



# WAYNE STATE UNIVERSITY

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## ANNUAL MEMBERSHIP BANQUET

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OCTOBER 23, 2023



## WAYNE STATE UNIVERSITY

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*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.*

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# AGENDA



**5:30 p.m. Reception Begins**  
*(Bar remains open through dinner)*

**Welcome - Charles A. Schiffer**

**7 p.m. Dinner**

**8 p.m. Dessert**

**Induction of New Members**

**Junior Faculty Awards**

**Recognition of Past President**

# Eduard Y. Chekmenev



**Eduard Y. Chekmenev** serves as a Professor of Physical and Analytical Chemistry at the Department of Chemistry and also at Karmanos Cancer Institute (KCI) via Integrative Biosciences (iBio) initiative. His research is focused on developing new methods and technologies to enable novel molecular imaging techniques for applications ranging from real-time metabolic imaging of cancer to imaging of pulmonary function. His primary area

of expertise is in the field of hyperpolarized Magnetic Resonance Imaging and Spectroscopy with primary focus on next-generation molecular imaging of metabolism of cancer and other diseases. His lab employs the process of NMR hyperpolarization that increases the detection sensitivity of magnetic resonance by five or more orders of magnitude, offering unprecedented MRI signal gains. As a result, it becomes possible to detect low-concentration metabolites and their biochemical reaction products in vivo. Current research activities include the development of hyperpolarized pyruvate for molecular imaging of cancer, and hyperpolarized gases for functional imaging of pulmonary function. His long-term goal is to empower doctors and communities with easily accessible scan that not only improves individual patient

outcomes, but also addresses the iron triangle of health care: access, cost and quality. Dr. Chekmenev co-authored over 200 peer-reviewed scientific publications, and over a dozen of patents and patent applications that have been cited over 10,000 times (h-index 55).

Chekmenev received a PhD in Physical Chemistry at the University of Louisville, KY in 2003. He did Postdoctoral training in the area of structural and functional studies of ion channels using high-resolution solid-state NMR spectroscopy at the National High Magnetic Field Laboratory (NHMFL) in Tallahassee, FL (2003-2005). In 2006, Dr. Chekmenev continued post-doctoral training in the field of hyperpolarized MRI via a joint appointment between California Institute of Technology and Huntington Medical Research Institute (HMRI), where he received Boswell Fellowship from Caltech in 2006. In 2008, Chekmenev received K99/R00 training career award from the National Cancer Institute, which jumpstarted his independent career. In 2009, Dr. Chekmenev started his hyperpolarized MRI program at Vanderbilt University Medical Center, where he was tenured in 2015. Chekmenev was elected to the Russian Academy of Sciences (RAS) in 2016. In 2017, Ed co-founded XeUS Technologies LTD, a start-up company that is focused on commercialization of Xe-129 hyperpolarization instrumentation. In 2018, Dr. Chekmenev transitioned to Wayne State University to continue his research on the development of molecular probes and instrumentation for hyperpolarized MRI. ■

# Anne E. Duggan



**Anne E. Duggan** is professor of French Studies in the Department of Classical and Modern Languages, Literatures, and Cultures, who specializes in early modern studies, gender and sexuality studies, and fairy-tale studies (including fairy-tale film). She is co-editor with Cristina Bacchilega of *Marvels & Tales: Journal of Fairy-Tale Studies* and serves as the editor for the Donald Haase Series in Fairy Tale Studies at Wayne State University Press. Her first book, *Salonnières, Furies, and Faires: The Politics of Gender and Cultural Change in Absolutist France*, saw a second revised edition in 2021. Her second book, *Queer Enchantments: Gender, Sexuality, and Class in the Fairy-Tale Cinema of Jacques Demy* was published in 2013 and appeared in French translation in 2015. In 2016 she published the 4-volume *Folktales and Fairy Tales: Traditions and Texts from around the World*, co-edited with Donald Haase. In 2021 the coedited volume *Women Writing Wonder: Subverting Tradition in the Nineteenth Century* appeared along with the 6-volume *A Cultural History of Fairy Tales*, for which she served as general editor and volume editor for *The Long Eighteenth Century*. *The Lost Princess: Women Writers and the History of Classic Fairy Tales*, which unearths the impact and legacies of women writers on fairy-tale traditions from the seventeenth- to the twentieth century in Europe and North America, was released in September 2023, and she is currently moving back to fairy-tale film with a book project tentatively titled “Engagée Animation: Tales of Social Justice.” ■

