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EDUCATION AND RESEARCH

Northeastern Illinois University, Department of Biology, Chicago, IL

- Professor of Biology, 2022-Current
- Associate Professor of Biology, 2018-2022
- Assistant Professor of Biology, 2012-2018

Northwestern University, Department of Molecular Biosciences, Evanston, IL

- Postdoctoral researcher with Richard I. Morimoto, 2005 - 2012

Harvard Medical School, Department of Pathology and Massachusetts General Hospital Cancer Center, Boston, MA

- Postdoctoral researcher with Anne C. Hart, 2000 – 2004

University of Wisconsin, Department of Biomolecular Chemistry, Madison, WI

- Ph.D. researcher with Elizabeth A. Craig, 1993 – 1999

Mycogen Corporation, Analytical Chemistry Group, San Diego, CA

- Research technician, 1990 – 1993

Bates College, Lewiston, ME

- B. S. in Biology, 1989

PUBLICATIONS

Krishna's paper

Lotesto V and Voisine C. (2025) "Reduced insulin-like signaling restores motor and chemosensory neuron function in *C. elegans* expressing TDP-43, an ALS-associated protein", *microPublication Biology*, 10.17912/micropub.biology.001788.

Rodriguez Torres CS, Wicker NB, Puccini de Castro V, Stefinko M, Bennett DC, Bernhardt B, Garcia Montes de Oca M, Jallow S, Flitcroft K, Palalay JS, Payán Parra OA, Stern YE, Koelle M, Voisine C, Woods IG, Lo TW, Stern MJ, de la Cova, C. (2024) "The *Caenorhabditis elegans* protein SOC-3 permits an alternative mode of signal transduction by the EGL-15 FGF receptor". *Developmental Biology*, Volume 516, December 2024, Pages 183-195.

Voisine C and Nussbaum-Krammer C. (2022) Using *C. elegans* to Monitor Proteostasis Imbalances. *Journal of Visual Experimentation*. Aug 24;(186). doi: 10.3791/64643. PMID: 37590517.

Zenner ML, Helou Y, Deaton R, Sverdlov M, Wang H, Kajdacsy-Balla A, Macias V, Murray M, Voisine C, Abdulkadir SA, Murphy AB, and Nonn L. (2022) "Advanced glycation end-products (AGEs) are lower in prostate tumor tissue and inversely related to proportion of West African ancestry". *Prostate* Feb;82(3):306-313.

PUBLICATIONS CONTINUED

Brehme M, Sverchkova A, and Voisine C. (2019) “Proteostasis Network Deregulation Signatures as Biomarkers as for Pharmacological Disease Intervention”. *Current Opinions in Systems Biology*, Volume 15, June 2019, Pages 74-81.

Sandhof CA, Hoppe SO, Druffel-Ausustin S, Gallrein C, Kirstein J, Voisine C, and Nussbaum-Krammer C. (2019) “Reducing INS-IGF1 signaling protects against non-cell autonomous vesicle rupture caused by SNCA spreading”. *Autophagy*. Jul 29:1-22.

Voisine C and Brehme M. (2019) “HSP90 et al.: Chaperome and Proteostasis Deregulation in Human Disease”. Heat Shock Protein 90 in Human Diseases and Disorders. Series Editors: Alexzander A.A. Asea and Puneet Kaur, *Springer Press*.

Richards Z*, McCray T*, Marsili J, Zenner ML, Manlucu JT, Garcia J, Murray M., Voisine C, Murphy AB, Abdulkadir SA, Prins GS, Nonn L. (2019) “Prostate Stroma Increases the Viability and Maintains the Branching Phenotype of Human Prostate Organoids.” *iScience*. 12:304-317.

Brehme M and Voisine C. (2016) “Model Systems of protein-misfolding diseases reveals chaperone modifiers of proteotoxicity” *Disease Models & Mechanisms*. Aug 1:9(8):823-38.

Neto MF, Nguyen QH, Marsili J, McFall SM, and Voisine C. (2016) “The nematode *Caenorhabditis elegans* displays a chemotaxis behavior to tuberculosis-specific odorants” *Journal of Clinical Tuberculosis and Other Mycobacterial Diseases*. Volume 4, August, Pages 44–49.

