

BIOSKETCHES – GLOBAL BRAIN DISORDERS NETWORK MEETING APRIL 5-7, 2016

Gregory A. Aarons, Ph.D.

Dr. Aarons is clinical and organizational psychologist, is a Professor in the Department of Psychiatry at the University of California, San Diego (UCSD), and a faculty member in the UCSD/SDSU Joint Doctoral Program in Clinical Psychology, Director of the Child and Adolescent Services Research Center (CASRC) and Co-Director of the Center for Organizational Research on Implementation and Leadership (CORIL). Dr. Aarons' research, funded by the National Institute of Mental Health and the Centers for Disease Control and Prevention, focuses on identifying and improving system, organizational, and individual factors that impact successful implementation and sustainment of evidence-based practices and quality of care in health care and public sector practice settings. Dr. Aarons is Principal Investigator of recently completed NIMH funded study of a statewide evidence-based practice implementation in the Oklahoma child welfare system and a CDC funded study that developed a novel implementation approach that uses a collaborative process to support appropriate adaptation of evidence-based practice and system and organizational characteristics during implementation throughout the state of California. Dr. Aarons current grants include an NIMH funded project focusing on how to effectively implement an evidence-based HIV preventive intervention among high-risk women in Mexico, using an interagency collaborative approach to scaling up evidence-based practice across an entire service system, working across two states and 87 counties to examine the interaction of policy and organizational capacity factors in long-term sustainment of evidence-based practice, developing practical measures of organization leadership and climate, and developing leadership and organizational change strategies to support evidence-based practice implementation. Dr. Aarons' most current work focuses on improving organizational context and training managers and supervisors to become effective leaders, to create a positive implementation climate, and to successfully lead evidence-based practice implementation in their teams and organizations.

Florence Baingana, MSc

Dr Florence Baingana graduated with an MB ChB in 1983, an MMed (Psychiatry) in 1990 and an MSc Health Policy, Planning and Financing in 2010. She has worked for over ten years in mental health policy and planning. She worked for four years as the National Mental Health Coordinator with the Ministry of Health of Uganda (1996-2000), where she established the Mental Health Unit in the Ministry, developed standards and guidelines for mental health care and got mental health included as a component of the Uganda Minimum Health Care Package in the Health Policy and the Health Sector Strategic Plan. In 2000, Dr Baingana joined the World Bank in Washington DC, seconded by the Mac Arthur Foundation, US Center for Mental Health Services and National Institute of Mental Health. In 2007, following her stint at the World Bank, Dr. Baingana returned to Uganda and worked as a Research Fellow with Makerere University

School of Public Health. In 2009/2010, Dr Baingana undertook an MSc Health Policy, Planning and Financing at the London School of Hygiene and Tropical Medicine and the London School of Economics and Political Science, as part of a Wellcome Trust Fellowship 2009-2012. Presently, Dr Baingana is Research Fellow with Makerere University School of Public Health. Dr Baingana evaluated the TPO-Uganda/Ministry of Health Northern Uganda Mental Health programme (September/October 2010), The Basic Needs UK in Uganda Mental Health and Development project (November/December 2010) and the UNHCR supported HealthNet TPO mental health programmes for refugee populations in Rwanda, Burundi and Tanzania (November/December 2011). Dr Baingana is a member of the Finance Committee of the World Psychiatric Association, is a Member of the Advisory Committee of the Children and War Foundation, Board Chair TPO-Uganda, is an Editor for Interventions and has been recently appointed and is Chairperson of the Consortium Advisory Group of the DFID funded PRIME project (2011-16). Dr Baingana is Chairperson of the Association of Psychiatrists of Uganda. Dr Baingana has a number of publications to her name. Her major interest areas are evaluation of mental health programmes, and how to strengthen and finance mental health programs in low income countries.

Michael J. Boivin, PhD, MPH

Michael Boivin is the Professor of Psychiatry and of Neurology & Ophthalmology, College of Osteopathic Medicine at Michigan State University and the Adjunct Professor of Psychiatry at the University of Michigan. A former Fulbright research scholar to the Democratic Republic of Congo (1990-91) and to Uganda (2003-04), Professor Boivin presently leads NIH-NICHD sponsored studies in Uganda pertaining to the neurocognitive rehabilitation in children surviving severe malaria and early caregiver training to enhance cognitive and psychosocial development in children with HIV. This includes an NICHD-sponsored study on caregiver training and on the cognitive rehabilitation of children affected by HIV in impoverished areas of rural Uganda. He is serving as Protocol Chair of an NIH-sponsored substudy in IMPAACT 1060 RCT protocol (p1104s) to conduct a neuropsychological evaluation of HIV-infected children on different anti-retroviral treatment arms in resource limited African settings. He is also collaborating on studies evaluating the neurocognitive effects cerebral malaria in Ugandan children, as well as an ongoing study on the developmental effects of maternal anemia in very young children in Benin. Professor Boivin presently directs the neuropsychological assessment program in an NIH/NIEHS-sponsored study of konzo, a neurotoxic disease from poorly processed cassava in the DR Congo. Over the past 27 years he has pioneered the application of neuropsychological assessment in gauging the neurocognitive impact of public health risk factors and interventions in African children. Much of this work is encapsulated in a co-edited book on the Neuropsychology of Children in Africa: Perspectives on Risk and Resilience (New York: Springer Publishing, 2013). More information on his current research programs can be found at www.thriveearly.msu.edu

Samantha Brooks, PhD

Samantha Brooks is a Senior Lecturer at the Department of Psychiatry, University of Cape Town, and also a UK-Chartered Experimental Psychologist. She conducts pre-clinical neuroimaging research specializing in the neural correlates of impulsivity/compulsivity and cognitive control. Her research began in London, and continued in Sweden with structural and functional brain imaging and neuropsychological measures of adolescents and adults with eating disorders (anorexia, bulimia and obesity). Later, she moved to the University of Cape Town (UCT), South Africa, and branched into addiction research, examining the neural correlates of treatments for substance abuse disorders. Collectively, her work in eating disorders and substance use disorder has contributed to the development of neural models reflecting cognitive control of appetitive processes in the brain. Her research is rooted in brain imaging methods, and she is now further probing into connectivity and genetic analyses in combination with traditional brain imaging methods. In South Africa, she is in the midst of publishing brain imaging data showing how cognitive training can enhance the treatment effects and alter brain structure and function in people being treated for methamphetamine addiction. Following on from this, she is now leading a team of students in a senior lecturer post at UCT to examine the neural correlates of contingency management as another novel intervention for substance use disorder. She is also involved in a variety of other related neuroimaging projects, including: the links between altered brain structure and function and adolescent alcohol use disorder, early childhood adversity, fetal alcohol syndrome, obsessive-compulsive disorder and pathological gambling.