# Elizabeth Faue



**Elizabeth Faue** is Chair of the Department of History, Professor of U.S. History, and Director of Labor@Wayne. She specializes in labor and women's and gender history. Her current research focuses on teacher and nurse activism and the idea of the public good and on occupational health and safety in the 1970s. She received her B.A. (1979) in English summa cum laude and her M.A. (1985) and PhD (1987) in History at

the University of Minnesota. Susan B. Anthony Post-Doctoral Fellow at the University of Rochester from 1988-90, she came to Wayne State University in Fall 1990 as an Assistant Professor. In 1993, she was tenured and promoted to the rank of Associate Professor, and she became Professor in 2002. She was Interim Associate Dean of the Graduate School (2007-09) and Director of Graduate Studies in History (2010-15). She became History Department Chair in 2015 and Director of Labor@Wayne in Fall 2022.

Faue has been the recipient of many awards, including the Distinguished Service to Labor and Working Class History award (2022) from the Labor and Working Class History Association. In fall 2023, she will be a visiting senior scholar at the Institute for Advanced Studies at the University of Bologna. Among other honors are Board of Governors' Faculty



Recognition Award (1992, 2018), Career Development Chair (1995-96), Outstanding Graduate Mentor (2000), Charles H. Gershenson Distinguished Faculty Fellowship (2004-05), and the Distinguished Graduate Faculty Award (2018). Faue was Visiting Senior Fellow at the Rutgers Center for Historical Analysis (1994-95) and Visiting Scholar at the Institute for Research on Women at Rutgers University (1995-96).

Her publications include *Community of Suffering and Struggle: Women, Men, and the Labor Movement in Minneapolis, 1915-1945* (1991), *Writing the Wrongs: Eva Valesh and the Rise of Labor Journalism* (2002), *Rethinking the American Labor Movement* (2017), and more than 200 articles, chapters, and reviews. She served on editorial boards for *International Labor and Working Class History*, *Labor: Studies in Working Class History of the Americas*, *Labour History* (Australia), *Labour History Review* (U.K.), *Workers of the World: International Journal of Strikes and Conflicts* (Brazil), and *Social Science History*. She coordinated the North American Labor History Conference (1991-2003).

Faue has served on the Graduate Council and chaired the Master's Advisory Committee (2013-14). As lead co-PI, she received a National Endowment for the Humanities Next Generation Humanities PhD planning grant, which created the Humanities Clinic, and as co-PI Career Diversity grants from the American Historical Association and Council of Graduate Schools. ■



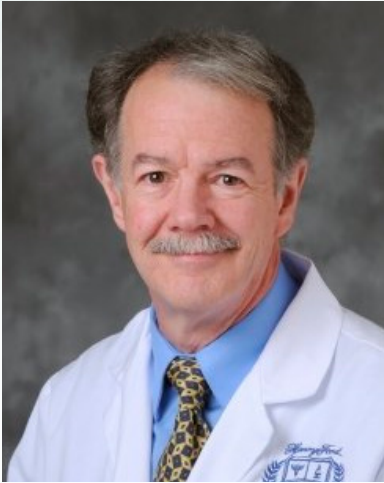
# Jonathan Flatley



**Jonathan Flatley** is a professor in the English Department at Wayne State University. He is author of *Affective Mapping: Melancholia and the Politics of Modernism* (Harvard University Press, 2008), *Like Andy Warhol* (University of Chicago Press, 2017) and coeditor (with Jennifer Doyle and José Esteban Muñoz) of *Pop Out: Queer Warhol* (Duke UP, 1996).