Brehme M*, Voisine C*, Rolland T, Wachi S, Soper J, Malhotra J, Zhu J, Orton K, Vilella A, Garza D, Reinhart PH, Vidal M, Ge H, and Morimoto, RI. (2014) “A Chaperome Subnetwork Safeguards Proteostasis in Aging and Neurodegenerative Diseases” *Cell Reports*. Nov 6;9(3):1135-50.

Zhang Y, Benmohamed R, Huang H, Chen T, Voisine C, Morimoto RI, Kirsch D, and Silverman RB. (2013) Arylazanyl pyrazolone derivatives as inhibitors of mutant SOD1-dependent protein aggregation for the treatment of amyotrophic lateral sclerosis. *Journal of Medicinal Chemistry* 56(6):2665-75.

Voisine C, Pedersen JS, and Morimoto, RI. (2010) Chaperone Networks: Tipping the Balance in Protein Folding Diseases. *Neurobiol Dis*. 40(1): 12-20.

Jeong H*, Then F*, Melia TJ, Mazzulli JR, Libin C, Savas JN, Voisine C, Paganetti P, Tanese N, Hart AC, Yamamoto A, and Krainc D. (2009) Acetylation Targets Mutant Huntingtin to Autophagosomes for Degradation. *Cell* 137: 60-72.

Voisine C, Orton K, and Morimoto RI. (2007) Protein Misfolding, Chaperone Networks, and the Heat Shock Response in the Nervous System. *Molecular Neurology* Elsevier, Academic Press.

Varma H, Cheng R, Voisine C, Hart AC and Stockwell BR. (2007) Small Molecule Inhibitors Of Metabolism Rescue Cell Death in Huntington’s Disease Models. *Proc. Natl. Acad. Sci. (USA)* 104: 14525-14530.

Voisine C*, Varma H*, Walker N*, Bates EA, Stockwell BR and Hart AC. (2007) Identification of Potential Therapeutic Drugs for Huntington's Disease using *Caenorhabditis elegans*. *PLoS ONE* 2(6): e504.

PUBLICATIONS CONTINUED

Varma H, Voisine C, De Marco CT, Cattaneo E, Lo DC, Hart AC, and Stockwell BR. (2007) Selective inhibitors of death in mutant huntingtin cells. *Nature Chemical Biology* 3(2): 99-100.

Voisine C and Hart AC. (2004) *C. elegans* as a model system for triplet repeat diseases. *Methods in Molecular Biology* Humana Press 277: 141-160.

Faber PW*, Voisine C*, King DC, Bates E, and Hart AC. (2002) Glutamine/proline-rich PQE-1 proteins protect *Caenorhabditis elegans* neurons from huntingtin polyglutamine neurotoxicity. *Proc. Natl. Acad. Sci. (USA)* 99: 17131-17136.

Voisine C, Cheng YC, Ohlson M, Schilke B, Hoff K, Beinert H, Marszalek J, and Craig EA. (2001) Jac1, a mitochondrial J-type chaperone, is involved in the biogenesis of Fe/S clusters in *Saccharomyces cerevisiae*. *Proc. Natl. Acad. Sci. (USA)* 98: 1483-1488.

Voisine C, Schilke B, Ohlson M, Beinert H, Marszalek J, and Craig EA. (2000) Role of the mitochondrial Hsp70s, Ssc1 and Ssq1, in the maturation of Yfh1. *Molecular and Cellular Biology* 20: 3677-3684.

Craig E, Voisine C, and Schilke B. (1999) Mitochondrial Iron Metabolism in the Yeast *Saccharomyces cerevisiae*. *Biological Chemistry* 380: 1167-1173.

Voisine C, Craig EA, Zufall N, von Ahsen O, Pfanner N, and Voos W. (1999) The protein import motor of mitochondria: unfolding and trapping of preproteins are distinct and separable functions of matrix Hsp70. *Cell* 97: 565-574.

