



WAYNE STATE
Academy of Scholars

**ANNUAL MEMBERSHIP
BANQUET**

APRIL 27, 2022



WAYNE STATE

Academy of Scholars

Appointment to the Academy of Scholars is the highest recognition bestowed upon Wayne State University faculty by their fellow colleagues.

Members of the Academy are selected from the most outstanding and widely recognized faculty members at Wayne State University.



AGENDA

5:30 – 6:30 p.m. Cocktails

(Bar remains open through dinner)

6:30 p.m. Dinner

8 p.m. Dessert and Presentations

Welcome

Provost Address

AOS Business

Induction of New members

Junior Faculty Awards

Recognition of Past President

**Academy of Scholars
Committees and Duties**

President and Vice President

Membership Nomination Committee

Junior Faculty Award Selection Committee

Thomas Bonner Book Award Committee

**Undergraduate Research and Creative Projects
Conference**

Commencement Mace bearers

Web Master

Legal Advisor

ANTONIA ABBEY



Antonia Abbey is a Professor of Psychology at Wayne State University. She received her B.A. from the University of Michigan in December of 1975 and her Ph.D. in social psychology from Northwestern University in August of 1982. She then completed a one year postdoctoral fellowship at the Survey Research Center at the University of Michigan. After spending two years as an Assistant Professor at the

Pennsylvania State University, she joined the Department of Community Medicine at Wayne State University as an Assistant Professor in 1985. She loved the interdisciplinary environment that was nurtured by the Chairperson, Dr. John B. Waller, Jr. She was promoted to Associate Professor in 1992, to Professor in 2002, and in 2006, she moved to the Department of Psychology and has enjoyed its collegial environment.

Abbey has a longstanding interest in women's health and reducing violence against women. Her research interests

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include understanding the causes and consequences of sexual assault; alcohol's role in sexual assault; and sexual assault measurement issues. This research has been funded by the National Institute on Alcohol Abuse and Alcoholism, the National Institute of Mental Health, and the Department of Education. She addresses research questions about alcohol's role in sexual assault using survey and experimental research paradigms. She is most well known for her research focused on better understanding the reasons for men's sexual violence toward women. She has published more than 100 journal articles and book chapters and has served on a variety of national advisory committees focused on sexual assault prevention for the Centers for Disease Control and Prevention, the National Institute on Alcohol Abuse and Alcoholism, the National Institute of Justice, and the Pentagon. She also has served on numerous National Institute of Health grant proposal study sections. She was previously an Associate Editor for the *Psychology of Women Quarterly* and is currently the Editor-in-Chief for the *Psychology of Violence*. Abbey's current NIAAA funded research is addressing etiologic and methodological questions regarding alcohol's role in-the-moment in increasing the risk of sexual aggression through the use of virtual reality simulations in alcohol administration research.

M. SAFWAN BADR



Dr. Badr is a Professor and Chair of Internal Medicine at Wayne State University School of Medicine and a Staff Physician at the John D. Dingell VA Medical Center.

Dr. Badr completed a residency in Internal Medicine at Cook County Hospital in Chicago, followed by clinical and research fellowships in Pulmonary, Critical Care and Sleep Medicine at

the University of Wisconsin, Madison. In addition, he completed a Masters of Business Administration degree at the University of Tennessee.

Dr. Badr has served on multiple national and international medical societies. He has served on the Board of Directors of the American Thoracic Society (ATS) and the American Academy of Sleep Medicine (AASM). He was the President of the AASM from 2013-2014. Dr. Badr currently serves on the Board of Directors for the American Board of Internal Medicine (ABIM).

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Dr. Badr is an internationally known sleep disorders researcher and research mentor with an extensive record of funding, publication and mentoring. He has mentored numerous trainees and junior faculty members who have launched successful academic careers.

Dr. Badr is invested in outstanding medical education. He was the founding director of the Wayne State University School of Medicine Sleep Medicine Fellowship program and he teaches and mentors students in multiple departments across the medical school. He has mentored many trainees and junior faculty who went on to develop successful clinical and academic careers.

STEPHANIE BROCK



Stephanie Brock is a native of the Pacific Northwest. She attended the University of Washington as an undergraduate (B.S. Chemistry, 1990), performing research on oxygen-atom transfer reactions under the direction of Professor James M. Mayer. Brock attended graduate school at U. C. Davis, where she worked with Professor Susan M. Kauzlarich in the

area of solid-state chemistry. Her dissertation focused on the synthesis and structure-magnetic property investigations of layered pnictide (Group 15 element anion) and pnictide oxide compounds of Mn and Zn. She graduated in 1995 and began a postdoctoral position at the University of Connecticut with Professor Steven Suib. There, she developed expertise in soft chemistry routes to nanomaterials through the synthesis and characterization of novel manganese oxide colloids. She also worked with ac-glow discharge plasmas for hydrogen generation and carbon dioxide decomposition. In the Fall of 1999, Brock began a tenure-track position in the Department of Chemistry at Wayne State University and was promoted to Associate Professor with tenure in 2005 and Full Professor in 2009. She has been recognized with