Most broadly, his research concerns collective emotion as it takes shape in aesthetic and political forms. He is currently finishing a book called *Black Leninism: How Revolutionary Counter-Moods Are Made* and beginning a new project about liking and being like trees. ■

# Peter A. LeWitt



**Peter A. LeWitt M.D., MMedSc** is a Board-certified neurologist who subspecializes in Parkinson disease and other movement disorders. His clinical practices are at the Parkinson's Disease and Movement Disorders Program at Henry Ford Hospital and the Detroit Medical Center, Wayne State University School of Medicine, Detroit Michigan. In 1990, he was appointed as a tenure-track Professor of Neurology at Wayne State

University School of Medicine and now holds the Sastry Foundation Endowed Chair in Neurology. In addition to extensive experience in conducting clinical trials in neurological disorders, his research interests have included animal models and biomarkers of neurological disease, pharmacokinetic analysis, and gene therapy for Parkinson's disease. He is the author of more than 300 publications in basic and clinical neuroscience. In 2020, Dr. LeWitt was cited among the Stanford University's listing of World's Top 2% Scientists.

Dr. LeWitt attended Brown University and its medical school, and completed post-graduate medical training at the University of Pennsylvania and Stanford University School of Medicine. At the National Institute of Neurological Disorders and Stroke (National Institutes of Health), he served as a research fellow in the Experimental Therapeutics Branch, where he was also appointed as Lieutenant Commander in the U.S. Public Health Service.

Dr. LeWitt was a founding member of the Parkinson Study Group and has chaired its Scientific Review Committee. He has been an officer of the International Parkinson's and Movement Disorder Society and a member of that organization's Task Force for the Development of Rating Scales for Parkinson's Disease. Dr. LeWitt has received research grants from the National Institutes of Health, the Michael J. Fox Foundation for Parkinson's Research, The Harris Foundation Neuroscience Program, the National Parkinson Foundation, the KiMe Foundation, and other organizations. He has been editor-in-chief of *Clinical Neuropharmacology* and has served on the editorial boards of *Movement Disorders*, *Journal of Neural Transmission*, *Journal of Parkinson's Disease*, and *Translational Neurodegeneration*.

Dr. LeWitt has been a mentor for several movement disorder fellowship trainees and has been active in educational programs conducted by the International Parkinson's and Movement Disorder Society, the American Academy of Neurology, the European Federation of Neurological Sciences, and other professional organizations. He has served as an NIH and foundation grant reviewer, as president of the Tremor Research Group and the Michigan Parkinson Foundation, and as a visiting professor nationally and internationally. ■

# Gil Mor



**Gil Mor, M.D., Ph.D.** is the John M. Malone Jr. MD, Endowed Chair of Women's Health Research and Scientific Director of The C.S. Mott Center for Human Growth and Development at Wayne State University. He is Professor of Obstetrics and Gynecology, and former Chair of the Department of Physiology. Before moving to Wayne State University, he was a Tenured Professor of Obstetrics and

Gynecology and Reproductive Science at Yale University School of Medicine. In his research he examines topics related to the immunology of pregnancy and the role of inflammation in cancer formation and progression. He was the Division Director of the Reproductive Science Division at the Department of Obstetrics and Gynecology Yale and directed the Reproductive Immunology Unit and the Translational Research Program "Discovery To Cure". Dr. Mor was the Editor in Chief of the American Journal of Reproductive Immunology since 2009 to 2019, and the journal Placenta (2020-2022). He is the Past-President of the American Society for Reproductive Immunology.

Dr. Mor has been funded by grants from National Institute of Child Health Development (NICHD), National Cancer Institute (NCI) and National Institute of Allergies and Infectious Diseases (NIAID) as well as by several pharmaceutical companies and is widely published in the areas of immunology and reproduction with more than 340 publications and is the editor of five books on “Immunology of Pregnancy” and “Apoptosis and Cancer”. He is also the Senior Editor of a book series on Reproductive Immunology with Elsevier.

Dr. Mor is recipient of several national and international prizes, including the Pearl River Professor from Jinan University Guangzhou China, the J. Christian Herr Award- and the AJRI Award from the Society for Reproductive Immunology.

