brain Injury”

March 18, 2010 – Invited Speaker, U. Maryland Division of Pulmonary Critical Care – “Advances in Neuro-ICU Monitoring”

December 16, 2009 – Invited Speaker, U. Maryland Department of Neurology Grand Rounds – “Why Won’t My Patient Wake Up – Evaluation of the Critical Care Neurology Patient”

October 21, 2009 – Invited Lecturer, U. Maryland Shock Trauma Fellow Curriculum – “Acute Non-Traumatic Neurological Emergencies”

October 14, 2009 – Invited Lecturer, U. Maryland Neurology Residency Curriculum – “ICU Management of Stroke”

September 2, 2009 – Invited Lecturer, U. Maryland Shock Trauma Fellow Curriculum – “Neurological Monitoring in the ICU”

July 30, 2009 – Invited Lecturer, U. Maryland Neurology Residency Curriculum – “Acute Management of the Neurologically Unstable Patient”

February 19, 2009 – Invited Lecturer, New England Journal of Medicine CPC Conference – “A 47-Year-Old-Woman with Vertigo, Facial Weakness, and a Generalized Seizure”

July 21, 2008- Presenter, MGH Intracerebral Hemorrhage Group – “Anemia, Transfusions, and Intracerebral Hemorrhage”

March 5, 2008 – Presenter, MGH Stroke Conference – “Laser Therapy for Ischemic Stroke”

January 30, 2008 – Presenter, MGH Stroke Conference – “Carotid Endarterectomy versus Carotid Stents”

October 30, 2007 – Invited Lecturer, Boston Epilepsy Society – “Bilateral Temporal Lobe Seizures with Preservation of Consciousness”

October 26, 2007 – Presenter, Brigham & Women’s Neuro-ICU Conference – “Hypertonic Saline in the Neuro-ICU”

Feb 15, 2007 – Invited Lecturer, Brigham Internal Medicine Primary Care Resident Lecture – “Facial Palsy”

Dec 07, 2006 – Invited Lecturer, Brigham Internal Medicine Primary Care Resident Lecture – Neurology History and Physical Exam”

**Direct Mentoring (Current Position)**

2007-2009 Modupe Adegoke, MD/PhD. Current position: MD/PhD candidate, University of Pennsylvania. Co-author on multiple abstracts and paper. Minority Scholars Program recipient at the American Academy of Neurology

2007-Present Alessandro Biffi, MD. Current position: Assistant in Neurology at MGH and Director of the Aging & Brain Health Research Group. I have served as an external mentor after first recruiting and hiring him at MGH over a decade ago when I was a fellow. We have published 9 papers together, 4 of which he is a first or senior author including in *JAMA* and *Annals of Neurology*.

Summer 2010 Nick Shah. Current position: Medical student, Touro College. Two second author papers in *Stroke* and *Neurocritical Care*

2010- Marc Hiller, MD. Current position: Emergency Medicine Resident, Georgetown University Medical Center. Student Training in Aging Research, National Institute of Aging (NIH/NIA) Award

2010-Present Holly Hinson, MD, MSCE. Current position: Associate Professor of Neurology, Oregon Health Sciences University, Co-Mentor, American Academy of Neurology Career Development Award, 3 First-author papers, 2 co-author including *Lancet Neurology*, I continue to mentor her and brought her on to leadership committees for phase II and III glyburide stroke studies (GAMES and CHARM). NINDS K23 Career Development Award

2011-2013 Zahari Tchopev, MD. Current position: Resident, Walter Reed Medical Center. Mentor, President’s Promise Research Grant and mentor, Howard Hughes Medical Institute Undergraduate Research Fellowship, First author paper *Neurocritical Care*

2013-2014 Allison Arch, MD. Current position: Vascular Neurology Attending, Providence Medical Institute. First author paper

2013-2015 David Asuzu, MD, PhD. Current position: Neurosurgery Resident, University of Virginia. Mentor, AAN G. Milton Shy Award, 9 First author papers

2013-2015 Teddy Youn, MD. Current position: Assistant Professor of Neurology, University of Florida

2013-2015 Sebastian Urday, MD. Current position: Assistant Professor, Vascular Neurology, Northwestern. He won Dr. Louis H. Nahum Prize for excellent M.D. Thesis, Yale School of Medicine (top prize), he was the Leon Rosenberg, MD One Year Yale Medical Student Research Fellow, and he won, a 2014 American Heart Association Student Scholarship in Cerebrovascular Disease & Stroke. He co-authored 7 papers with me, including 3 first author in *Critical Care Medicine, Stroke,* and *Nature Reviews Neurology*

2013-Present David Hwang, MD. Current position: Associate Professor, Yale University. **He is a Robert J. Siekert New Investigator Award** winner and also received an American Brain Foundation Career Development Research Award. He has written 13 papers with me, including 6 as first or senior author. He is now a nationally recognized leader in shared decision making, prognostication and palliative care in acute neurology and a member of the Neurocritical Care Society Board of Directors

2013-Present Emily Gilmore, MD. Current position: Associate Professor, Yale University, Director, Neuroscience Intensive Care Unit. She has written 11 papers with me, including 2 as first author. She received an American Brain Foundation Career Development Research Award as well as an NIH KL2 Career Award under my mentorship. She has earned an independent RO1, and she holds a major leadership role in our program.

2014-2017 Carolina Maciel, MD. Current position: Assistant Professor of Neurology, University of Florida. She is the Director of Research for Neurocritical Care. We published 2 papers together when she was a mentee at Yale.

2015-2017 Jonathan Mahrebian, MD. Current position: Assistant Professor of Neurology, University of Southern California.