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a Research Corporation Research Innovation Award and an NSF-CAREER award. Brock is a Fellow of the American Association for the Advancement of Science (AAAS, since 2012) and the American Chemical Society (ACS, since 2014). She has been recognized at Wayne State with the Career Development Chair Award (2006-2007), the President's Award for Excellence in Teaching (2010), the A. Paul Schaap Faculty Scholar Award (2012-2017), the Charles H. Gershenson Distinguished Faculty Fellowship Award (2013-2014), and the Outstanding Graduate Mentor Award (2019). Brock also serves as an Associate Editor for the ACS journal Chemistry of Materials and is the Inaugural Deputy Editor of the new gold open-access journal ACS Materials Au.

Brock's research efforts at Wayne State University are focused on the design and synthesis of nanoscale materials to address critical needs in energy and the environment. The Brock research group has pioneered solution-phase routes to discrete nanoparticles of transition metal phosphides, arsenides and antimonides for solid-state magnetic refrigeration and electrocatalytic water-splitting. Brock's group has also established a new class of highly porous materials based on metal chalcogenide nanoparticle assembly (chalcogenide aerogels) and these materials are being evaluated for applications in sensing, environmental remediation, and photocatalysis (solar fuels). She has graduated 28 Ph.D. students and 3 M.S. students in the 23 years since her arrival at Wayne State.

MARK LUMLEY



Mark A. Lumley is a Distinguished Professor in the Department of Psychology at Wayne State University. He is a native Detroitier who obtained bachelor's degrees in both Biology and Psychology from Wayne State in 1985. In 1990, he obtained the PhD in Clinical and Health Psychology at the University of Florida, and after a post-doctoral fellowship at the University of Michigan, joined the Wayne State faculty

in 1991, rising through the ranks to Distinguished Professor in 2017.

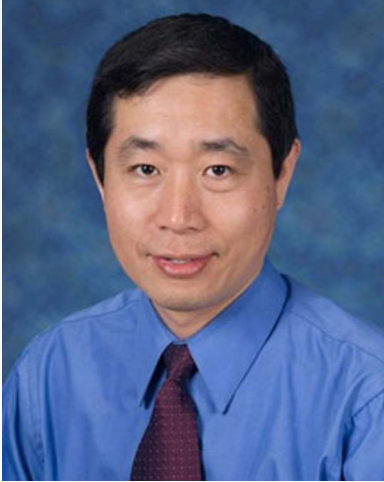
Lumley has long been fascinated by the impact of stress and emotional processes on physical health problems, especially chronic pain. He first studied "alexithymia"—a deficit in emotional awareness and expression—publishing numerous articles on alexithymia's relationship to health. Next, Lumley and his graduate students conducted numerous experimental studies of written (or spoken) emotional disclosure or expression about stress on people's health, showing that this technique has small but reliable health benefits. For the past decade or more, Lumley has developed, tested, and disseminated psychotherapy interventions that target trauma and

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emotional or interpersonal conflicts in people with chronic pain. Collaborating with colleagues and supported by NIH grants, he developed an approach, Emotional Awareness and Expression Therapy (EAET), demonstrating its effectiveness in people with fibromyalgia, irritable bowel syndrome, pelvic pain, chronic musculoskeletal pain, and other problems. Two of the trials show superiority of EAET to the field's gold standard approach, cognitive-behavioral therapy. This work has gained substantial attention among scholars and clinicians as a possible breakthrough in the treatment of patients whose chronic pain is influenced by trauma or stress. The 2019 U.S. Department of Health and Human Services Pain Management Best Practices Inter-agency Task Force Report endorsed EAET for treating chronic pain. Lumley is now developing a training program to teach clinicians how to conduct EAET.

Lumley has published over 175 peer-reviewed articles (Google Scholar h-index of 70) and is on numerous journal editorial boards. He has been on the executive committees of several professional organizations and is a Fellow in the American Psychological Association, Society of Behavioral Medicine, and American Psychosomatic Society. For the last 17 years, he has been the Director of his department's Clinical Psychology PhD program, and he is a very active graduate student mentor, having mentored 45 students to the PhD and receiving Outstanding Mentor awards from both Wayne State and the Society of Health Psychology.

KEZHONG ZHANG



Kezhong Zhang is Professor of Molecular Medicine and Genetics and of Biochemistry, Microbiology and Immunology at Wayne State University. He was born in Shandong, China, and received his B.Sc. degree in Biology and M.Sc. degree in Genetics from Shandong University, in 1992 and 1995, respectively. Zhang went on to study Genetics and Molecular Biology at Fudan University, Shanghai, and earned his Ph.D.

in 1998. From 1998 to 2003, he was a postdoctoral fellow at University of Michigan. From 2003 to 2008, Zhang was first appointed as Senior Research Associate and then promoted to Research Faculty at the University of Michigan Medical Center. He joined the faculty at Wayne State University in 2008 as Assistant Professor, being promoted to Associate Professor with tenure in 2013, and Full Professor in 2017.