Dr. Mor is member of the American Association for Cancer Research, the Society for Gynecologic Investigation, American Association of Immunologist, and the American Society of Reproductive Immunology. He is also Member of the International Advisory Committee for the Sino-American Center of Translational Medicine. Southern Medical University, China, Advisory Professor at Tongji Medical College, Huazhong University of Science and Technology in Wuhan China and Honorary member and Professor of several scientific societies in Asia, South America, and Europe. ■

# Avraham Raz



**Avraham Raz Ph.D.** The Weizmann Institute of Science, Israel, is the Paul Zuckerman Professor of Oncology and Pathology a WSU-SOM, the Editor in Chief; Cancer Metastasis Reviews, Ex-President of the Metastasis Research Society (MRS). Dr Raz has published >350 articles (10 chosen for Journals' covers) and was awarded 8 patents. Dr. Raz is a leader in Cancer Metastasis, is known for pioneering 'Galectins

Research' in cancer, identify the first 'normal' chimeric gene-product (galectin 3) and characterization of a novel cancer motility factor and its receptor that resulted in a new biological concept of 'moonlighting proteins'. His work was translated into the clinic. Dr. Raz held visiting professorships at national and international Universities, is on the Editorial Boards of >20 journals; has mentored >50 post-doctoral fellows (mostly from Japan). Serve/served as member of National, States, Regional, Private, and international granting agencies. And was the first from the State of Michigan to ever receive the "MERIT Award" from the National Cancer Institute of the NIH.

Dr. Raz contribution to science builds on the primary discoveries; identification, cloning, biochemically and characterization of two unique biological conduits that regulates tumor dissemination. (1) 'Galectins (Gal) in Cancer Research', and have identified/cloned human Gal-3, i.e., the



first reported human 'normal' chimeric gene resulting from a fusion between the 3'-end of collagen-alpha1 gene and the 5'-end of Gal-1. Notably, has demonstrated that Gal-3-glycan interaction mediates cancer cell-cell adhesion, and maintain/promote vascularization in tumors refractory to anti-angiogenic treatment by mimicking VEGF. Gal-3 is the only molecule, outside the bcl-2 gene family, that contains the anti-death motif (NWGR), associated with acquisition of resistance to drug-induced apoptosis. Gal-3 exhibits a functional germline mutation (polymorphism) gene (rs4644) substituting proline with histidine (P64H), which have resulted in susceptibility to MMPs cleavage that shapes the bone tumor microenvironment. Clinically, Gal-3 is overexpressed and abnormally localized in a variety of human cancers e.g., the only biomarker to differentiate thyroid adenoma from thyroid carcinoma and has generated the first Gal-3 sugar antagonist, a non-toxic drug, to be tested in clinical trials. (2) 'Autocrine Motility Factor' a tumor-secreted C-X-X-X-C cytokine (AMF, NLK, MF, PGI); and its receptor (AMFR, gp78) and a ubiquitin ligase associated with ERAD. Both belong to the 'moonlighting' family of diverse proteins expressing multiple functions/activities within a single polypeptide chain, not resulting from alternative RNA splicing, DNA rearrangement and/or post-translational modifications. These groundbreaking discoveries have opened innovative strategies/avenues relevant to the understanding of cancer cell trafficking and signaling governing metastatic processes. ■



# Academy of Scholars Past Presidents

Walter Chavin, Biological Sciences, 1979

Marion Barnhart, Physiology, 1980

Carl Johnson, Chemistry, 1981

John Reed, English, 1982

C. P. Lee, Biochemistry, 1983

T. T. Tchen, Chemistry, 1984

Jacob Lassner, Near Eastern Languages, 1986

C. P. Lee, Biochemistry, 1987

Guy Stern, Romance and Germanic, 1988

Morris Goodman, Anatomy, 1989

Karl Roskamp, Economics, 1990

Paul Schaap, Chemistry, 1991

Thomas Bonner, History, 1993

Orlando Miller, Molecular Genetics, 1995

James Hartway, Music, 1997

Ananda Prasad, Internal Medicine, 1998

Melvin Small, History, 1999

Sam C. Brooks, Biochemistry, 2000

Ronald Aronson, Interdisciplinary Studies, 2001

Gloria Heppner, Internal Medicine, 2002

Charles J. Stivale, Romance Languages, 2003

Jeanne M. Lusher, Pediatrics, 2004  
Arthur F. Marotti, English, 2005  
Robert Sokol, Obstetrics/Gynecology, 2006  
Robert A Sedler, Law, 2007  
Barry Rosen, Chemistry, 2008  
David Kessel, Pharmacology, 2008-09  
Boris Mordukhovich, Mathematics, 2010-11  
Robert Frank, Ophthalmology, 2011-12  
Gang George Yin, Mathematics, 2012-13  
Paula Dore-Duffy, Neurology, 2013-14  
Donald Haase, German and Slavic Studies, 2014-15  
Yaddanapudi Ravindranath, Pediatrics, 2015-16  
Paul Karchin, Physics, 2016-17  
Gary Abrams, Ophthalmology, 2017-18  
Anjaneyulu Kowluru, Pharmaceutical Sciences, 2018-19  
Wei-Zen Wei, Cancer Biology, 2019-20  
Alexey A Petrov, Physics and Astronomy, 2020-21  
Jack D. Sobel, Internal Medicine, 2021-22  
Mary T. Rodgers, Chemistry, 2022-23  
Charles A. Schiffer, Oncology, 2023-24



