

*Professor Monique Chaaya, PI, American university of Beirut, Lebanon
Professor Gunhild Waldemar, Co-PI, Danish Dementia Research Center, Denmark
Dr. Kieu Phung, Project Coordinator, Danish Dementia Research Center, Denmark
Professor Martin Prince, Consultant, King's College London, United Kingdom*

Presenter: Professor Monique Chaaya

R21 PAR-08-113

Dementia Prevalence in Lebanon: A Nationwide Community-Based Cohort Study

Biosketch

I am currently a professor and chair at the Department of Epidemiology and Population Health in the American University of Beirut. I am a 1999 graduate of the Johns Hopkins Bloomberg School of Public Health with a Dr. PH in Mental Health. My main research interests focus on two priorities in public health namely tobacco control and mental health. While working on postpartum depression in 1998, I was struck by the high rate of maternal smoking and decided to pursue this public health issue to better understand women's smoking behavior. At the same time, I developed a particular interest in investigating water pipe smoking, a popular type of tobacco in Lebanon and the region. I published several manuscripts on prenatal smoking. This line of research has led to several collaborations with colleagues at AUB, the Syrian Center for Tobacco Studies (SCTS) and researchers from Memphis University and Virginia Commonwealth University. Other collaborations resulted in successfully securing 4 research grants from Research for International Tobacco Control (RITC) at The International Development Research Centre, Canada. I was the PI one of them: "Determinants & Consequences of smoking the Nargile: Extending the Research Agenda". I conducted research studies on mental health of vulnerable populations, specifically on pregnant women, prisoners of war, displaced and older adults in underprivileged communities. I also validated in Arabic three mental health scales, one of which is the Geriatric Depression Scale (GDS). In 2011, I received an R21 NIH grant to study prevalence of dementia in Lebanon. This study is done in collaboration with research institutions in Denmark (Rigshospitalet, University Hospital of Copenhagen) and UK (King's College London, Institute of Psychiatry). As an epidemiologist with strong quantitative skills, I maintained an active collaboration with colleagues in the Faculty of Medicine and recently was a co PI on a national study looking at rheumatological diseases' burden and risk factors.

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Biosketch

Annette L. Fitzpatrick

Dr. Fitzpatrick is a Research Professor of Epidemiology and Global Health at the University of Washington, Seattle working in the field of aging research for over 23 years. She has been leading the coordination of large multi-site studies of CVD and dementia as the first Program Director for the Cardiovascular Health Study (CHS) in 1990 and continues to lead efforts in events follow-up (R01 HL080295), as co-investigator for the Multi-Ethnic Study of Atherosclerosis (MESA, NHLBI-HC-95159), and is currently PI of several other CVD-related studies including “Epigenetics and Nutrition: DNA Methylation, Dietary Intake and CVD” (1 R21 HL104317-01A1), “Domains of Inflammation and Risk of Dementia” (R01AT006668-01) and “Cognitive Impairment and Co-Occurring Conditions” (5U48DP001911-02). She has recently completed work as PI of the CDC-funded Cardiovascular Health Intervention Research and Translation Network (1 U48 DP000312-01), PI of the ancillary study to CHS “Telomeres and Biologic Aging” (1 R01 HL80698-01), and leader of the Data Coordinating Center for the Ginkgo Evaluation of Memory (GEM) Study (1 U01 AT00162). Her work in genetics is conducted through the multi-study consortium “CHARGE” in which she leads evaluation of neurological phenotypes. Over the past several years, Dr. Fitzpatrick has focused her interests on cardiovascular disease and its risk factors in developing countries with projects in Viet Nam, Nepal, and Chile. Her work in Viet Nam focused on describing stroke and its risk factors in Da Nang, Viet Nam (1 R21 TW008431-01A1) funded by the NIH Fogarty International Center. She teaches EPI 587, Practical Issues of Research Operations, in the UW School of Public Health where she mentors students and clinical fellows.

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Biography

PI: Dushyant P. Purohit, M.D.