Kezhong Zhang is a leading expert in the fields of stress response, cell metabolism, and environmental medicine. He is recognized nationally and internationally for his research works in discovering and defining endoplasmic reticulum (ER) stress response in inflammation and metabolism. He is best known for his major contribution to the discovery of the liver stress sensor CREBH, which is now recognized

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as a key stress-induced metabolic regulator associated with the development of fatty liver disease, hyperlipidemia, atherosclerosis, and type-2 diabetes. He also pioneered the finding that liver is a direct target organ of inhalation exposure to fine airborne particulate matter (PM_{2.5}) and is responsible for air pollution-induced type-2 diabetes. Zhang's works at Wayne State University led to 5 US or internationally issued patents or licensed technologies.

Kezhong Zhang has authored 143 peer-reviewed research papers, many of which were published in the top-tier journals including Nature, Science, and Cell, with over 15,000 citations by scholars in a wide range of scientific disciplines. His research programs have been continuously supported by multiple major grants from National Institutes of Health, Department of Defense, and American Heart Association. His exceptional record as an internationally recognized expert who made major research contributions to stress response, metabolism, and environmental medicine was recognized by Charles H. Gershenson Board of Governors Distinguished Faculty Fellowship Award in 2018. Zhang has maintained a strong commitment to the excellence of teaching at Wayne State University. His success and dedication in teaching and training next generation scientists were recognized by Kamran S. Moghissi Endowed Faculty Award for Excellence in Basic Science Teaching and Wayne State University School of Medicine Distinguished Faculty Award.

MARK BASKARAN



Mark M. Baskaran is a Professor (and currently chair) of Environmental Science and Geology at Wayne State University in Detroit, Michigan. Mark was born in Watrap, Tamilnadu (India). He earned his B.S. (Physics, 1977; V.H.N.S.N. College, Virudhunagar), M.S. (Physics, 1979; Madurai-Kamaraj University) and Ph.D. (Physics, 1985, Physical Research Laboratory (PRL), Ahmedabad),

India. He was a postdoc at PRL (1985-'87) and at University of Alaska, Fairbanks, AK (1987-1988). Prior to coming to Wayne State in 1999, he worked as lecturer/senior lecturer/research scientist in Texas A&M University at Galveston (1988-'19). At Wayne State, he was promoted to Associate Professor in 2000, and Full Professor in 2007.

His primary research focus has been finding novel applications using environmental radioactive isotopes to identify and quantify earth- and near-earth surface biogeochemical processes. His original contributions to the field of Earth Sciences include establishing the first U-Th series-based chronology of Paleolithic cultures in the Northwestern part of India; in freshwater system, he showed evidence for long-term remineralization of organic-rich sediment record, and the role of pore water chemistry on the post-depositional mobility of ^{137}Cs . In marine

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environment, he estimated the residence time of colloidal thorium, showed evidence for extensive remineralization of biogenic particulate matter in the Arctic water column from ^{210}Po : ^{210}Pb disequilibrium, established the first dating method for Arctic snow, ice core, melt ponds and-rafted sediment. He has recently documented the impact of climate change over 8 years (2007-2015) on the partitioning of biogenic polonium and lithogenic lead in the Arctic Ocean. He has published over 150 peer-reviewed research publications, with over 9,600 cumulative Google Scholar citations, h-index 59. He pioneered the dating of recent speleothem, mollusks, and travertine using ^{210}Pb .

He published a solo-edited 2-set volume in 2011 entitled "Handbook of Environmental Isotope Geochemistry" (Springer), which serves as standard reference book in the field, and the first Monograph on Radon on 2016 (Springer). He was awarded Charles H. Gershenson Board of Governors Distinguished Fellowship in 2010-2012, Board of Governor Faculty Recognition Award in 2013 and Senior Fulbright Scholar award (Turkey in 2015). He has given invited talks over 65 institutions (including Caltech, Oxford-UK, U of M-Ann Arbor, Univ. of Toronto, Chinese Acad. of Scien., IISc and IIT (both in India), Stellenbosch Univ. (Cape Town, S. Africa), etc.). He took lead role in establishing Devendra Lal Memorial Medal, Union-level award) to promote scientific excellence in developing countries and served as inaugural chair for the selection committee (2017-2021), and served as selection committee member for the National Fulbright Screening Committee (2019-2021) and Honors and Recognition committee (AGU, 2022-2023).

VLADIMIR CHERNYAK



Vladimir Y. Chernyak is a Professor of Chemistry and Adjunct Professor of Mathematics at Wayne State University in Detroit, Michigan. Vladimir was born in Moscow, USSR. He graduated from Mathematical School No. 2 in Moscow in 1973 and earned his M.Sc. degree in Theoretical High-energy Physics from Moscow institute for Physics and Technology, under supervision of Alexander M.