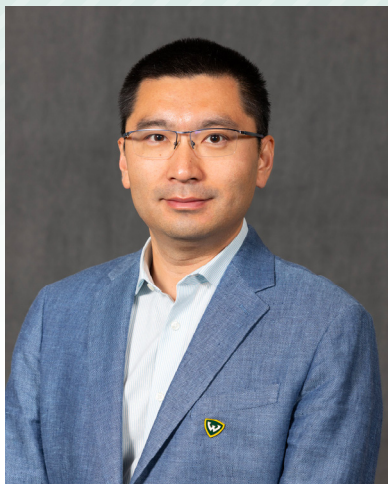
# Allana Clarke



**Allana Clarke** is an Assistant Professor of Art, joining the James Pearson Duffy Department of Art, Art History, and Design at Wayne State University in 2020. Her visual and research practice challenge the historical canons of art history, which have often been exclusionary and reductive, and investigate the linkages between abstraction and freedom and how those intersections can be of particular significance to

those that are marginalized within our social order. Clarke has been an artist in residence at the Skowhegan School of Painting & Sculpture, The Vermont Studio Center, Lighthouse Works, and Yaddo. She has received several grants including the Toby Devan Lewis Fellowship, Franklin Furnace Fund, and a Puffin Foundation Grant. Her work has been screened and performed at Gibney Dance in NY, Invisible Export NY, New School Glassbox Studio NY, FRAC in Nantes, France, SAVVY Contemporary in Berlin and was featured in the Bauhaus Centennial edition Bauhaus Now: Is Modernity an Attitude. ■

# Zhenfei Liu



**Zhenfei Liu** is an Assistant Professor in the Department of Chemistry at Wayne State University. He received his B.S. in chemistry from Peking University in China in 2007. He then pursued his graduate studies at the University of California, Irvine, and received his Ph.D. in theoretical chemistry in 2012. After that, he worked as a postdoctoral fellow and then as a project scientist at Lawrence Berkeley National

Laboratory and the University of California, Berkeley. In 2018, Dr. Liu joined the Department of Chemistry at Wayne State University as an Assistant Professor.

Dr. Liu's broad independent research interests straddle both conventional disciplines of chemistry and condensed matter physics, focusing on the electronic structure and dynamics of complex nanostructured materials using first-principles calculations based on quantum mechanics. Since he joined WSU, Dr. Liu has developed novel and unique computational approaches to study the electronic and optical properties of heterogeneous molecule-substrate interfaces, systems that are ubiquitous in nano and materials chemistry, with broad applications in energy conversion, catalysis, sensing, and others. Dr. Liu's newly developed method enables accurate



electronic structure calculations of large-scale systems that would have been inaccessible using conventional computational methods. Furthermore, Dr. Liu studies a broad array of complex materials using computational approaches, such as metal-organic frameworks, covalent organic frameworks, quantum dots and their assemblies, and molecular junctions. Besides independent work, Dr. Liu has established active collaborations with other theoretical and experimental scientists within the Department of Chemistry, across different departments on the WSU campus, and worldwide. His work is at the forefront of both computational method development and state-of-the-art applications to complex systems of experimental interest and is funded by the National Science Foundation, U.S. Department of Energy, U.S.-Israel Binational Science Foundation, and the American Chemical Society Petroleum Research Fund.