2015-2017 Anirudh Sreekrishnan, MD. Current position: Neurology Resident, Partners Neurology. As a mentee, he was a NIH CTSA Award from the National Center for Advancing Translational Science (NCATS) and Yale Farr Research Scholar. He published 4 papers with me (3 as first author), including one in *JAMA Neurology*.

2015-Present Stacy Brown, MD. Current position: Assistant Professor, Queens Medical Center, University of Hawaii, Neurocritical Care Fellow, Yale. She received an American Heart Association Get with the Guidelines Seed Grant, which she published in *JAHA.* She has 4 first author papers with me and several under review.

2015-2018 Margy McCollough, MD. Current position: Post-doctoral and Vascular Neurology Fellow, Stanford. She was an NINDS R25 Fellow under my mentorship at Yale.

2015-Present Audrey Leasure, BA. Current position: Medical Student, Yale University. As a mentee, she has won numerous awards and honors - Student Scholarship in Cerebrovascular Disease and Stroke, American Heart Association, the AAN Milton Shy Award, presented several oral platforms at ISC, and 19 papers, including 6 as first-author, in journals such as *JAMA Neurology, Stroke,* and *Neurology.* She recently wrote, submitted, and was awarded an NIH/NINDS RO3 award as a third year medical student. She was supported by American Heart Association Medical Student Fellowship Award during her first summer and currently for a one-year research fellowship

2016-2018 Mark Landrenau, MD. Current position: Attending Neurologist, St. Francis Hospital, CT

2016-2018 Christoph Stretz, MD. Current position: Assistant Professor, Vascular Neurology, Brown

2016-2018 Cora Ormseth. Current position: Medical Student, University of California at San Francisco. Co-authored 3 papers (2 as first author), including invited paper on AHA GWTG program history and impact

2016-2017 Laura Miyares. Current position: Medical Student, University of Pennsylvania. Co-authored 4 papers (1 as first author in *Neurology*).

2016-2017 David Mampre. Current position: Medical Student, Johns Hopkins Medical School

2016-Present Nils Petersen, MD, PhD. Current position: Assistant Professor, Yale University, Director of Cerebral Blood Flow Lab. As a mentee, he received American Heart Association Mentored Clinical and Population Research Award, Yale NIH YCCI KL2, and NIH/NINDS StrokeNet Fellowship. He also holds an NINDS K23. He serves on AHA study sections and has published 32 papers, 13 papers with me, with 6 as first author, including seminal papers in *JAMA Neurology* and *Stroke.* In turn, he has mentored several students who have received AHA support.

2016-Present Guido Falcone, MD, ScD, MPH. Current position: Assistant Professor, Yale University. As a mentee, he has held a Claude Pepper Center Award from the NIA, Neurocritical Care Society Career Development Award, and NIH K76 (Beason) Career Development Award. **He has won the prestigious Robert Siekert Investigator award from the AHA**. He has held leadership positions at the International Stroke Genetics Consortium and AHA Precision Medicine Platform. He leads the Yale Stroke and Critical Care Neurology Research core, serves on the Executive Committee for the NIH ASPIRE Phase III clinical trial, and has published 86 papers, 25 under my mentorship, in journals including *Lancet Neurology, Nature Genetics, JAMA Neurology, Neurology, Stroke.* In turn, he has mentored several students who have received AHA and NIH support.

2016-Present Jeremy Ader, MD, MBA. Current position: Neurology Resident, Columbia New York Presbyterian Hospital. GWTG Young Investigator grant and first-author paper in Neurology

2016-Present Rafeed Alkawadri, MD. Current position: Associate Professor, University of Pittsburgh University. I served as his Thesis Advisor.

2016-Present Rachel Beekman, MD. Current position: Assistant Professor, Neurocritical Care, Yale University.

2016-Present Santosh Murthy, MD. Current position: Assistant Professor and Director, Neuroscience Intensive Care Unit, Cornell. I have served as an external mentor for Santosh for several years. We have published 17 papers together, with 5 first author by him.

2017-2018 Jill Shah, BS. Current position: Medical Student, New York University

2017-2019 Zachary King, BA. Current position: Medical Student, University of California at Los Angeles.

2018-Present Rommell Noche, BS. Current position: Post-graduate Research Assistant, Yale University. Travel award, 2019 International Stroke Conference

2018-Present Bradly Cahn, BS. Current position: Post-graduate Research Assistant, Yale University. Travel award, 2019 International Stroke Conference

2018-Present Jacqueline Geer, MD. Current position: Fellow, Pulmonary Critical Care, Yale University. She is my mentee and current NIH/NINDS StrokeNet Fellow at Yale.

2018-Present Jennifer Kim, MD/PhD. Current position: Assistant Professor, Yale University. I am her mentor for the NIH/NINDS NeuroNEXT Fellowship and for her American Brain Foundation Fellowship, and she also holds an NINDS K23.

2019-Present Sam Payavbash, MD. Current position: Assistant Professor, Yale University. I am the primary mentor for Doris Duke Career Scientist Development Award.

**Other Work and Volunteer Experience**

2019 Clinical Advisory Board, Astrocyte Pharmaceuticals

2017 Advisory Board, Biogen

2017 Co-Founder, Alva Health

2017 Clinical Advisory Board, Arkis Biosciences

2016 Advisory Board, Remedy Pharmaceuticals

2015 Advisory Board, Novartis

2012 Board of Directors, Brain Injury Association of Maryland

2011-2012 Member, William T. Walters Association, Walters Art Museum, Baltimore

2010-2012 Member, Steering Committee, Enoch Pratt Library Contemporaries

2004- Consultant, Verimed Consulting

 2002-2004 Reviewer, Blackwell Publishing

 1999 Intern, United States Senate, Office of the Honorable John Warner

 1997 Teaching Assistant, Ethical Issues, Johns Hopkins University

**Bibliography**

***Original Articles***

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