Hélène Carabin, D.V.M, Ph.D

Dr. Carabin is a veterinarian by training (1992) with a PhD in epidemiology from McGill University (1998). She completed post-doctoral studies at Oxford University and Imperial College in the UK on transmission dynamics and health economics of infectious diseases before obtaining a post at the department of Biostatistics and Epidemiology of the University of Oklahoma Health Sciences Center where she is now a Full Professor. Her expertise lies in the design and analysis of epidemiological studies conducted in developing countries to minimize impact of selection and information bias. Her research interests include the development and use of Bayesian models to adjust for misclassification error and clustering for common outcomes, such as neglected tropical diseases and zoonotic infections. She is co-author of 92 peer-reviewed publications. She is currently the PI on one active international NIH grant, the Director of the epidemiology, outcomes and statistics team of the sole hepatitis C virus elimination project in the Western hemisphere taking place with the Cherokee Nation of Oklahoma, and also served as the Director of the Novel Methodology Unit of the Biostatistics, Epidemiology and Research Design core of the Oklahoma Shared Clinical and Translation Resources grant at the OUHSC.

Ian Campbell, MBBS, MRCP(UK), DRCOG, MFTM (RCPS-Glasgow)

Ian Campbell is a physician and global health programme facilitator of design and evaluation of home and community-based approaches to a range of health issues, engaging local communities, hospitals and clinic systems, and faith groups. HIV has been a key entry point to broader health and development reflection and action. The initial experience of integrated home care and community prevention response was developed in 1986, at The Salvation Army Chikankata Hospital in Zambia, where Ian was the Chief Medical Officer from 1985 to 1989. From 1990 to 2007, Ian coordinated health programme development for The Salvation Army International Headquarters, and has engaged worldwide with many partners, often with UN collaboration, to transfer concepts and practices relating to human capacity development for response to HIV, and other health and life competence issues. He currently coordinates 'Affirm Facilitation Associates' (www.affirmfacilitators.org), and consults with The Salvation Army USA Eastern Territory on health and community change.

David Chambers, D.Phil

Dr. David Chambers is Deputy Director for Implementation Science Team in the Office of the Director in the Division of Cancer Control and Population Sciences (DCCPS) at the National Cancer Institute (NCI). Dr. Chambers manages a team focusing on efforts to build and advance the field of Implementation Science (IS) through funding opportunity announcements, training mechanisms, dissemination platforms, and enhancement of partnerships and networks to integrate research, practice and policy. From 2008 through the fall of 2014, Dr. Chambers served as Chief of the Services Research and Clinical Epidemiology Branch (SRCEB) of the Division of Services and Intervention Research at the National Institute of Mental Health (NIMH). He arrived at NIMH in 2001, brought to the Institute to run the Dissemination and Implementation Research Program within SRCEB, where he continues to manage a portfolio of grants that study the integration of scientific findings and effective clinical practices in mental health within real-world service settings. From 2006 to the fall of 2014, Dr. Chambers also served as Associate Director for Dissemination and Implementation Research, leading NIH initiatives around the coordination of dissemination and implementation research in health, including a set of research announcements across 15 of the NIH Institutes and Centers, annual scientific conferences, and a summer training institute. Prior to his arrival at NIH, Dr. Chambers worked as a member of a research team at Oxford University, where he studied national efforts to implement evidence-based practice within healthcare systems. He publishes on strategic research directions in implementation science and serves as a plenary speaker at numerous scientific conferences. He received his A.B. degree (with Honors) in Economics from Brown University in 1997, and a M.Sc. and D.Phil degree in Management Studies (Organisational Behaviour) in 1998 and 2001, respectively, from Oxford University (UK).

Coticchia, James, MD, FACS

James M. Coticchia, MD, formerly the Director of Pediatric Otolaryngology, Professor and Vice Chairman of Dept. of Otolaryngology – Head & Neck Surgery at the Wayne State University School of Medicine, is currently Director of Pediatric ENT Clinic of Michigan based at Oakwood Hospital, Dearborn, MI and Crittenton Hospital, Rochester, MI. One of Dr. Coticchia's principle areas of focus is the management of hearing loss and chronic ear disease in children.

Dr. Coticchia while on faculty at Case Western Reserve was appointed Director of Research and established one of the first multidisciplinary centers to evaluate children with sensorineural hearing loss. This clinic staffed by a pediatric otolaryngologist, a pediatric audiologist, a pediatric geneticist and a genetics counselor was designed to identify the etiology of Children with non-syndromic SNHL. The clinic utilized a structured algorithm which included advanced audiometric testing, metabolic studies, high resolution temporal bone imaging and targeted molecular analysis to evaluate the utility in different tests in the management of children with non-syndromic SNHL. During his tenure at Case Western Reserve University he recruited and established a basic scientist with expertise in molecular biology of hearing loss. In addition, as a clinician, Dr. Coticchia sees and treats both children and adults with hearing loss and other otologic conditions. Dr. Coticchia has also served as the Vice Chairman of the Lions Hearing Center of Michigan and in this role has had extramural funding to improve the diagnosis and management of infants with hearing loss identified at Oakwood Healthcare System, Michigan. This funded work has significantly improved the compliance of infants failing screen and is being utilized as a model for early hearing detection and intervention in the state of Michigan. Dr. Coticchia has had extramural support for hearing loss and otitis media research and is a founding member of the International Otitis media society.