Grant Title: Age Related Cognitive Loss in Mumbai, India

Grant Number: R01 AG-028188

Dr. Dushyant P. Purohit received his medical education in India in the late 1960's, then moved to England for graduate training in Pathology and Neuropathology. Currently a senior faculty in Mount Sinai School of Medicine and Mount Sinai Medical Center, he began working on dementia research at Mount Sinai twenty-three years ago as a neuropathologist. His interest in dementia research began while training and working for over 12 years under Sir Bernard Tomlinson in Newcastle, England, where he also received specialty qualification of MRCPATH (Histopathology and Neuropathology) from the Royal College of Pathologists. After joining Mount Sinai, he gained board certification (Anatomic Pathology and neuropathology) and continues working as attending pathologist in diagnostic services and teaching. In the area of research at Mount Sinai, he has been investigator on several grant funded projects and is Brain Bank/Neuropathology Core PI. Working with Dr. Haroutunian, he is integral to the functioning of The Mount Sinai/Bronx VA Brain Bank for Neurodegenerative Diseases that has provided research support to several Center grants and program project grants, including Mount Sinai ADRC and center grants for schizophrenia research, a multicenter grant for study on parkinsonism dementia complex of Guam and program project grants for studies in aging and dementia. His works on the neuropathologic characterization of various neurodegenerative diseases and the data he provides also represent a valuable resource for numerous investigators, both at Mount Sinai and elsewhere. The brain bank, with a collection of over 1600 frozen and formalin-fixed brain specimens, is regarded as one of the best in the USA for research on neurodegenerative diseases. Dr. Purohit has authored and co-authored many peer-reviewed publications.

Dr. Purohit was awarded an R01 grant (R01 AG-028188) "Age Related Cognitive Loss in Mumbai, India", a follow-up grant to a previous R21 grant (R21 AG024065). These grants, under the "Brain Disorders in the Developing World: Research Across the Lifespan" research initiative, carried out research development and established research collaboration at BYL Nair Hospital/ TN Medical College in Mumbai for the studies on clinical/ neuropsychological and pathologic aspects of dementia and brain aging. Dr. Purohit has developed this research project in close collaboration with the Mount Sinai ADRC. He participated in two international conferences on dementia in developing countries held in Nairobi, Kenya in 2004 and 2007 and is invited to participate in the upcoming 2012 conference. He regularly participates in national and international conferences on dementia and neuropathology. He takes part in activities of Fogarty International Center of the NIH, including the study section for its grant programs, and also advises new investigators about collaborative projects in developing countries.

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Diane S. Rohlman/ USA,

Gaafar Abdel Rasoul & Ahmed Ismail/ Egypt,

Diane Rohlman

R21 ES017223,

Assessing Vulnerability of the Adolescent Brain to Organophosphorus Pesticides

Diane Rohlman recently accepted a position as an Associate Professor in Occupational and Environmental Health at the University of Iowa. She also continues in her position as a Staff Scientist in the Center for Research on Occupational and Environmental Toxicology (CROET) and Assistant Professor in the Department of Public Health and Preventive Medicine at Oregon Health & Science University. She received her doctoral degree in Experimental Psychology from Bowling Green State University, specializing in Cognitive Psychology. Dr. Rohlman's research has focused on the design, development and validation of computerized test methods to assess neurotoxic effects and neurological disorders in humans exposed to chemical and physical agents. She has published the results of numerous research projects in the US and internationally that employ neurobehavioral and psychological test methods to study populations of all ages, with emphasis on the detection and characterization of impaired populations exposed to workplace hazards. These methods have been applied in research examining the effects of pesticide exposures in agricultural workers, wartime stressors in Persian Gulf Veterans, and chemical exposures in Air Force fuelers. Dr. Rohlman has extended the neurobehavioral methods developed for adult working populations to children and adolescents. She continues to conduct research examining exposure and health effects in agricultural communities including adult and adolescent agricultural workers and their families here in the United States and is involved in longitudinal studies examining pesticide exposure in children in the Philippines and adolescent and adult pesticide applicators in Egypt. The goal of her research is to improve characterization of the effects of the exposures and improved biomarkers linked to those effects. A second focus of her research has been the development of safety and health interventions to prevent workplace exposures and reduce injuries.