Polyakov, in 1979. Chernyak received his Ph.D. degree in Theoretical Optical Physics from the USSR Academy of Sciences, under the supervision of Vladimir M. Agranovich in 1983. From 1982 to 1992 he worked as a Staff Member in several research institutions of the USSR National Bureau of Standards and the USSR Academy of Sciences. In 1992 he moved to the U.S. and worked at the Chemistry Department of the University of Rochester, first as a Visiting Scientist, then a Scientist, and lastly as a Senior Scientist from 1992 to 2000. He worked at the Modeling and Simulation Department in Corning Incorporated from 2000 to 2004 and then moved to Wayne State University as a full Professor of Chemistry in 2004.

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Chernyak is most known for his contributions to non-equilibrium statistical mechanics, optoelectronic materials, optimal control, networks and power systems, theoretical femtosecond nonlinear spectroscopy, the theory of open quantum systems, and theoretical chemistry in general. The overarching theme characterizing his research is developing methods of nonequilibrium statistical mechanics and applying them to successfully treat a diverse set of challenging problems in chemical physics, optics, spectroscopy, networks, algorithms, and optimal control.

Chernyak's current research interests are in the areas of integrable non-equilibrium quantum systems, nonlinear spectroscopy that uses quantum/entangled light and electron sources, characterization of quantum entanglement in complex systems using methods of algebraic geometry and algebraic topology, with applications to processing of quantum information in chemical systems.

Chernyak published more than 240 papers in the areas of Chemical Physics/Physical Chemistry, Nonlinear Spectroscopy, Nonlinear, Quantum, and Fiber Optics, Optical Telecommunications, Condensed Matter Theory, Non-Equilibrium Statistical Mechanics, Coding Theory, Algebraic Topology, and Mathematical Physics. He was elected Fellow of American Physical Society in 2016.

DAVID CINABRO



David Cinabro is from the south suburbs of Chicago, was an undergraduate at the University of Chicago in physics and math, and received his PhD in Physics at the University of Wisconsin-Madison under the mentorship of San Lan Wu. His thesis was on heavy flavor physics with the ALEPH detector. He was a postdoc at Harvard working on the CLEO experiment where he worked on the interface between the detector and the

accelerator. He became a Professor at Wayne State and was co-spokesperson of CLEO leading a major up-grade of the experiment, and working on rare bottom and charm quark decays. He worked on Supernova Cosmology as a member of the Sloan Digital Sky Survey and joined the Belle experiment in Japan continuing work on the heavy quarks. He was chair of Wayne State's Department of Astronomy and has just started an appointment in Department of Energy's Office of Science as a Division Director in Nuclear Physics.

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TANJA JOVANOVIC



Tanja Jovanovic, PhD, is a Professor in the Department of Psychiatry and Behavioral Neurosciences and the David and Patricia Barron Chair in PTSD Neurobiology at Wayne State University. Dr. Jovanovic completed her B.S. in Biology from Oklahoma Christian University in 1994, and went on to receive her Ph.D. in Neuroscience from Emory University in 2002.

She continued to work as a

Postdoctoral Fellow and then as an Assistant Professor at Emory University, developing her research program in trauma-related disorders. Until 2018, she directed the Grady Trauma Project in Atlanta, when she was recruited to an Endowed Chair position at Wayne State University to direct a translational neuroscience center for trauma. She now directs the Detroit Trauma Project (www.detroittraumaproject.com), which investigates the impact of urban trauma exposure on the brain. Her research employs psychophysiological (e.g. fear-potentiated startle, skin conductance response, heart-rate variability) and brain imaging methods (e.g. MRI, fMRI) to examine biomarkers of risk for trauma-related psychopathology, such as post-traumatic stress disorder (PTSD). Dr. Jovanovic has received multiple NIH grants and two awards from

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the Brain and Behaviour Research Foundation. Currently, Dr. Jovanovic is the Principal Investigator on two R01 research projects from NIMH; the first investigates brain development in children with urban trauma exposure, and the second examines neurobiological mechanisms of comorbid PTSD and HIV. Dr. Jovanovic is also dedicated to training the next generation of excellent scientists, and has mentored trainees at multiple levels from high school, undergraduate students, graduate students, medical students and residents, postdoctoral fellows and junior faculty. She has especially focused on training women and underrepresented minority trainees and many of her students and postdocs and gone on to build successful careers in academia. She currently mentors two graduate students (one is a F31 fellow) in the WSU Translational Neuroscience Program, a postdoctoral fellow, and several junior faculty, including several K awardees. She has also been involved in mentoring at a national level, as Co-Chair of the Alies Muskin Career Development Leadership Program (CDLP) of the ADAA and member of the Education and Training Committee of the American College of Neuropsychopharmacology. In addition, she serves on the Board of Directors of the Anxiety and Depression Association of America (ADAA), and on the Scientific Advisory Board of DynaMORE, an international consortium to study resilience. She has published over 230 peer-reviewed papers and served on national and international grant review panels.