Dr. Liu provides comprehensive professional service to the chemistry research community, as a reviewer of papers, user proposals, and grant applications, a guest editor for the *Journal of Physics: Condensed Matter*, a member of the user executive committee at the Center for Nanoscale Materials at Argonne National Laboratory, and an organizer of different symposia in American Chemical Society national meetings. Dr. Liu received the Ralph E. Powe Junior Faculty Enhancement Award from Oak Ridge Associated Universities in 2020, an NSF CAREER Award in 2021, and the American Chemical Society Cadence/OpenEye Outstanding Junior Faculty Award in Computational Chemistry in 2023. ■

# Aaron Rury



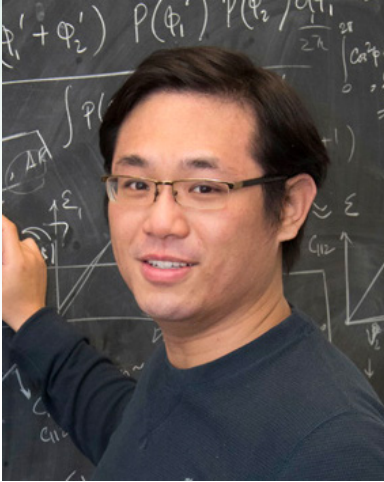
**Aaron Rury** is an Associate Professor of Chemistry at the Wayne State University (WSU) in Detroit, MI. His research program focuses on the use of both steady-state and ultrafast, time-resolved laser spectroscopic characterization of hybrid molecular materials to help enable their application in next-generation optoelectronic and photocatalytic technologies. Aaron received his B.S. in Physics with a minor in Chemistry

from the University of Illinois at Urbana-Champaign before matriculating into the Applied Physics Graduate Program at the University of Michigan, Ann Arbor where he worked under the supervision of Profs. Roseanne Sension and Duncan Steel on the interaction of molecules with spatially complex light fields. Following completion of his graduate studies in 2012, Aaron became a Caltech postdoctoral scholar in the Quantum Sciences and Technology group at JPL where he studied coherent control of diode lasers using whispering gallery mode micro-resonators for application in interplanetary molecular spectroscopic devices. He moved to the Department of Chemistry at the University of Southern California in 2014 as a postdoctoral scholar in the research group of Prof. Jahan Dawlaty where he studied coherent phonon laser spectroscopic signatures in molecular crystalline materials. Since starting as an Assistant Professor in 2017, Aaron



has received a Young Investigator Award from the Air Force Office of Scientific Research, a Doctoral New Investigator Award from the Petroleum Research Fund of the American Chemical Society, a CAREER Award from the National Science Foundation, and leads an 8-investigator group grant from the Quantum Information Sciences program at the US Department of Energy, which supports his group's study of the properties of cavity polaritons formed through strong coupling of light and molecules in electromagnetic micro-resonators. In addition to these research activities, Aaron is a faculty co-advisor for the WSU chapter of the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers and engages regularly in scientific outreach activities throughout the Detroit metro area. ■

## Chun Shen



Professor **Chun Shen** is an Associate Professor of Physics at Wayne State University (WSU) working on high-energy nuclear physics. He earned a B.S. in Physics at Shanghai Jiao Tong University in 2009 and a Ph.D. in Physics from The Ohio State University in 2014. He pursued Postdoctoral studies at McGill University and Brookhaven National Laboratory (BNL).

Professor Shen began his studies in high-energy nuclear physics at The Ohio State University, working on the theoretical description of relativistic heavy-ion collisions. He developed the first open-source computational framework to simulate high-energy nuclear collisions event-by-event. As a postdoctoral fellow, he extended his theoretical framework to heavy-ion collisions at intermediate collision energies to probe the phase diagram of nuclear matter at extreme conditions. Since joining the faculty at WSU in 2018, he has

combined his framework with advanced statistical approaches to provide a quantitative description of high-energy nuclear collisions. He has established a world-leading research group at the intersection of high-energy nuclear physics, high-performance computing, and advanced statistical analysis. He has written over 150 scientific papers, which have cumulated more than 8,000 times. His research is funded by the U.S. Department of Energy and National Science Foundation.

Professor Shen has received several awards and recognitions. He received the APS dissertation award in nuclear physics and the Goldhaber fellowship at BNL in 2016. After joining WSU, he received the IUPAP Young Scientist Prize in Nuclear Physics in 2019. In 2021, he was awarded the Early Career Award by the U.S. Department of Energy. He received the Richard J. Barber Faculty Award from the WSU Department of Physics and Astronomy in 2022. ■

# 2023 SPRING BANQUET MOMENTS









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**UNIVERSITY**