Gallo, Carla, PhD

Professor of Cell and Molecular Biology, Head of the Laboratory of Molecular Neurobiology and Genetics, Faculty of Sciences, Laboratories for Research and Development, Universidad Peruana Cayetano Heredia (UPCH). Biologist with major in biochemistry and molecular biology. Additional education in neurosciences, biophysics, biological membranes and cell biology. Has designed undergraduate and graduate courses in the area of neurobiology/neurochemistry and membrane biology at the UPCH. Has received funding from the Stanley Medical Research Institute (SMRI) to study environmental factors involved in the first episode of psychosis, and from SMRI and the US NIH for the discovery of drugs for mental disorders from native plants of Peru. Contributed to map the status of research on mental and neurological disorders in low- and middle-income countries, creating a framework for global actions (Global Forum for Health Research / WHO). Collaborates in international efforts to study human genetic variation (1000 Genomes Project), the genetics of admixture in Latin America (PI: A. Ruiz-Linares, University College London), early onset dementia (PI: M. Grossman / K. Rascovsky, U. Pennsylvania), schizophrenia (PI: G. de Erausquin, U. South Florida) and the response to lithium (ConLiGen). Also works in setting priorities for research in psychiatry/mental health at the national and international levels.

Hoe, Connie, MSW, PhD

Dr. Connie Hoe is an Assistant Scientist at the Johns Hopkins Bloomberg School of Public Health, International Health Department in the Health Systems Program. Her research interests lie in the area of health policy analysis; specifically the political dimensions of injury prevention policies in low-and middle-income countries. Dr. Hoe works closely with the Johns Hopkins International Injury Research Unit and plays an integral role in leading the unit's policy portfolio. She currently serves as co-investigator on several injury prevention projects and co-teaches the *Confronting the Burden of Injuries: A Global Perspective* course at Johns Hopkins Bloomberg School of Public Health. Dr. Hoe has worked extensively with the World Health Organization. Most recently, she served as a road safety consultant for the World Health Organization, Thailand Country Office.

Dr. Hoe received her PhD in Health Systems from Johns Hopkins Bloomberg School of Public Health, MSW from the University of Pennsylvania School of Social Policy & Practice, and BA from Johns Hopkins University.

Richard Idro, Ph.D.

Dr Richard Idro is a Paediatric Neurologist/Lecturer, Mulago Hospital/Makerere University and a Clinical Research Paediatrician, Centre for Tropical Medicine, Oxford University. He joined the program from Uganda in 2003 for a Clinical PhD studying "Seizures in children with acute falciparum malaria". This was followed by a post-doctoral fellowship and clinical training in Paediatric Neurology. His research interests are the pathogenesis of brain injury and improving outcomes of central nervous system infections, and neurodevelopmental disorders in resource poor countries. Dr Richard Idro holds a Bachelor's degree in Medicine and Surgery and a Masters degree in Paediatrics and Child Health from Makerere University. He is responsible for developing and strengthening collaborative links for clinical research between the Programme in Kenya and groups in Uganda, mentorship and career guidance for young clinical researchers. Dr Idro has recently worked with the Ministry of health in Uganda to develop guidelines for the management of head nodding disease (a new poorly understood progressive brain disorder) and developed a training manual for health workers treating the children. He is leading clinical studies to better understand the disease and with the Centers of Disease Control, developing a clinical trial for the same.

John, Chandy, MD

Chandy John, M.D., M.S., holds the Ryan White Endowed Chair in Pediatric Infectious Disease and is director of the Ryan White Center for Pediatric Infectious Disease and Global Health at Indiana University. Dr. John joined the faculty at Indiana University in 2015, after serving as director of the Division of Global Pediatrics at the University of Minnesota for 10 years. Dr. John's research focuses on malaria pathogenesis, immunology and epidemiology. Among the key discoveries of his collaborative research team are: 1) the association of severe malaria with long-term cognitive impairment in children, 2) the identification of specific T cell and antibody responses to *P. falciparum* that wane with lack of malaria exposure, 3) the determination of geographic and immunologic risk factors for malaria in highland areas of unstable malaria

transmission, and 4) the development of a multiplex antibody panel that can assess long- and short-term exposure to malaria. He conducts research and training in Kenya in collaboration with the Kenya Medical Research Institute, and in Uganda in collaboration with Makerere University. He is the author of more than 110 peer-reviewed research publications and 26 book chapters. Dr. John serves on the Thrasher Research Fund Scientific Advisory Committee, and has served on or chaired numerous NIH and national and international study sections and review boards. Dr. John received the Bailey K. Ashford Medal from the American Society of Tropical Medicine and Hygiene for his contributions to tropical medicine research.

Koen, Nastassja, MD, PhD

Nastassja Koen (MD, PhD) completed her undergraduate and medical degrees at the University of Cape Town, before completing a PhD in the Department of Psychiatry and Mental Health. The focus of her doctoral thesis was psychological trauma and posttraumatic stress disorder in a South African birth cohort study - including risk factors, transgenerational effects, and genetic correlations. Currently, her postdoctoral fellowship is centered on the genetics of neuropsychiatric disorders among African populations, in collaboration with the Stanley Center for Psychiatric Research/Broad Institute. As there is a shortage of healthcare professionals committed to becoming physician-scientists in South Africa, she hopes ultimately to integrate neuroscientific research and clinical practice in the field of translational Psychiatry.

Gladys E. Maestre, M.D., Ph.D.

Gladys E. Maestre graduated from medical school at the University of Zulia, Venezuela, and, following a postdoctoral fellowship in the Department of Psychiatry at Massachusetts General Hospital, USA, completed her PhD in the Department of Pathology at Columbia University. She currently holds the positions of Associate Professor of Neuroscience at the University of Zulia, and Research Associate at Columbia University Sergievsky Center, where she coordinates a research training program for Venezuelans. She earned a five-year training grant from the Fogarty International Center at the NIH to the Columbia Genome Center and the University of Zulia in Venezuela to support young Venezuelan scientists to study heritable diseases in Latin America and the Caribbean. Her other research projects focus on gene-environment interactions affecting cognition, particularly related to aging. She leads the Maracaibo Aging Study and coordinates diverse activities related to capacity building for brain research in Venezuela and the Caribbean region.