JUN LI



Dr. Jun Li will become the Chairman of the Stanley H. Appel Department of Neurology at the Houston Methodist Hospital, effective on June 1, 2022. He most recently served as a tenured Professor and the Chairman of the Department of Neurology, the Scientific Director of Translational Neuroscience Initiatives at Wayne State University (WSU), and the Specialist-in-Chief of Neurology

at the Detroit Medical Center.

Dr. Li spent nine years of his junior faculty career at WSU and another nine years at Vanderbilt University before taking on the chair position at WSU in March 2018. As a physician-scientist, he subspecializes in peripheral nerve diseases and myelin biology. NIH has continuously funded his laboratory since 2004. He has published more than 90 articles in peer-reviewed journals and book chapters. These contributions earned him a Wolfe Research Prize from the American Neurological Association in 2014.

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In addition to his own work, Li has a passion for mentoring students, post-doctoral scientists, and junior faculty. Many of his trainees have become independent investigators in academic institutions.

He is a newly elected councilor of the Association of University Professors of Neurology (AUPN) and a current member of the American Neurological Association Board of Directors. He has also served as a member of the Scientific Advisory Board for the Muscular Dystrophy Association, the Charcot-Marie-Tooth Association, and the scientific committee of the Peripheral Nerve Society. He has been a member of NIH study sections for more than a decade.

Dr. Li received his medical degree from Anhui Medical University in China in 1985, and his PhD in Neurosciences in 1995 from the Drexel University College of Medicine (formerly Hahnemann University). He completed a Neurology residency in 1999 at the Ohio State University; and an EMG/Neuromuscular Fellowship in 2000 in the Department of Neurology at the University of Utah, Salt Lake City.

STEVEN WINTER



Steven L. Winter is the Walter S. Gibbs Distinguished Professor of Constitutional Law. He joined Wayne State University in 2002 and was promoted to distinguished professor in 2017.

Professor Winter is a graduate of the Columbia Law School. After law school, he clerked for Judge Paul R. Hays of the U.S. Court of Appeals for the Second Circuit. From 1978

to 1986, he served as an assistant counsel for the NAACP Legal Defense & Educational Fund Inc., where he litigated a wide range of civil rights cases. He worked on more than a dozen U.S. Supreme Court cases, including brief and argument in *Tennessee v. Garner*, 471 U.S. 1 (1985), the landmark case holding the common law fleeing felon rule unconstitutional.

He is the author of *A Clearing in the Forest: Law, Life and Mind* (Univ. of Chicago Press 2001), the first systematic attempt to assess the implications of cognitive science for law and legal theory. He is the author of numerous articles and book chapters on constitutional law, jurisprudence, democratic theory, and law and language. They include “‘Who’ or ‘what’ is the rule of law?” published in

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Philosophy and Social Criticism in 2021, "Does Justice Have a Syntax?" in the Journal of Legal Education in 2019, "Frame Semantics and the 'Internal Point of View,'" in Current Legal Issues Colloquium: Law and Language (Michael Freeman & Fiona Smith eds.) published by the Oxford University Press in 2013; "Law, Culture, and Humility" in Law and Humanities: An Introduction (Austin Sarat, Mathew D. Anderson, & Catherine O. Frank eds.) published by Cambridge University Press in 2010; and "What is the 'Color' of Law?" in Cambridge Handbook of Metaphor and Thought (Ray Gibbs ed.) in 2008.

In 2012, the Dutch Association of Legal Philosophy and the Netherlands Journal of Legal Philosophy held a conference honoring his work as "an outstanding international scholar who has made significant contributions to legal and political theory." A special issue, "Steven L. Winter: Political Freedom, the Free Market, and Consumerism," appeared in Volume 41 of the Netherlands Journal of Legal Philosophy that same year.

Professor Winter has served as a consultant for both the CIA and the Helsinki Watch Committee. He was a faculty member at the University of Miami School of Law (1986-97), the Brooklyn Law School (1997-2002), and has taught at American University's Washington College of Law and the Cardozo, Rutgers-Newark, and Yale law schools.

LAUREN DUQUETTE-RURY



Dr. Lauren Duquette-Rury is Associate Professor of Sociology and 2022-2023 Career Development Chair at Wayne State University. Her research and teaching focus on the political sociology of international migration, race, and ethnicity, vigilantism and armed collective resistance, democracy and development, and mixed methods research. Before joining Wayne State in 2018, she was Assistant Professor of Sociology at UCLA and UC President's Post-doctoral Fellow.