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Dr. MaryAnn Romski/UNITED STATES

Dr. Juan Bornman/SOUTH AFRICA

Grant Number: 1R21TW008999-01A1

Grant Title: Speech and Language Delays in Children with Neurodevelopmental Disorders in South Africa

MaryAnn Romski is Regents Professor of Communication, Psychology, and Educational Psychology & Special Education at Georgia State University in Atlanta. She is dDirector of the Center for Research on Atypical Development and Learning (CRADL) and a member of the Steering Committee for the Research on Challenges to Acquiring Language & Literacy Area of Focus. She is the Associate Dean for Research and Graduate Studies in the College of Arts & Sciences. She is currently a member of the GSURF Board of Directors and the University Senate Research Committee. Dr. Romski is a Fellow of the American Speech-Language-Hearing Association (ASHA), the American Association of Intellectual and Developmental Disabilities (AAIDD), and the International Society for Augmentative and Alternative Communication (ISAAC) and a certified speech-language pathologist with more than 30 years of clinical experience. Her research program, continuously funded through NICHD, NIDCD and IES, focuses on the communication development of children with developmental disorders who do not speak. She has been especially interested in the development and evaluation of computerized communication interventions to augment oral language learning for children with developmental disorders. Dr. Romski has published 3 books, more than 100 articles and chapters, and has given numerous national and international presentations. She is working to extend her research findings in South Africa and China. She serves as Associate Editor for *Infants and Young Children* and recently completed a term on NICHD's Biobehavioral & Behavioral Sciences Review Subcommittee. She is the past chair of ASHA's Publications Board and the National Joint Committee (NJC) on the Communication Needs of Individuals with Severe Disabilities. She remains as AAIDD's representative to the NJC. She co-chaired an NIDCD research conference on "Research Challenges and Future Directions in Evidence-Based Communication Interventions for Individuals with Severe Disabilities".

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BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.

Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Ned C. Sacktor		POSITION TITLE Professor of Neurology	
eRA COMMONS USER NAME (credential, e.g., agency login) NSACKT01			
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Harvard College, Cambridge, MA	AB	1984	Biology
University of Pennsylvania School of Medicine Philadelphia, PA	MD	1988	Medicine

A. Personal Statement

For the past 16 years my research studies have focused on the epidemiology, clinical characterization, and treatment of HIV-associated neurocognitive disorders. With respect to epidemiology, as a co-investigator in the Multicenter AIDS Cohort Study (MACS), we described changes in the incidence of HIV-associated neurological disease after the introduction of highly active antiretroviral therapy (HAART), and have examined the effect of age on longitudinal neuropsychological test performance. In collaboration with Dr. Victor Valcour and Dr. Cecilia Shikuma at the University of Hawaii, we established a cohort specifically designed to examine the effect of aging on HIV-associated cognitive impairment. In the NorthEast AIDS Dementia (NEAD) cohort we validated the International HIV Dementia scale which is now used throughout the world to quickly identify individuals at high risk for HIV dementia. In collaboration with Makerere University, we performed a comprehensive study of the clinical characterization of HIV dementia in Uganda. My research has also evaluated the utility of surrogate markers for HIV Dementia including neuroimaging markers and markers of oxidative stress. With respect to therapy, I have been principal investigator of both small pilot studies (selegiline) and larger studies [AIDS Clinical Trials Group (ACTG) 5235 study (minocycline study)], to examine the efficacy of potential adjunctive therapies for the treatment of HIV dementia. We are currently examining the safety, tolerability and efficacy of both fluconazole and paroxetine for the treatment of HIV dementia with support from the Johns Hopkins NIMH Center for novel therapeutics for HIV-associated cognitive disorders.