Meya, David, MD

Dr. Meya is a senior lecturer in the School of Medicine at the College of Health Sciences, Makerere University and holds an appointment as adjunct Associate Professor at the University of Minnesota. He has been involved in clinical research of neuro infections and neuro complications, with a focus on HIV Immune Reconstitution Inflammatory syndrome (IRIS), an often deadly complication of antiretroviral therapy (ART) in AIDS patients with opportunistic

infections such as cryptococcal meningitis and tuberculosis. He has led epidemiological, translational, basic science and interventional studies in Uganda in collaboration with colleagues from the University of Minnesota.

He also has a specific interest in prevention of these neuro infections at population level and over the last 5 years, he has advocated for cryptococcal antigen (CRAG) screening and treatment as a strategy to reduce the number of hospital admissions for cryptococcal meningitis in Uganda and recently led a CDC-funded implementation science operational research project evaluating the new WHO recommendation of cryptococcal antigen screening and preemptive fluconazole among HIV-infected patients with CD4<100.

David Ndetei, M.D., Ph.D.

Dr. David Ndetei is a Professor of Psychiatry at the University of Nairobi in Kenya, and the Founder and Director of the Africa Mental Health Foundation (AMHF), a non-governmental organization dedicated to research on mental and neurological health and substance use to generate evidence for policy and best practice in the provision of affordable, appropriate, available and accessible mental health services. The Foundation is a leading center of mental health research in East and Central Africa. Dr. Ndetei has been Principal Investigator or Co-Investigator (Co-I) of nearly all published clinical and community epidemiological studies on mental health in Kenya. He was Co-I of one of the first multicenter studies in the world, which focused on the neuro-psychiatric aspects of HIV/AIDS. His pioneering research on the relationship between intravenous drug use and HIV/AIDS forms the basis of the Kenyan government's current policy on intravenous drug users. He has worked extensively as an international mentor and collaborator to National Institute of Mental Health (NIMH)/National Institutes of Health (NIH)-funded researchers. He is also a member of peer review and advisory committees to the NIMH/NIH and Grand Challenges Canada. Dr. Ndetei has published extensively in leading peer-reviewed journals, co-authored and edited 5 books and compiled 21 monographs based on his work available for public access at the University of Nairobi library. In addition to his academic and AMHF responsibilities, Dr. Ndetei is Chair of the African Division of the Royal College of Psychiatrists (UK) and the World Psychiatric Association (WPA) Zone 14 (East, Central and South Africa) representative. He has worked extensively with the World Health Organization (WHO), the United Nations, the African Technology Policy Studies Network (ATPS), the International Development Research Centre (IDRC) and numerous universities across the globe. He was trained in Kenya at the University of Nairobi and in the UK at the University of London and the Institute of Psychiatry, King's College London, at the Maudsley.

He has mentored over 40 students, residents and fellows through the research program at the Infectious Diseases Institute and continues to be involved in advocacy to improve clinical care and outcomes in a predominantly HIV-infected patient population with limited resources for health.

Millogo, Athanase, MD

Dr Athanase MILLOGO received his Doctorate in Medicine in the University of Abidjan (Ivory Coast) in 1990. He was then trained in Neurology at the Université of Abidjan. He is now Full Professor of Neurology at the University of Ouagadougou in Burkina Faso and the Head of Department of Internal Medicine at the Bobo-Dioulasso Teaching Hospital. He is especially interested in studies related with the etiology of epilepsy in Burkina Faso and also the cultural aspects of this stigmatizing disease in Africa. He is the lead foreign investigator on a R01 project aimed at developing and testing an educational package to control cysticercosis in Burkina Faso. Dr. Millogo is co-author of 32 peer-reviewed publications listed in PubMed.

Robert Opoka, MD

Dr. Robert Opoka is a Senior Lecturer at the Department of Pediatrics at Makerere University in Uganda, and a clinician, researcher and an educationalist presently based at the College of Health Sciences, Makerere University, Kampala, Uganda. He also holds an appointment at the Division of Global Pediatrics, at the University of Minnesota as an Adjunct Assistant Professor. In the past ten years he has been the key Ugandan collaborator for several NIH funded grants (awarded to Professors Chandy John and Michael Boivin) on neurological and neurocognitive impairments in Ugandan children. He heads the emergency Paediatric Unit of Mulago hospital, which is the national referral hospital for Uganda. He also coordinates the medical undergraduate training program in the department Pediatrics at Makerere University. His clinical area of interest is infectious diseases and he is an expert on clinical outcomes of acute illnesses and Professional medical education. He is presently pursuing a PhD in clinical Epidemiology.

Ovbiagele, Bruce, MD

Bruce Ovbiagele is Professor and Chair of Neurology at the Medical University of South Carolina (SC, USA). He is an elected Fellow of the American Academy of Neurology, American Neurological Association and American Heart Association Stroke Council. He has published numerous peer-reviewed papers on stroke epidemiology, stroke prevention and T2/T3 translational stroke research.

Dr. Ovbiagele also serves as a member of the American Society of Neuroimaging, and a member of the American Heart Association Council on Epidemiology and Prevention. He serves as Chair of the Minority Affairs Committee of the American Heart Association Stroke Council and is a member of the American Academy of Neurology Education Committee and

Cerebrovascular/Critical Care/Interventional topics Writing Committee. Dr. Ovbiagele serves on the editorial board of the Journal of Stroke and Cerebrovascular Diseases and as an assistant editor of Stroke, and has served as a reviewer for numerous other journals. He is an active researcher, and his research portfolio has included funding from the NIH, American Heart Association, and industry. Over the course of his career, Dr. Ovbiagele has served as a mentor to numerous residents and fellows. He has served as an oral board examiner and as a member of the Vascular Neurology Examination Writing Committee for the American Board of Psychiatry and Neurology.

Beverly Pringle, Ph.D.