Schilke B, Voisine C, Beinert H, and Craig EA. (1999) Evidence for a conserved system for iron metabolism in the mitochondria of *Saccharomyces cerevisiae*. *Proc. Natl. Acad. Sci. (USA)* 96: 10206-10211.

Davis J, Voisine C, and Craig EA. (1999) Intragenic suppressors of Hsp70 mutants: interplay between the ATPase and peptide binding domains. *Proc. Natl. Acad. Sci. (USA)* 96: 9269-9276.

*Authors contributed equivalently to the publication

List of Published Work: <https://www.ncbi.nlm.nih.gov/myncbi/1Di7dJQH2EaQf/bibliography/public/>

SELECTED PRESENTATIONS

Pam's meeting

American Society for Cell Biology Conference, Impact of insulin-like signaling on neurotoxicity in *C. elegans* expressing TDP-43, an ALS associated protein, San Diego, CA, December 2024

Science and the City: Diverse Pathways from Student to Scientist, Mentoring Matters: How to Cultivate Scientific Talent and Diversity in STEM, Chicago, IL, April 2024

Chicago Symposium Series on Excellence in Teaching Mathematics and Science: Research and Practice Symposium, StRoNG Net: Advancing STEM Learning Through Non- Model Genome Research, Chicago, IL, September 2023

Metabolism, Aging, Pathogenesis, and Stress in *C. elegans*, StRoNG Net: Undergraduate Opportunities in Non- Model Genome Research, Madison, WI, July 2022

SELECTED PRESENTATIONS CONTINUED

IRACDA Professional Development Session, Navigating professional responsibilities at a primarily undergraduate minority serving institution, University of Illinois at Chicago, April 2022

EMBO Workshop Proteostasis: From organelles to organisms, Cell to cell spreading of TDP-43 may be linked to toxicity in *Caenorhabditis elegans*, Ericeira, Portugal, November 2019

22nd International *C. elegans* Meeting, Cell to cell spreading of TDP-43 may be linked to toxicity in *Caenorhabditis elegans*, Los Angeles, CA, June 2019

Erasmus+ Program Invited Lecture, Using worms to understand human neurodegenerative diseases, University of Warsaw Department of Biology Warsaw Poland, May 9, 2019

Erasmus+ Program Invited Lecture, *C. elegans* as a model for experimentation, University of Warsaw Department of Biology, Warsaw, Poland, May 7, 2019

School of Biological Sciences Spring Seminar Series, Molecular chaperones in *C. elegans* aging and neurodegenerative disease, Illinois State University, Normal, IL, February 2019

Chicago Symposium on Excellence in Teaching Mathematics and Science: Research and Practice, The use of Novel Online Peer Learning Platforms to Enhance Student Engagement in the Classroom, Northeastern Illinois University, Chicago IL, April 2018

NPR Living Lab interview, Students Finding Connection & Opportunities in Research with Social Justice Bent, WCAI Station, Woods Hole, MA, March 2018

Wellfleet Library Women in Science Series, Using worms to understand human neurodegenerative diseases, Wellfleet, MA March 2018

22nd Midwest Stress Response and Chaperone Conference, Cell to cell spreading of TDP-43 may be linked to toxicity in *Caenorhabditis elegans*, Northwestern University, Evanston, IL, January 2017

The Franco-German symposium on Age & Aging, A chaperome subnetwork safeguards proteostasis in aging and neurodegenerative disease, University of Montpellier, Montpellier, France, October 2016

55th American Society for Cell Biology Meeting, Proteostasis imbalances impact sensory and motor neuron function in *C. elegans* animals expressing TDP-43, San Diego, CA, December 2015

45th Society for Neuroscience Meeting, Proteostasis imbalances impact sensory and motor neuron function in *C. elegans* animals expressing TDP-43, Chicago, IL, October 2015

20th International *C. elegans* Meeting, Proteostasis imbalances impact sensory and motor neuron function in *C. elegans* animals expressing TDP-43, Los Angeles, CA, June 2015

5th Annual NEIU Faculty Research & Creative Activities Symposium, Amyotrophic lateral sclerosis in *C. elegans*: Understanding how TDP-43 aggregation affects neuron function, Chicago, IL, November 2014