B. Positions and Honors

Professional Experience

1988-1989 Internship in Internal Medicine, Graduate Hospital, University of Pennsylvania Medical Institutions

1989-1992 Residency in Neurology, Neurological Institute of New York, Columbia Presbyterian Medical Center

1992-1994 Fellowship in Behavioral Neurology, Neurological Institute of New York, Columbia Presbyterian Medical Center

1994-1996 Instructor of Neurology, Johns Hopkins School of Medicine, Johns Hopkins Bayview Medical Center

1996-2003 Assistant Professor of Neurology, Johns Hopkins School of Medicine, Johns Hopkins Bayview Medical Center

2003-2009 Associate Professor of Neurology, Johns Hopkins School of Medicine

2009- Professor of Neurology, Johns Hopkins School of Medicine

Honors

1984 Summa Cum Laude, Phi Beta Kappa, Harvard College

1997-1998 Maryland Neurological Society President

2004-present Neurologic AIDS Research Consortium Leadership Committee Member

2004-2005 Neurologic AIDS Research Consortium Dementia Focus Group Chairman

2006-2007 Adult AIDS Clinical Trials Group Neurology Subcommittee Chairman

2009-present World Neurology Foundation Board of Directors, Member

C. Selected Peer-reviewed Publications (in chronological order)

Sacktor, N., Bacellar, H., Hoover, D.R., Nance-Sproson, T.E., Selnes, O.A., Miller, E.N., Dal Pan, G.J., Kleeberger, C., Brown, A., Saah, A., McArthur, J.C. Psychomotor slowing in HIV infection: a predictor of dementia, AIDS, and death. *J Neurovirology* 1996;2:404-410.

Sacktor, N. (Corresponding author). The Dana Consortium on the Therapy for HIV Dementia and Related Cognitive Disorders. A randomized, double-blind, placebo-controlled trial of deprenyl and thioctic acid in HIV associated cognitive impairment. *Neurology* 1998;50:645-651.

Sacktor, N.C., Lyles, R.H., Skolasky, R.L., Anderson, D.E., McArthur, J.C., McFarlane, G., Selnes, O.A., Becker, J.T., Cohen, B., Wesch, J., Miller, E.N. Combination antiretroviral therapy improves psychomotor speed performance in HIV+ homosexual men. *Neurology* 1999;52:1640-1647.

Sacktor, N., Schifitto, G., McDermott, M.P., Marder, K., McArthur, J.C., Kieburtz, K. Transdermal selegiline in HIV-associated cognitive impairment: a pilot, placebo-controlled study. *Neurology* 2000;54:233-235.

Sacktor, N., Lyles, R., Skolasky R., Kleeberger, C., Selnes, O.A., Miller, E.N., Becker, J.T., Cohen, B., McArthur, J.C., and the Multicenter AIDS Cohort Study. HIV-associated neurological disease incidence changes: Multicenter AIDS Cohort Study, 1990-1998. *Neurology* 2001;56:257-260.

Sacktor, N., McDermott, M.P., Marder, K., Schifitto, G., Selnes, O.A., McArthur, J.C., Stern, Y., Albert, S., Palumbo, D., Kieburtz, K., Marcaida, J., Cohen, B., Epstein, L. HIV associated cognitive impairment before and after the advent of combination therapy. *J NeuroVirology* 2002;8:136-142.

Sacktor, N., Haughey, N., Cutler, R., Tamara, A., Turchan, J., Pardo, C., Vargas, D., Nath, A. Novel markers of oxidative stress in actively progressive HIV dementia. *J Neuroimmunol* 2004;157:176-184.

Sacktor, N., Wong, M., Nakasujja, N., Skolasky, R., Selnes, O., Musisi, S., Robertson, K., McArthur, J., Ronald, A., Katabira, E. The International HIV Dementia Scale: a new rapid screening test for HIV dementia. *AIDS* 2005 19;1367-1374.

Sacktor, N., Skolasky, R., Selnes, O., Watters, M., Poff, P., Shiramizu, B., Shikuma, C., Valcour, V. Neuropsychological test profile differences between young and old HIV+ individuals. *J Neurovirology* 2007;13:203-209.

Sacktor, N., Nakasujja, N., Robertson, K., Clifford, D. HIV-associated cognitive impairment in Sub-Saharan Africa: the potential impact of clade diversity. *Nature Clinical Practice Neurology* 2007 Aug;3(8) 436-443.

Sacktor, N., Nakasujja, N., Skolasky, R., Robertson, K., Musisi, S., Ronald, A., Katabira, E., Clifford, D. B. Benefits and risks of stavudine therapy for HIV associated neurological complications in Uganda. *Neurology* 2009;72:165-170.