Dr. Duquette-Rury publishes original research articles in leading sociology and interdisciplinary peer-review journals including the *American Sociological Review*, *International Migration Review*, *Journal of Ethnic and Migration Studies*, and *Social Science & Medicine*. Her first book, *Exit and Voice: The Paradox of Cross-Border Politics in Mexico*, was published with the University of California Press in 2020. The book is the recipient of several awards from the American Sociological Association, the American Political Science Association, and the International Studies Association. She is currently working on her second book project, tentatively called, *Naturalizing Under Threat: Citizenship in the Age of Immigration Enforcement* funded by a Presidential Authority Grant in the Russell Sage Foundation and Carnegie Foundation Special Initiative on Immigrant Integration. In addition to the book project, she is preparing a collection of papers that explores how international migration shapes the emergence of self-defense vigilante forces in violent democracies and analyzing the effects of United States interior immigration enforcement and the carceral state on the health and wellness of Latino/as/x and Arab origin immigrants.

Duquette-Rury received her Ph.D. from the University of Chicago and my B.A. in International Studies (with honors) from the University of North Carolina, Chapel Hill. Before returning to academia, she worked as an economic analyst for the Economic Research Service at the USDA and Nathan Associates, an economic consulting firm in Washington, D.C.

JENNIFER GÓMEZ



Dr. Jennifer M. Gómez is an Assistant Professor at WSU in the Department of Psychology and Merrill Palmer Skillman Institute for Child & Family Development (MPSI). In July 2022, she will begin as an Assistant Professor at Boston University (BU) School of Social Work, Clinical Practice Department, and Faculty Affiliate at BU's Center for Innovation in Social Work & Health. Dr. Gómez is a member of the External Advisory Committee for the Campus Culture & Climate Initiative at Dartmouth College and Board Member and Chair of the Research Advisory Committee at the Center for Institutional Courage. She is also a member of the

Scientific Committee of the International Society for the Study of Trauma & Dissociation (ISSTD), as well as a member of the American Psychological Association (APA) Presidential Task Force on culturally informed trauma and grief recovery. Dr. Gómez is a co-editor of the 2021 special issue of *Journal of Trauma & Dissociation* (JTD), *Discrimination, Violence, & Healing in Marginalized Communities*, co-editor of the special issue of JTD, *Self Injury & Suicidality: The Impact of Trauma & Dissociation* (2015), and member of the Editorial Boards of JTD and *Journal of Clinical & Child Adolescent Psychology*.

For the 2021-22 academic year, Dr. Gómez is a Fellow at the Stanford University Center for Advanced Study in the Behavioral Sciences (CASBS), where she is writing her book, *Cultural Betrayal: From Violent Silencing to Healing from Sexual Abuse for Black Women & Girls* (Publisher: APA Books, press for the American Psychological Association). In addition to being recognized by the National Academy of Sciences (NAS) as a former Kavli Fellow, her research has been funded by the Ford Foundation Fellowships Program, administered by the National Academies of Sciences, Engineering, & Medicine (NASEM), and The Michigan Center for Urban African American Aging Research (MCUAAAR).

Dr. Gómez has published over 100 peer-reviewed journal articles, book chapters, scholarly writings, pieces for the general public, and professional development documents. She has additionally contributed research perspectives in national news outlets, such as *Newsweek* and *Forbes*. Finally, she has given over 100 research presentations at conferences, other universities, and community organizations, including the United Nations Commission on Narcotic Drugs (UN CND) Side Events, the NASEM Action Collaborative on Preventing Sexual Harassment in Higher Education Public Summit, *BBC Woman's Hour*, *Motor City Singers Space*, and *Detroit Public Schools via Michigan Opera Theatre*.

Website: <http://jmgomez.org>; Twitter: @JenniferMGmez1

FEDERICO RABUFFETTI



Federico Rabuffetti is a native of Uruguay, from where he came in 2005 to conduct Ph.D. studies in Chemistry at Northwestern University. There he worked under the cosupervision of Professors Kenneth Poepelmeier and Peter Stair on the discovery of materials for heterogeneous catalysis.

In 2010 he moved on to University of Southern California where he worked under the mentorship of Professor Richard, focusing on energy storage nanomaterials. He joined Wayne State University in 2014 as an Assistant Professor and was promoted to Associate Professor in 2020. His research areas include discovery and design of luminescent materials for biophotonics and extreme environments. In 2018, he was distinguished by the Research Corporation for Science Advancement with a Cottrell Scholar Award.

JUNIOR FACULTY AWARD 2020

KAMRAN AVANAKI



ANA DAUGHERTY



Ana Daugherty is an assistant professor joint appointed to the Department of Psychology and the Institute of Gerontology. She earned her doctorate in Psychology (Behavioral and Cognitive Neuroscience) from Wayne State University. She completed a competitive post-doctoral research fellowship at the Beckman Institute for Advanced Sciences and Technology at the University of Illinois Urbana-Champaign. In 2018, she returned to the University and established the Healthy Brain Aging laboratory. She has recently received a number of honors: the Rising Start award from the National

Alzheimer's Coordinating Center and the Excellence in Teaching in the College of Liberal Arts and Sciences in 2021, and the Excellent Postdoctoral Mentorship award in the Graduate School in 2022.