Beverly Pringle, Ph.D., is Chief of the Global Mental Health Research Program at the National Institute of Mental Health, where she provides scientific leadership for the institute's global research activities, monitors NIMH's international grants and activities, and provides technical consultation to the global mental health research community. Dr. Pringle has also served as Chief of the NIMH's Child and Adolescent Mental Health Services Research Program, and, prior to that, as Chief of the Services Research Branch at the National Institute on Drug Abuse. Before joining the NIH in 2002, Dr. Pringle was Senior Research Associate and Managing Director at Policy Studies Associates, where she directed analysis, policy studies, and research in education. She also has served as Supervisor of Virginia's statewide Migrant Education Program and as Assistant Director of State & Federal Programs for Adrian Public Schools, Michigan. Dr. Pringle received her Ph.D. in clinical psychology from the University of Maryland Baltimore County and completed an internship at the Kennedy Krieger Institute.

Radulovic, Jelena, MD, PhD

We study the molecular and cellular mechanisms by which memories of stressful events contribute to anxiety- and depression-like behavior. We employ molecular biological, biochemical and histological techniques to establish the cells, molecules and brain areas relevant for these processes. Pre-clinical studies with pharmacological and/or genetic mouse models are employed to establish the roles of candidate molecules in fear, anxiety and depression-like behavior. Specifically, our interests lies in neuronal receptors, signal transduction pathways and gene responses mediating: (i) formation and extinction of aversive memory in different brain states; (ii) enhancement of fear in the aftermath of stressful experiences; (iii) social modeling of fear; and (iv) the relationship between aversive memories

and depression. Dr. Radulovic's long-term goal is to elucidate the key brain mechanisms linking cognitive and emotional processes and identify novel targets for treatment of anxiety and depression.

Salazar-Villanea, Monica, PhD

Dra. Salazar-Villanea is a Clinical Neuropsychologist and Associate Professor in Psychology at the University of Costa Rica with a dual appointment in the Faculty of Social Sciences and Institute of Psychological Research. She earned her baccalaureate degree from the University of Costa Rica (UCR) in Psychology (Licenciatura). She graduated *Summa-Cum-Laude* at the University of Salamanca, Spain, gaining her PhD in Neuropsychology with expertise in Gerontology (Masters Postgraduate Program; Salamanca). She teaches graduate courses for UCR's Master's in Gerontology, Clinical Psychology, Cognitive Sciences and Neurosciences. She is also member of the Latin American Society of Neuropsychology and Associate Director of the Neuroscience Center. Her areas of interest include: clinical neuropsychology, memory, aging, gerontology, cognitive rehabilitation, and dementia. Dra. Salazar-Villanea is the site PI for the Fogarty International Development Grant (R21TW009665) Epidemiology & Development of Alzheimer's Disease in Costa Rica (EDAD).

Deanna Saylor, MD

Dr. Saylor obtained her undergraduate degrees in chemistry and molecular genetics at The Ohio State University before completing medical school at Johns Hopkins. After an internship in internal medicine at Johns Hopkins Bayview Hospital, Dr. Saylor completed her neurology residency at Johns Hopkins Hospital in 2015 and is currently a neuro-infectious diseases fellow at Johns Hopkins. She will be joining the Hopkins faculty as Assistant Professor of Neurology in July. As a medical student, Dr. Saylor completed a Doris Duke International Clinical Research Fellowship in Kisumu, Kenya where she studied the neurologic effects of HIV infection. Dr. Saylor has continued to pursue her research interests in global health neurology and neuro-HIV through involvement in a cohort of HIV-infected individuals in rural Rakai, Uganda. Her projects within this cohort include identification of risk factors for HIV-associated neurocognitive disorders and peripheral neuropathy as well as characterization of the inflammatory response associated with these conditions. She is also studying the utility of a neuro-epidemiologic screening tool and the prevalence of headaches within this cohort. Dr. Saylor is also interested in the development of neurology training programs in Sub-Saharan Africa, and she is currently working to design a curriculum for a new neurology residency program in Zambia.

Donald Silberberg, M.D.

Donald Silberberg, MD, MA (Hon.), a graduate of the University of Michigan, is Professor and Chair Emeritus of Neurology, at the University of Pennsylvania. He has worked to improve the recognition and care of individuals with neurological disorders in developing countries since his first field experience in Shiraz, Iran, and surrounding villages, in 1974. In the late 1980's he participated in the analysis of epidemiologic data that was the subject of the World Bank's 1993 seminal Annual Report, *Investing in Health*, the Bank's first public recognition of health needs in developing countries. With support from the Global Forum for Health Research, he initiated the development and publication of the 2001 *Institute of Medicine (IOM) Report, Neurological, Psychiatric and Developmental Disorders – Meeting the Challenge in the Developing World*. The

Fogarty International Center (FIC), NIH, responded to the IOM Report by organizing a new grants program, *Brain Disorders Across the Lifespan*, now in its 12th year. In 2003, Dr. Silberberg was invited by the National Security Council (The White House) to develop a proposal for building a children's hospital in Iraq. This led to congressional funding, supplemented by USAID, Project Hope and the governments of Qatar and Spain. The hospital was completed in Bhasra in 2011. Dr. Silberberg has served as a consultant to *WHO*, and to Ecuador's National Assembly regarding development of legislation regarding epilepsy and disabilities. Most recently, with the International Clinical Epidemiology Network (INCLEN) Dr. Silberberg organized an epidemiologic study of neurodevelopmental disorders in India, initially funded by NIH (FIC) and the Indian Health Ministry. Using a newly developed survey instrument, 4,000 households were studied. The Government of India (GOI) responded by initiating a nation-wide study using the methodology developed by INCLEN, for the purpose of identifying children with neurodevelopmental disorders and securing their treatment and rehabilitation. For this purpose, 630 centers are being established across India. The GOI estimates that 230,000,000 children will be screened. The GOI has allocated the rupee equivalent of \$440,000,000 for the program, which will be rolled out over the course of 7 years. Dr. Silberberg serves as Associate Editor for Global Affairs, *Journal of Neurological Sciences*, and Consulting Editor for the newly launched *eNeurologicalSci (eNS)*.