52nd American Society for Cell Biology Meeting, The Chaperome as a Therapeutic Space in Aging and Neurodegenerative Diseases, San Francisco, CA, December 2012

SELECTED STUDENT PRESENTATIONS

NEIU STEM LLC

Orlando MWSM

17th Annual Student Center for Science Engagement Research Symposium, Michelle Martinez and Cindy Voisine, “Investigating the Role of the Extracellular *scl* Genes in TDP-43 Neurotoxicity in *C. elegans*”, Chicago, IL, September 2025

NEIU Student Research and Creative Activities Symposium, Orlando Lara and Cindy Voisine, “Using *C. elegans* to Uncover the Link between the Unfolded Protein Response and TDP-43 Proteotoxicity”, Chicago, IL, May, 2025

Illinois Louis Stokes Alliance for Minority Participation Conference, Krishna Parikh and Cindy Voisine, “Impact of extracellular *scl* gene family in *C. elegans* expressing TDP-43: Unraveling neurotoxicity mechanisms”, Lisle, IL, February 2025

30th Annual Midwest Stress Response and Molecular Chaperone Meeting, Brittany Zaruszk and Cindy Voisine, “Investigating Proteostasis Imbalances in *C. elegans* expressing TDP-43, an Amyotrophic Lateral Sclerosis disease associated protein”, Northwestern University, Evanston, IL, January 2025

American Society for Cell Biology Meeting, Brittany Zaruszk and Cindy Voisine, “Investigating Proteostasis Imbalances in *C. elegans* expressing TDP-43, an Amyotrophic Lateral Sclerosis disease associated protein”, San Diego, CA, December 2024

SACNAS National Diversity in STEM Conference, Krishna Parikh and Cindy Voisine, “Impact of extracellular *scl* gene family in *C. elegans* expressing TDP-43: Unraveling neurotoxicity mechanisms”, Phoenix, AZ, November 2024

16th Annual Student Center for Science Engagement Research Symposium, Joshua Kalarical, Brittany Zaruszk and Cindy Voisine, “Evaluating the Impact of Protein Clearance Genes on the Organismal Health of *C. elegans* expressing TDP-43, an Amyotrophic Lateral Sclerosis disease associated protein”, Chicago, IL, September 2024

Chicago Society for Neuroscience Conference: Vincent Lotesto presents “Investigating the Impact of Insulin Signaling to Reduce Neurotoxicity in *C. elegans* Expressing TDP-43, an ALS Associated Protein”, Chicago IL, March 2024

4th Chicago Area Worm Meeting: Krishna Parikh presents “Impact of extracellular *scl* gene family in *C. elegans* expressing TDP-43: Unravelling neurotoxicity mechanisms”, Chicago IL, November 2023

Society for Advancement of Chicanos and Native Americans in Science National Conference: Vincent Lotesto presents “Investigating the Impact of Insulin Signaling to Reduce Neurotoxicity in *C. elegans* Expressing TDP-43, an ALS Associated Protein”, Portland, Oregon, October 2023

Illinois Louis Stokes Alliance for Minority Participation Conference: Vincent Lotesto presents “Investigating the Impact of Insulin Signaling to Reduce Neurotoxicity in *C. elegans* Expressing TDP-43, an ALS Associated Protein” Lille, IL, February 2023

28th Midwest Stress Response and Chaperone Conference: Rachel Fuller presents “Modulating Cellular Stress Responses on Organismal Health in *C. elegans* Expressing TDP-43”, Chicago, IL, January 2023

Society for Neuroscience Annual Meeting: Helena Puccini de Castro presents “Impact of Phosphatase Activity in *C. elegans* expressing TDP-43, an Amyotrophic Lateral Sclerosis Associated Disease Protein”, San Diego, CA, November 2022

SELECTED STUDENT PRESENTATIONS CONTINUED

Illinois Louis Stokes Alliance for Minority Participation Conference: Helena Puccini de Castro presents “Impact of Phosphatase Activity in *C. elegans* expressing TDP-43, an Amyotrophic Lateral Sclerosis Associated Disease Protein, Lille, IL, February 2022