Dr. Daugherty's research evaluates changes in brain structure and function in the course of aging. She studies the role of cardiovascular and metabolic health as a risk factor for Alzheimer's disease and related dementia, and lifestyle factors that can modify risk. Hypertension and metabolic syndrome are the most common modifiable risk factors for dementia, and the disproportionate prevalence of these conditions among Black, African American and Hispanic older adults contributes to disparities in cognitive aging. Clinical treatments for these conditions do not completely mitigate the risk for dementia, suggesting additional factors that are driving progressive neurodegeneration across the adult lifespan. Dr. Daugherty applies multi-modal MRI, blood biomarkers, and cognitive assessments to characterize mechanisms that may convey this risk with the long-term goal to inform early interventions to prevent or slow the progression of neurodegenerative disease. Her research is externally funded by the National Institutes of Health, and she is affiliated with the NIH-funded Michigan Alzheimer's Disease Research Center. She is the lead site investigator of a R01-funded, multi-site initiative for the Hippocampal Subfield Group—an international collaboration of over 250 researchers from 15 countries dedicated to the development and validation of MRI methods to study hippocampal structure in lifespan development and disease. Her research is predicated on clinical translation and community-partnership, which was exemplified by her contributions to the 2020-21 Connect Seniors initiative to deliver tech-enabled healthcare and education to Metro Detroit seniors in partnership with United Way and Connect313 that was awarded a CARES Act grant.

LONG LUO



Long Luo is an assistant professor in the Department of Chemistry at Wayne State University. He was born in Jiangxi Province, China, and received his B.S. in applied chemistry from Beijing University of Aeronautics and Astronautics in 2009. After graduation, he joined the University of Utah for graduate study and received his Ph.D. in chemistry in 2014. Before joining Wayne State University in 2017, he worked as a postdoctoral fellow in the Department of Chemistry at the University of Texas at Austin.

Long Luo is a rising star in the field of electrochemistry. His work is characterized by exceptional creativity and intellect, enabling him to position himself at the intersection of diverse fields. He is applying electrochemistry to address a range of contemporary issues, including PFAS detection, gas sensing (NO₂, VOCs, H₂), targeted organic synthesis, and renewable energy generation. He has a unique ability to conjure electrochemical solutions to diverse, cross-disciplinary problems, as documented in 22 peer-reviewed publications since his arrival at Wayne State University and as recognized with the prestigious CAREER Award from the National Science Foundation and the Maximizing Investigators' Research Award from the National Institutes of Health. He was selected as a Nanoscale Emerging Investigator and the Langmuir inaugural Early Career Advisory Board Member. As an electrochemist, he is also committed to promoting undergraduate and graduate students' interest in electrochemistry. He founded the Detroit student chapter of the Electrochemical Society, the first and only one in Michigan, and have served as the faculty advisor since its beginning.

HILARY MARUSAK



Dr. Hilary Marusak is a tenure-track Assistant Professor in the Dept. of Psychiatry and Behavioral Neurosciences at Wayne State University (WSU) School of Medicine. Dr. Marusak directs the Trauma History Investigation of Neurodevelopment in Kids (THINK) lab at WSU (wsuthinklab.com). Her lab incorporates neuroimaging, behavioral, and physiological approaches to understand neurodevelopmental mechanisms leading to anxiety and other fear-based disorders (e.g., PTSD) in children and adolescents. She is the Principal Investigator of a currently funded NIMH K01 project (MH119241) that aims to characterize the role of the endocannabinoid

system in the development of fear extinction and underlying neural circuitry across adolescence. During her postdoctoral fellowship, she was awarded fellowships from the NIMH (F32) and the American Cancer Society to study the impact of childhood trauma and other environmental stressors (e.g., community deprivation) on neural development in urban youth, and in pediatric cancer patients who can develop fear and anxiety associated with medical procedures. She has developed a novel paradigm to study neurobiological and developmental mechanisms underlying fear regulation in pediatric populations, and this work has led to a neurodevelopmental model of disrupted fear regulation and underlying neural circuitry in at-risk trauma-exposed youth. Dr. Marusak has been successful in terms of external and internal grant awards and publications, with 43 peer-reviewed publications (22 as first-author) in high impact journals, including *Neuropsychopharmacology* and *Human Brain Mapping*. She was recently elected as Junior Councilor for the Society of Biological Psychiatry and serves as Social Media Editor for the *Journal of Neuroscience Research*. In addition to her research and scholarly activities, Dr. Marusak is committed to mentorship, science communication, and advocacy. Her mentees have published ten first-authored publications, presented at numerous national and international conferences (e.g., Human Brain Mapping, Society for Neuroscience, Society of Biological Psychiatry), and won numerous awards (e.g., 2020 Stanley M. Kaplan Medical Student Essay Award, Science Coalition's Fund it Forward Video Challenge, Medical Student Research Fellowships, Undergraduate Opportunity Program Award). Each summer, her lab mentors underprivileged Detroit high school students on individual research projects through the School of Medicine's Biomedical Career Advancement Program (BCAP). In 2021, she launched a podcast, "BrainSTEM", with two trainees with the goal of reducing stigma about brain disorders and providing easy-to-understand, evidence-based information about the brain to a wide audience. In 2020, Dr. Marusak cofounded with three students Science Policy Network-Detroit, a group that aims to improve science communication and advocate for science-based policies.