Rahbar, Mohammad PhD:

Dr. Rahbar's research is focused on global maternal and child health, with a particular focus on autism spectrum disorder (ASD). Dr. Rahbar directed the Epidemiology and Biostatistics Program at the Aga Khan University (AKU) in Karachi for seven years (1995-2001). At AKU, with funding from WHO, he conducted a multi-site community based research study assessing the blood lead concentration among children living in Karachi, Pakistan. In 2001, Dr. Rahbar joined Michigan State University (MSU) as Professor of Epidemiology (Biostatistics) and founding Director of MSU's Data Coordinating Center (DCC), serving in the latter role until 2005. He served as PI of the DCC for the Centers for Disease Control and Prevention (CDC)-funded national network of autism research centers during 2004-2008. In 2008, Dr. Rahbar joined the University of Texas Health Science Center at Houston (**UTHealth**) as Professor of Epidemiology and Biostatistics. **He is** Director of Biostatistics/ Epidemiology/Research Design (BERD) Core of Center for Clinical and Translational Sciences (CCTS) at UTHealth. Dr. Rahbar is the founding director of Division of Clinical and Translational Sciences in the Department of Internal Medicine at UTHealth Medical School. Since 2009, with funding from NICHD/FIC (R21HD057808) and NIEHS (R01ES022165), Dr. Rahbar's research team at UTHealth has collaborated with faculty at the University of the West Indies (UWI), Mona campus, Jamaica, to investigate the role of three glutathione-S-transferase (GST) genes (*GSTM1*, *GSTP1* and *GSTT1*), polychlorinated biphenyls (PCBs), organochlorine (OC) pesticides, and six metals (lead, mercury, arsenic, cadmium, manganese, aluminum), and their interactions in relation to ASD in Jamaica.

Sacktor, Ned, MD

My research studies have focused on the epidemiology, clinical characterization, and treatment of HIV-associated neurocognitive disorders (HAND) in both the US and in resource limited countries. As a co-investigator in several longitudinal cohorts evaluating the neurocognitive complications of HIV infection [the NorthEast AIDS Dementia (NEAD) cohort and the Multicenter AIDS Cohort Study (MACS)], I led studies evaluating the impact of combination antiretroviral therapy (cART) on neuropsychological test performance. I developed the International HIV Dementia scale which is now used throughout the world to quickly identify individuals at high risk for HIV dementia. I was part of the panel which defined the research criteria for HAND. In the past decade, we have examined the impact of age on HIV-associated cognitive impairment. In addition, I have examined the epidemiology of HAND in Sub-Saharan Africa (where almost 70% of the global HIV+ population resides), specifically focusing on studies in Uganda, including one of the first studies in Africa to evaluate the prevalence of HIV dementia using a detailed neuropsychological test battery with locally derived normative data. Throughout my academic career, I also have evaluated novel surrogate markers for HAND, and I have led clinical trials for the treatment of HAND.

Sajatovic, Martha, M.D

Dr. Sajatovic is Professor of Psychiatry and of Neurology at Case Western Reserve University School of Medicine in Cleveland, Ohio. Dr. Sajatovic is Director of Geropsychiatry at University Hospitals Case Medical Center (UHCMC) and holds the Willard Brown Chair in Neurological Outcomes at UHCMC/Case Western Reserve University School of Medicine.

Dr. Sajatovic's research interests have focused on illness outcomes in mental illness such as depression and bipolar disorder and in outcomes in neurological conditions including stroke, epilepsy, Parkinson's disease and dementia. She has been the U.S. lead on a neurology medical education partnership initiative (MEPI) project and is Principal Investigator on an NINDS/Fogarty funded stroke risk-reduction project in Uganda. Over the last two decades, Dr. Sajatovic has been the recipient of multiple research grants including support from the National Institute of Mental Health (NIMH), the National Institute of Aging (NIA), the National Institute of Nursing Research (NINR), the Centers for Disease Control and Prevention (CDC), the Ohio Department of Mental Health (ODMH), the Veterans Health Administration (VHA), a variety of Mental Health Foundations, and Industry Sponsored clinical trials. She has authored or co-authored 170 peer-reviewed publications, and has published over 40 book chapters or books on neuropsychiatric topics.

Sathiakumar, Nalini, MD, DrPH,

She is a Professor in the Department of Epidemiology at the University of Alabama at Birmingham (UAB), is an environmental and occupational epidemiologist and a pediatrician and the Associate Director of the South Asia Programs, John J. Sparkman Center for Global Health. After completing her fellowship in pediatrics, she worked as an attending pediatrician in India

and Nigeria for more than 10 years. She travelled to US for further studies and completed her Master of Science in Public Health and then Doctorate in Public Health at UAB. She joined UAB School of Public Health as a faculty in 1991.

She has conducted pioneer research in occupational health, occupational cancers, and health effects of environmental exposures including air pollution, heavy metals, oil spill and pesticides with a special focus on infant and early childhood health. She has led Fogarty-funded ITREOH training grants in South Asia for over 15 years building research and training capacity in environmental and occupational health in India, Sri Lanka and Pakistan. She was instrumental in the development and implementation of a competency-based MPH degree program in Manipal University in India and the University of Kelaniya in Sri Lanka; the latter is the first program in the country. Her research and training work has led to more than 100 journal publications, white papers and book chapters.

Dr. Sathiakumar has also served as an expert for the several US and international organizations including the Institute of Medicine, Centers for Disease Control and Prevention, NIH and World Health organization.

Belinda Sims, Ph.D.

Dr. Sims joined the Prevention Research Branch at NIDA in June 2005. Her program areas include preventive interventions that span the prenatal period through pre-adolescence. Within this developmental age range, her portfolio includes interventions for early childhood, and family-based and school-based preventive interventions. In addition, Dr. Sims' portfolio includes prevention services research (e.g., dissemination and implementation research, economic analysis) and institutional training grants (T32 grants). Dr. Sims received her doctoral degree in Developmental Psychology from Loyola University Chicago. She was the program official for the Child and Adolescent Preventive Intervention program at the National Institute of Mental Health prior to becoming a program official at NIDA, and a Faculty Research Associate in the Department of Mental Hygiene (now Mental Health) at the Johns Hopkins Bloomberg School of Public Health prior to joining NIH.