Sacktor, N., Nakasujja, N., Skolasky, R., Rezapour, M., Robertson, K., Musisi, S., Katabira, E., Ronald, A., Clifford, D., Laeyendecker, O., Quinn, T. HIV subtype D is associated with dementia compared to subtype A in immunosuppressed individuals at risk for cognitive impairment in Kampala, Uganda. *Clin Inf Dis* 2009;49:780-786.

Sacktor, N., Skolasky, R.L., Cox, C., Selnes, O., Becker, J.T., Cohen, B., Martin, E., Miller, E., for the Multicenter AIDS Cohort Study (MACS). Longitudinal psychomotor speed performance in HIV+ individuals: impact of age and serostatus. *J NeuroVirology* 2010; 335-341.

Sacktor, N., Miyahara, S., Deng, L., Evans, S., Schifitto, G., Cohen, B.A., Paul, R., Robertson, K., Jarocki, B., Scarsi, K., Coombs, R.W., Zink, M.C., Nath, A., Smith, E., Ellis, R.J., Singer, E., Weihe, J., McCarthy, S., Hosey, L., Clifford, D.B., and the ACTG 5235 team. Minocycline treatment for HIV-associated cognitive impairment: results from a randomized trial. *Neurology* 2011;77:1135-1142.

Sacktor, N., Alger, J., Barker, P., Saharan, P., Carmichael, O., Thompson, P. Subcortical brain atrophy persists even in HAART –regulated HIV disease. *Brain Imaging and Behavior* 2011 5(2) 77-85.

D. Research Support

Ongoing Research Support

P30-MH075673 (McArthur)
Core PI

6/1/06-5/31/16

NIMH

Center for novel therapeutics for HIV-associated cognitive disorders

The major goal of this Clinical Outcomes Core is to validate new outcome measures for epidemiological research and treatment trials and to provide the statistical and data management support for studies involving the Center grant resources.

AI-35042 (Margolick)

4/1/09 - 2/28/14

Co-investigator

NIAID

Multicenter AIDS Cohort Study

The major goals of this project are to characterize the incidence and course of neurological disorders associated with HIV infection, to determine risk factors and predictors of neurological disease, and to determine effects of antiretroviral treatment on development and course of neurologic disease.

AG033655

(Albert)

5/01/09-3/30/14

Co-investigator

NIA

BIOCARD

The major goal of this project is to identify biomarkers that are associated with progression from normal cognitive status to mild cognitive impairment or dementia.

MH-22005,

(Grant)

9/01/10-8/31/15

Co-investigator

NIMH

Long-term effects of potent antiretroviral therapy on HIV-induced nervous system disease (CHARTER)

The major goal is to evaluate the effects of potent antiretroviral therapy on HIV associated neurocognitive disorders.

NS081196-01

(Sacktor)

8/15/12-7/31/17

PI

NIMH

Amyloid Neuroimaging in Older HIV+ Individuals with Cognitive Impairment

The major goal of this project is to examine whether abnormal amyloid deposition as measured by PET AV-45 scanning is present in the brain at a chronically inappropriate age in HIV+ individuals and to determine whether it is associated with cognitive impairment and executive functioning decline.

Completed Research Support (selected- last 3 years)

U01-NS32228 (Sacktor)

8/1/06-12/31/10

PI

NINDS

Neurologic AIDS Research Consortium – 1) International Project - HIV Dementia in Uganda: Response to Highly Active Antiretroviral Therapy – Leadership Award

The major goal of this project is to determine whether highly active antiretroviral therapy improves neuropsychological

Test performance among HIV+ individuals in Uganda with cognitive impairment.

Neurologic AIDS Research Consortium – 2) Minocycline Project – A Randomized, Double-Blind, Placebo-Controlled Trial of Minocycline for HIV-Associated Cognitive Impairment – Leadership Award

The major goal of this project is to determine whether minocycline is safe and efficacious for the treatment of HIV-associated cognitive impairment.

MH71150 (Sacktor)

4/01/05 – 9/31/11

PI

NIMH

Program Director/Principal Investigator (Last, First, Middle):

Oxidative Stress Markers and HIV Dementia

The major goal of this project is to define the association between markers of oxidative stress and HIV dementia and to determine whether markers of oxidative stress predict either the reversibility or progression of HIV dementia.