Society for Advancement of Chicanos and Native Americans in Science National Conference: Shagufta Khatoon presents “Analyzing Stress Response Pathways that Influence Neuronal Proteinopathies in *C. elegans*”, Virtual, October 2021

27th Annual NEIU Student Research & Creative Activities Symposium, Kimberly Nu-Tall presents “Analyzing the Tissue Expression Patterns of Differentially Regulated Genes in *C. elegans* Expressing TDP-43” Virtual, April 2021

12th Annual Student Center for Science Engagement Research Symposium: Melissa Garcia Montes de Oca presents “Identifying New FGFR Signaling Components in *C. elegans*”, Virtual, October 2020

Illinois Louis Stokes Alliance for Minority Participation Conference: Yuriy Khlopa presents “Cytoplasmic aggregates of human TDP-25 protein in *C. elegans* challenges proteostasis” Lille, IL, February 2020

Society for Advancement of Chicanos and Native Americans in Science National Conference: Yaseen Ali presents “Mutated TDP-43 is more aggregate prone than wild type TDP-43 in *C. elegans*” Honolulu, HI, October 2019

23rd International *C. elegans* Meeting: Victoria Puccini de Castro presents “A Genetic Screen to Identify New FGFR Signaling Components in *C. elegans*” Los Angeles, CA, 2019

Illinois Louis Stokes Alliance for Minority Participation Conference: Jacob Manulucu presents “Building a Prostate in a Dish: A Patient-Derived Model of Prostate Cancer” Lille, IL February 2018

Aging, Metabolism, Pathogenesis, Stress and Small RNAs *C. elegans* Meeting: Phoenix Toboz presents “Cell to cell spreading of TDP-43 fragments may lead to toxicity in *C. elegans*”, Madison, WI, June 2018

22nd International *C. elegans* Meeting: Joseph Marsili presents “The nematode *Caenorhabditis elegans* displays a chemotaxis behavior to tuberculosis-specific odorants.” Los Angeles, CA, June 2017

Annual Biomedical Research Conference for Minority Students: Kirsten Knapton presents “Primary prostate cancer tissues are heterogeneous for accumulation of the advanced glycation end product N(E)-carboxymethyl lysine”, Tampa, Florida, November 2016

Society for Advancement of Chicanos and Native Americans in Science National Conference: Jessica Silvestri presents “Using Small Molecule Therapy to Reduce AGEs in *C. elegans* for Prostate Cancer Treatment” Long Beach, CA, October 2016

55th American Society for Cell Biology Meeting: Da In Lee presents “Understanding the relationship between aggregation-prone proteins and neurotoxicity by assessing sensory neuronal function in *C. elegans*”, San Diego, CA, December 2015

20th International *C. elegans* Meeting: Zelene Figueroa presents “*C. elegans* Model of Amyotrophic lateral sclerosis: Understanding the Role of TDP-43 Expression on HSN Motor Neuron Function”, Los Angeles, CA, June 2015

HONORS, AWARDS AND GRANTS

NSF STC Grant “” (Co-PI with Dr. Jorge Cantu and Dr. Stacey Goguen), 2026-2031

Student Center for Science Engagement Undergraduate Summer Research Award, Northeastern Illinois University, 2013, 2014, 2015, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024 & 2025

Bernard J. Brommel Distinguished Research Professor, Northeastern Illinois University, 2024

Excellence Award in Service, Northeastern Illinois University, 2019-2020, 2022-2023 & 2023-2024

NSF/RCN-UBE Incubator “STEM Research on Non-model Genomes Network” (Key Personnel with Co-PIs Dr. Nicholas Miller from Illinois Institute of Technology, Dr. Molly McDonough from Chicago State University and Dr. Aaron Schirmer from NEIU), 2022-2023

Summer Research Stipend Award, Northeastern Illinois University, 2016, 2020 & 2023

Promotion to Professor of Biology Northeastern Illinois University, 2022

International Visiting Scholar Award (Internationale Gastwissenschaftler Award) Heidelberg University, Heidelberg, Germany, 2021 and 2022