Sikazwe, Izukanji MBChB., MPH

Dr. Izukanji Sikazwe, Deputy Chief Executive Officer, Centre for Infectious Disease Research in Zambia (CIDRZ), earned her medical degree from the University of Zambia, School of Medicine in 2002. She completed Internal Medicine specialty training at the Good Samaritan Hospital in Baltimore, Maryland and Infectious Disease specialty training at the University of Maryland. She has a Masters degree in Public Health from Michigan State University.

Dr. Sikazwe has worked for several years providing direct clinical patient care to people living with HIV and other infectious diseases in both urban and rural communities in Zambia. She continues to practice clinical medicine at the Adult Infectious Disease Centre of Excellent at University Teaching Hospital.

She also served as the technical advisor to the Zambian Ministry of Health National ART program starting in 2010 for two years. In addition to her executive management role, Dr. Sikazwe is the Principal Investigator of a PEPFAR/CDC-funded HIV Care & Treatment cooperative agreement focused on transitioning HIV programs to the Ministry of Health.

Dr. Sikazwe has special research interests in HIV and seizure disorders as well as implementation research focused on improving access and outcomes of patients in ART care and treatment programs.

Sharon Straus, M.D. FRCPC, MSc, HBSc

Dr. Straus is a Professor in the Department of Medicine at the University of Toronto. She holds a Tier 1 Canada Research Chair in Knowledge Translation and Quality of Care and more than \$30 million in peer reviewed research grants as a principal investigator. She has >300 publications, and has supervised >25 graduate students from different disciplines including clinical epidemiology, health informatics and human factors engineering. She is co-PI of KT Canada, a CIHR and CFI funded national, Clinical Research Initiative, PI of KT Canada's CIHR-funded Strategic Training Initiative in Health Research and PI of a network meta-analysis team grant for the Drug Safety and Effectiveness Network. She is Division Director of Geriatric Medicine at the University of Toronto and Director of the KT Program at the Li Ka Shing Knowledge Institute of St. Michael's. She has authored three books. Evidence-based medicine: How to practice and teach it is in its fourth edition, and has been published in 9 languages; Knowledge Translation in Health Care, is now in its second edition; and the first edition of Mentorship in Academic Medicine.

Tan, Mei

Mei Tan holds two Masters Degrees, one in Modern Literature from the University of California at Berkeley, one in Psychology/Cognition and Learning from Teachers College, Columbia University. As a researcher in the laboratory of Dr. Elena Grigorenko for the past 10 years, she has worked on several international projects, including those that have taken her to the UK, the Netherlands, Greece, Portugal, Russia, Saudi Arabia and Zambia. This work has fed her interest in the development of cognitive skills in different cultural contexts, as well as the translation and adaptation of the instruments needed to measure them. She has a strong interest in child development and education (i.e., the cognitive mechanisms of teaching and learning), with a particular focus on understanding the cross-cultural similarities and differences that may be found across domains of both cognition and academic achievement in different countries. How children learn and what they learn can be quite variable across cultures; context matters. In addition, Ms. Tan is deeply curious about how children's informal experiences in any culture can be transformed into formal knowledge, especially in the domain of mathematics. The challenges of mathematics teaching and learning appear to be almost universal, yet the reasons for this, and potential ways to improve the situation, still seem beyond our grasp. She hopes that clues gathered from across cultures may help assemble a coherent picture of mathematics

learning, from early informal exposure to quantitative reasoning to later experiences with academic mathematics.

Tipre, Meghan BDS, DrPH

I am currently a Post-doctoral Scholar in the Department of Epidemiology at University of Alabama at Birmingham (UAB), under the mentorship of Dr. Nalini Sathiakumar who is the PI on the proposed study. I completed my DrPH and MSPH in Epidemiology from UAB between 2007 and 2014. During this time, I worked as a graduate research assistant under the supervision Dr. Sathiakumar, who was also my thesis advisor. My graduate thesis focused on evaluating the relationship between environmental and socio-demographic determinants and Dengue Fever, in Sri Lanka. This research involved application of both advanced epidemiologic research methods such as time series analysis and generalized linear models and spatial statistics such as hotspot analysis and geographic weighted regression for identifying and evaluating relationships between environmental factors and dengue incidence in Colombo Sri Lanka. Simultaneously I have worked on several research projects funded by the NIH and by industry. These included a R21, D43 training grants, and an RO1 currently ongoing. The research focused on studying effects of different environmental exposures such as indoor and outdoor air pollution, Gulf oil spill, heavy metals on health outcomes including cardiorespiratory diseases, birth outcomes, and infant neurodevelopment. I contributed to analysis of data, writing technical reports for industrial projects and presenting results at national and international conferences.

Tshala-Katumbay, Desire, MD, MPH, PhD, FANA

Dr. Tshala-Katumbay, Desiré earned his M.D. degree (Neurology) from the University of Kinshasa in Zaire; an MPH from Oregon Health & Science University (OHSU) in Portland, Oregon, USA; and a Ph.D. degree (Neurology) from the University of Uppsala in the city of Uppsala, Sweden. In 2001, he joined the Center for Research on Occupational and Environmental Toxicology (CROET) at OHSU in for a postdoctoral training in Experimental Neurotoxicology & Neurology. Currently, he is Associate Professor of Neurology in the School of Medicine at OHSU. His research is fully funded by the US National Institutes of Health (NIH) to study the impact of diet, food (cassava) toxins, and genetic polymorphisms on human (brain) health. Discrete lines of research explore (1) the host-microbiota interactions in response to food (cassava) cyanogens (functional microbiome) and, more recently, (2) the occurrence of neurodevelopmental deficits and epilepsy in a context of Onchocerciasis (river blindness), malnutrition, and mass treatment with antifilarial drugs. Dr. Tshala-Katumbay has extensively worked with academic institutions, governments, and for-profit and non-profit organizations. He has developed a good understanding of the fundamentals and pitfalls of international aid, collaboration, and health interventions. Dr. Tshala-Katumbay's global health philosophy promotes a transdisciplinary approach built on the axis science-health-technology while acknowledging the principles of human rights as key to the success of global health initiatives. Research interests: Neurotoxicology – Food Toxins – Genetics Global Health – Academic

Medicine –Capacity Building. E-mail for contact and/or prospective joint collaborative efforts: tshalad@ohsu.edu.