MH058076 (Ellis)

9/28/06-

7/31/11

Co-investigator

NIMH

HIV Neurocognitive disorders: a randomized clinical trial of CNS-targetted HAART

The major goal of this project is to determine whether designing antiretroviral regimens according to a CNS-targeted strategy improves neurocognitive outcomes compared to a non-CNS targeted strategy among HIV+ individuals with cognitive impairment.

DA004334

(Kirk)

3/27/07-

11/30/11

Co-investigator

NIDA

Natural History of HIV Infection in Injection Drug Users (ALIVE)

The major goals of this project are to investigate epidemiological, clinical and laboratory correlates of morbidity and mortality among a longitudinal cohort of HIV-infected injection drug users.

R01DA12568

(Mehta)

4/15/08-12/31/11

Co-investigator

NIDA

Incidence of HIV Infection in a Cohort of Injection Drug Users

The major goals are to continue follow-up of a cohort of HIV seronegative intravenous drug users in order to identify temporal trends in HIV incidence and risk factors for new HIV infection and non-AIDS, HIV-related morbidity and mortality.

MH082277

(Endres)

1/01/09-12/31/11

Co-investigator

NIMH

PET Imaging with DPA 1189 in HIV Infection

The major goal of this project is to evaluate PET imaging with the DPA 1189 ligand as a marker of inflammation in HIV associated neurocognitive disorders.

MH083465 (Sacktor)

9/15/08-5/31/12

PI

NIMH

HIV Dementia and Sensory Neuropathy in Uganda

The major goal of this project is to describe the epidemiology of HIV dementia and HIV sensory neuropathy among untreated HIV+ individuals with moderate-advanced immunosuppression.

PI: Stephen Schroeder

Grant Title: Early Prevention of Aberrant Behavior in Neurodevelopmental Disorders in Peru

Grant Number: R21HD060500

Stephen R. Schroeder Brief Biosketch

For the past 45 years I have been doing research and research administration in neurodevelopmental disorders in which I have been PI, Co-PI, and I on 15+ NIH grants , R03s, P01s, P30s from NICHD, NIEHS, as well as grants from EPA, ADD, MCH. All of them have focused on multidisciplinary biobehavioral approaches to gene-brain-behavior relationships in neurodevelopmental disorders. Upon retiring from the University of Kansas, I directed a similar center in Saudi Arabia, the Prince Salman Center for Disability Research, for two years. Since returning as an Emeritus Professor, I have focused on Global Health research in neurodevelopmental disorders. I currently hold an R21 from the Fogarty International Research Center on the Early Prevention of Neurodevelopmental Behavior Disorders in Peru at the Centro Ann Sullivan del Peru, a state-of-the-art program I sponsored as Director of the Life Span Institute at KU and since then for the past 20 years. We have worked with more than 25 departments at the University of Kansas on such collaborative projects as the present one

PI: Dr Tshala-Katumbay, Desiré, MD PhD

Staff Scientist, CROET & Associate Professor Neurology, School of Medicine

Oregon Health & Science University, Portland, OR, USA

Research interests: Tropical Neurology – Neurotoxicology - Global Health

Grant Title: Toxicodietary and Genetic Determinants of Susceptibility to Neurodegeneration

Grant Number: R01 ES019841

Dr. Tshala-Katumbay, Desiré earned his M.D. degree (Neurology) from the University of Kinshasa in Zaire, and a Ph.D. degree (Neurology) from the University of Uppsala in the city of Uppsala, Sweden. He completed a postdoctoral training in Neurotoxicology at Oregon Health & Science University (OHSU), Portland, OR. He has also completed a master level training in Public Health Epidemiology and Biostatistics at OHSU. E-mail for contact and/or prospective joint collaborative efforts: tshalad@ohsu.edu.