SAMUELE ZILIOLO



Samuele Zilioli is an Assistant Professor in the Department of Psychology and Department of Family Medicine and Public Health Sciences. He received his Ph.D. in Cognitive and Neural Sciences from Simon Fraser University under the supervision of Dr. Watson and was the recipient of the Governor General's Gold Medal for achieving the highest academic standing upon graduation. Before becoming faculty at Wayne State University, Dr. Zilioli completed a postdoc in health psychology working with Dr. Slatcher. Dr. Zilioli received several awards, including the WC Young Recent Graduate Award from the Society for Behavioral Neuroendocrinology, the Rising Star Award from the

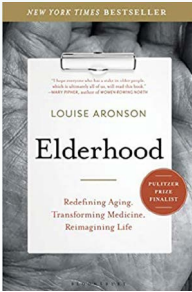
Association for Psychological Science, the Excellence in Health Psychology Research by an Early Career Professional Award from Division 38 of the American Psychological Association, and the Neal E. Miller New Investigator Award from the Academy of Behavioral Medicine Research.

Dr. Zilioli's research program focuses on understanding socioeconomic status (SES) and racial health disparities from a biopsychosocial perspective. Within the broad context of SES and racial health disparities, he is specifically interested in the links between social stressors, psychosocial resources (e.g., social support, coping strategies, positive interpersonal relationships), and endocrine function (e.g., glucocorticoid-related mechanisms), and the extent to which these mechanisms serve as pathways through which stress affects other biological systems (e.g., immune, cardiovascular, and metabolic) and physical health and wellbeing across the lifespan. His research aims to establish biologically and psychologically plausible models that connect social phenomena to health and disease.

Dr. Zilioli's research has been funded by the National Institute of Justice (NIJ) and the National Institute of Health (NIH). Together with Dr. Smith, Dr. Klahm, and Dr. Cutchin, he launched the Police Stress Research Group (PSRG). The PSRG has been funded by NIJ and focuses on understanding safety, health, and wellness factors among Detroit police officers. Current NIH-funded projects include two Detroit-based projects, The Heart of Detroit Study (THDS) and the Asthma in the Lives of Families Today (ALOFT) study. THDS is a mixed-method investigation of the daily psychosocial processes contributing to cardiovascular disease risk in middle-aged and older African Americans. The ALOFT study uses genetics and rigorous measures of social exposures, inflammation, and clinical asthma evaluations to understand the psychosocial determinants of gene expression and asthma health in primarily African American youth and their families. Dr. Zilioli co-leads the ALOFT study with Dr. Luca, Dr. Pique-Regi, and Dr. Slatcher.

2020 // LOUISE ARONSON

Elderhood: Redefining Aging, Transforming Medicine, Reimagining Life

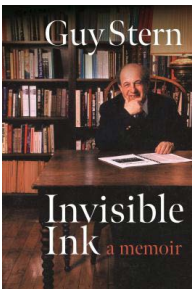


For more than 5,000 years, “old” has been defined as beginning between the ages of 60 and 70. That means most people alive today will spend more years in elderhood than in childhood, and many will be elders for 40 years or more. Yet at the very moment that humans are living longer than ever before, we’ve made old age into a disease, a condition to be dreaded, denigrated, neglected, and denied.



2022 // GUY STERN

Invisible Ink - a memoir



Invisible Ink is the story of Guy Stern’s remarkable life. This is not a Holocaust memoir; however, Stern makes it clear that the horrors of the Holocaust and his remarkable escape from Nazi Germany created the central driving force for the rest of his life.

BONNER BOOK AWARD

The Bonner Award is named in honor of Dr. Thomas N. Bonner, past president of Wayne State University and The Academy of Scholars.

In the spirit of Dr. Bonner's commitment to strengthening programs in arts and sciences, the prize was established in 2000 to recognize the best recent book in English on the theory and practices of the Liberal Arts, with special consideration given to studies bridging the "two cultures" of the sciences and the humanities.

The monetary prize is awarded in a two-year cycle to a book published within the cycle. In the second year, a Call for Nominations is issued with an early December deadline. All nominations must be accompanied by two copies of a book, as indicated in the instructions below. The recipient of the Prize is announced by spring of the following year and the author(s) invited to participate in a symposium on the book in the fall on the Wayne State University campus.



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