Vassileva, Jasmin, PhD

Dr. Vassileva is an Associate Professor of Psychiatry at the Institute for Drug and Alcohol Studies at Virginia Commonwealth University. She received her Ph.D. in Clinical Neuropsychology from Rosalind Franklin University of Medicine and Science in 2002. Her research program focuses on the long-term effects of chronic drug use and on the common vs. the unique effects of different classes of drugs on neurocognitive functioning. Her more recent studies investigate the mechanisms underlying impulsivity and risky behavior in the externalizing spectrum of adult psychopathology (drug addiction, psychopathy, antisocial personality disorder, adult ADHD) and within the context of HIV. She has explored impulsivity from different levels of analysis, including neurocognitive, personality, psychiatric, and computational modeling perspectives. Her findings underscore the utility of examining multiple and more narrowly-defined dimensions of impulsivity and contribute significantly to a growing body of literature that reveals important differences between addictions to different classes of drugs. Dr. Vassileva has won a number of NIH awards for her research and has a long history of international collaborations with scientists in Europe and Canada.

Vergheze, Joe, MBBS, MS

Dr. Joe Vergheze graduated from St. Johns Medical College, Bangalore, India. He did his postgraduate training in Internal Medicine and Neurology in United Kingdom. He completed his Neurology residency at the Albert Einstein College of Medicine, Bronx, NY. He did fellowship training in Neurophysiology as well as Aging & Dementia in 1999 at the same institution. Dr. Vergheze is Professor of Neurology and Medicine at the Albert Einstein College of Medicine. He is the Chief of the integrated divisions of Cognitive & Motor Aging in the Department of Neurology and Geriatrics in the Department of Medicine. Dr. Vergheze's research interest is the effects of disease and aging on mobility and cognition in older adults, and he has over 100 peer-reviewed publications and several federally funded research grants in these areas. His current projects include studying the influence of cognitively stimulating activities on reducing risk of dementia and mobility loss, cognitive control of gait and mobility, and global health studies in dementia.

Warf, Benjamin, MD

Dr. Warf received his MD from Harvard Medical School in 1984, completed his neurosurgery training at Case Western Reserve University in 1991. He was the first Fellow in Pediatric Neurosurgery at Boston Children's Hospital and also a Harvard-Macy Scholar in Medical Education. He was Chief of Pediatric Neurosurgery and Director of Surgical Education at University of Kentucky until 2000, at which time he moved his wife and 6 children to Uganda to work with CURE International. There, he was the founding Medical Director of the CURE

Children's Hospital of Uganda - the only pediatric neurosurgery specialty hospital in sub-Saharan Africa - until 2006. He is currently Director of Research for the hospital. During his years in Uganda, Dr. Warf characterized neonatal infection as the chief cause of infant hydrocephalus in the region. He has highlighted the previously under-recognized burden of pediatric hydrocephalus on the continent, testifying before the United States House of Representatives Subcommittee on Africa, Global Health, and Human Rights in 2011. While in Uganda he developed and validated a new procedure to treat infant hydrocephalus (ETV/CPC) that avoided the need for creating shunt dependence, which is especially problematic in low-income countries. This technique has since been adopted by major pediatric neurosurgery centers across North America. He is the founding Medical Director of CURE Hydrocephalus, a specialty program within CURE International that has thus far trained and equipped surgeons in 15 developing countries to perform ETV/CPC. He received the Humanitarian Award from the American Association of Neurological Surgeons in 2007, and a MacArthur "Genius" Award in 2012. He is currently Associate Professor of Neurosurgery at Harvard Medical School, Affiliate Faculty in the Harvard Program in Global Surgery and Social Change, and Director of Neonatal and Congenital Anomalies Neurosurgery at Boston Children's Hospital, where he holds the endowed Hydrocephalus and Spina Bifida Chair. He is also the founder and director of the Global Neurosurgery Fellowship at Boston Children's Hospital. Dr. Warf serves on the CURE International Board of Trustees (also serving as Senior Medical Advisor), the Global Expert Panel for the International Federation for Spina Bifida and Hydrocephalus, and the Advisory Board of the Boston Children's Hospital Global Health Program. He currently chairs the founding Executive Committee for PUSH!, a newly formed global alliance of organizations advocating for worldwide access to prevention and optimal treatment of hydrocephalus and spina bifida.

Yang, Lawrence, PhD

Dr. Lawrence Yang is an Associate Professor of Epidemiology at Columbia University. Dr. Yang received his Ph.D. in clinical psychology from Boston University and completed his clinical training at Harvard Medical School/ Massachusetts Mental Health Center. Dr. Yang's research focuses on the social factors that influence course of SCZ, and he has received training in clinical psychology, anthropology, and psychiatric epidemiology. First, from his NIMH K-award, he has formulated defining theoretical work on how culture relates to stigma and implementing interventions for Chinese immigrants with psychosis in NYC. Second, Dr. Yang is PI of a 5-year NIMH R01 grant examining the neurocognitive and social cognitive underpinnings of the new "clinical high risk state for psychosis" designation, a potentially transformative new syndrome to detect psychotic signs *before symptoms develop* into a full psychotic disorder. Third, Dr. Yang has extensive research in global mental health. He recently received a new 5-year NIMH R01 examining the cognitive characteristics of untreated psychosis in China. He also leads an evaluation of barriers and facilitators to mental health intervention scale-up in Latin America (Chile, Brazil and Argentina) via a U19 NIMH Hub Grant.

He has seventy-one publications (sixty-one peer-reviewed papers plus 10 book chapters; >50% first-authored), including publications in the *British Journal of Psychiatry* and *The Lancet*. Dr. Yang has received eight Early Career Awards, six of which are national, for his work.