Overview of research program: For the last decade, I have immersed myself into challenging OMICs technologies to further elucidate the structure-activity requirements for hydrocarbons to induce neurotoxicity, their respective moieties that appear critically associated with mechanisms of axonal degeneration, and OMIC markers of toxicant-induced neurodegeneration. In particular, I exploit the physicochemical properties of natural/environmental or manmade neurotoxicants to probe the pathophysiology of diseases that prominently affect the motor system. I focus on delineating the role of gene variation, toxic exposure, or their interaction, in modulating risk for neurodegeneration. In 2009, I received a 2-year "NIH/Fogarty International Center-NIEHS" grant to explore possible links between food (cassava) cyanogenesis and outbreaks of a motor neuron disease called konzo in Sub-Saharan Africa. In 2011, I was awarded a 5-year R01 from the same NIH institutes to determine whether genetic polymorphisms in the cyanide-detoxifying enzyme thiosulfate sulfur transferase modulate the risk of motor neuron disease and possibly, cognition deficits, among the 500 million of people relying on cassava as staple food around the globe. Research findings, publications, and description of global health activities can be found at <http://www.ohsu.edu/xd/research/centers-institutes/croet/research/tshala-katumbay-lab.cfm>).

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors in the order listed on Form Page 2.
 Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Vassileva, Jasmin		POSITION TITLE Assistant Professor	
eRA COMMONS USER NAME (credential, e.g., agency login) JVassileva			
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YY	FIELD OF STUDY
McGill University	B.A.	1995	Psychology
Rosalind Franklin University of Medicine and Science	M.S.	1999	Neuropsychology / Clinical Psychology
Rosalind Franklin University of Medicine and Science	Ph.D.	2002	Neuropsychology / Clinical Psychology

Positions

2009- Assistant Professor, Dept. of Psychiatry, University of Illinois at Chicago

Selected Peer Review Publications

1. Conrod, P. J., Pihl, R. O., **Vassileva, J.** (1998). Differential sensitivity to alcohol reinforcement in groups of men at risk for distinct alcoholic syndromes. *Alcoholism: Clinical and Experimental Research*, 22, (3), 585-597. PMID: 9622436
2. Martin, E. M., Novak, R. M., Fendrich, M., **Vassileva, J.**, Gonzalez, R., Grbesic, S., Sworowski, L. (2004). Stroop performance in drug users classified by HIV and Hepatitis C virus serostatus, *Journal of the International Neuropsychological Society*, 10, 298-300. PMID: 15012850
3. Martin, E. M., Pitrak, D. L., Weddington, W., Rains, N. A., Nunnally, G., Nixon, H., Grbesic, S., **Vassileva, J.**, Bechara, A. (2004). Cognitive impulsivity and HIV serostatus in substance dependent males. *Journal of the International Neuropsychological Society*, 10, 931-939. PMID: 15803556
4. Gonzalez, R., **Vassileva, J.**, Bechara, A., Grbesic, S., Sworowski, L., Novak, R. M., Nunnally, G., & Martin, E. M. (2005). The influence of executive functions, sensation seeking, and HIV serostatus on the risky sexual practices of substance dependent individuals. *Journal of the International Neuropsychological Society*, 11, 1 – 11. PMID: 15962700
5. **Vassileva, J.**, Kosson, D. S., Abramowitz, C., Conrod, P. J. (2005). Psychopathy vs. psychopathies in classifying criminal offenders. *Legal and Criminological Psychology*, 10, 27-43. DOI:10.1348/135532504X15376
6. Peterson, J. B., Conrod, P. J., **Vassileva, J.**, Gianoulakis, C., Pihl, R. O. (2006). Differential effects of naltrexone on cardiac, subjective, and behavioural reactions to acute ethanol intoxication. *Journal of Psychiatry and Neuroscience*, 31, 386-393. PMID: 17136216
7. **Vassileva, J.**, Gonzalez, R., Bechara, A., Martin, E. M. (2007). Are all drug addicts impulsive? Effects of antisociality and extent of multidrug use on cognitive and motor impulsivity. *Addictive Behaviors*, 32, 3071-3076. PMID: 2128047
8. **Vassileva, J.**, Petkova, P., Georgiev, S., Martin, E. M., Tersiyiski, R., Velinov, V., Raycheva, M., Marinov, P. (2007). Impaired decision making in psychopathic heroin addicts. *Drug and Alcohol Dependence*, 86, 287-289. PMID: 16930861
9. Gonzalez, R., Jacobus, J., Amatya, A. K., Quartana, P. Q., **Vassileva, J.**, Martin, E. (2008). Deficits in complex motor functions, despite no evidence of procedural learning deficits, among HIV+ individuals with history of substance dependence. *Neuropsychology*, 22, 776-786. PMID: 2630709

10. Gonzalez, R., Wardle, M., Jacobus, J., **Vassileva, J.**, Martin, E. M. (2010). Influence of Procedural Learning on Iowa Gambling Task Performance among HIV+ Individuals with History of Substance Dependence. *Archives of Clinical Neuropsychology*, 25, 28-38. PMID: 19939850
11. Gonzalez, R., Schuster, R., **Vassileva, J.**, Martin, E. M. (2011). Impact of HIV and a history of marijuana dependence on procedural learning among individuals with a history of substance dependence. *Journal of Clinical and Experimental Neuropsychology*, 33 (7), 735-752. PMID: 21480022
12. **Vassileva, J.**, Georgiev, S., Martin, E. M., Gonzalez, R., Segala, L. (2011). Psychopathic heroin addicts are not uniformly impaired across neurocognitive domains of impulsivity. *Drug and Alcohol Dependence*, 114 (2-3), 194-200. PMID: 21112701
13. Paxton, J., **Vassileva, J.**, Gonzalez, R., Maki, P., Martin, E. M. (2012). Neurocognitive performance in drug dependent males and females with PTSD symptoms. *Journal of Clinical and Experimental Neuropsychology*, 34(5), 521-530. PMID: 22385364
14. Liu, R. T., **Vassileva, J.**, Gonzalez, R., Martin, E. M. (in press). A comparison of delay discounting among substance users with and without suicide attempt history. *Psychology of Addictive Behaviors*. PMID: 22369220
15. Gonzalez, R., Schuster, R., Mermelstein, R. J., **Vassileva, J.**, Martin, E. M., Diviak, K. R. (in press). Performance of young adult cannabis users on neurocognitive measures of impulsive behavior and their relationships to symptoms of cannabis use disorders. *Journal of Clinical and Experimental Neuropsychology*. PMID: 22882144

A. Research Support

Ongoing Research Support

R01DA021421 Vassileva (PI)
2013

2008–

NIDA & FIC

Varieties of Impulsivity in Opiate and Stimulant Users

The major goal of this project is to examine the personality, psychiatric, and neurobehavioral manifestations of impulsivity in heroin and stimulant addicts.

Role: PI

R03DA025977 Martin (PI)
2009-2012

NIDA

Decision Making and Drug Abuse in the Chicago MACS

Goals are to investigate decision making functions and their relationship to HIV risk behavior among a group of MSMs enrolled in the Chicago MACS who use drugs.

Role: Co-Investigator

R01DA031176 Gonzalez (PI)
2012-2017

NIDA

Decision Making and Episodic Memory in Trajectories to Cannabis Dependence

Role: Co-Investigator

R01DA033156 Gonzalez (PI)
2012-2017

NIDA

The Impact of Cannabis Use on the Neurocognitive Functioning of Individuals with HIV

Role: Co-Investigator

Completed Research Support

R21DA18086 Vassileva (PI) 2003 - 2005

“Neuro-Cognitive Aspects of Opiate Abuse and Antisocial Behavior”

NIDA & FIC

The purpose of this research is to develop and implement international collaborative research between the University of Illinois – Chicago and St-Naum University Hospital of Neurology and Psychiatry in Sofia, Bulgaria and to examine the effects of psychopathy on executive cognitive functioning in heroin addicts.

Role: PI

U01 A10-34993 Cohen (PI)

2006 – 2008

“The Role of Impulsivity in Substance Use and HIV”

NIAID

The goal of this study is to investigate how different types of impulsivity relate to substance use patterns and HIV progression among women enrolled in the Women’s Interagency HIV Study (WIHS).

Role: PI of Subcontract

R21DA025417 Vassileva (PI)

2008 – 2010

NIDA

Neurocognitive Impulsivity and HIV Risk Behaviors in Bulgarian Heroin Users

The goal of this project is to examine how neurocognitive indices of impulsivity relate to HIV risk behaviors in Bulgarian heroin users.

Role: PI