NIH/R15 “Signaling Specificity Mediated by the *C. elegans* FGF Receptor Tyrosine Kinase” (Co-Investigator with Dr. Michael Stern from NEIU and Te-Wen Lo from Ithaca College), 2016-2020

Sabbatical Leave, Heidelberg University, Heidelberg, Germany, 2019

Fulbright Specialist Award to Heidelberg University, Heidelberg, Germany, 2019

Erasmus+ KA107 Award recipient to University of Warsaw, Warsaw, Poland, 2019

Tenure and Promotion to Associate Professor of Biology Northeastern Illinois University, 2018

NIH/U54 Chicago CHEC Award “Prostate Cancer Disparity in Chicago-Area African American Men: Patient-derived Models and Biomarkers of Cancer Risk” (Co-PI with Dr. Larisa Nonn from UIC, Dr. Sarki Abdulkadir and Dr. Adam Murphy from Northwestern University, and Marcus Murray from Project Brotherhood), 2016-2018

US Scholar Award, Fulbright Association, 2016

Excellence Award in Research, Northeastern Illinois University, 2015-2016 & 2018-2019

Excellence Award in Teaching, Northeastern Illinois University, 2014-2015 & 2017-2018

Committee on Organized Research Grant Award, Northeastern Illinois University, 2013, 2015 & 2024

THESIS ADVISOR

Leslei Lopez, Master's Research Thesis, Use of Neuronal Mitochondrial Isolation to Assess NDUFS4 Levels in GABAergic Neurons, December 2025

Krishna Parikh, University Honors Program: Impact of extracellular *scl* gene family in *C. elegans* expressing TDP-43: Unravelling neurotoxicity mechanisms, December 2025

Brittany Zaruszak, Master's Research Thesis: The Impact of Ubiquitination and Deubiquitination in *C. elegans* expressing TDP-43, an Amyotrophic Lateral Sclerosis disease associated protein, December 2024

Helena Puccini de Castro, University Honors Program: Impact of Phosphatase Activity in *C. elegans* expressing TDP-43, an Amyotrophic Lateral Sclerosis Associated Disease Protein, April 2023

Sarai Guzman Vela, Master's Research Thesis: Interplay of SARA and ERBIN on TGF β Mediated Epithelial-Mesenchymal Cellular Transition and Fibrosis, April 2023

Shagufta Khatoon, University Honors Program: Analyzing Cellular Stress Response Pathways that Influence Neuronal Proteinopathies in *Caenorhabditis elegans*, August 2021

Tania Afzal, Master's Research Thesis: Use of *Galleria mellonella* Larvae for assessing *Pseudomonas aeruginosa* Virulence, April 2021

Yuriy Khlopa, University Honors Program: "Does TDP-43 Impact Neuronal Proteostasis" December 2020

Abdullahi Abdi, Master's Research Thesis: Biofilm Production in *Clostridioides difficile* Epidemic Strain DH/NAP11/106, April 2020

Phoenix Toboz, Master's Research Thesis: TDP-43 C-terminal Fragment Spreading and Toxicity in *C. elegans*, July 2019

Sumayh Aldakeel, Master's Research Thesis: Detection of Volatile Compounds Secreted by Mycobacterium tuberculosis Using *Caenorhabditis elegans*, May 2017

Quan Hieu Nguyen, Master's Research Thesis: Modeling Amyotrophic lateral sclerosis in *Caenorhabditis elegans*: Evaluating how TDP-43 expression impacts sensory neuron function, May 2015

DeElegant Robinson, Master's Research Thesis: Understanding the role of TPR-1 in Protein Maintenance and Cellular Protection in *Caenorhabditis elegans*, May 2015

PROFESSIONAL SERVICE

Reviewer of Trainee Professional Development Awards for the Society for Neuroscience, 2023-2025

Reviewer of International Travel Awards Selectin Committee for the Society for Neuroscience, 2025

Co-organizer for the Chicago Area Worm Meeting (2019 – current)

PROFESSIONAL SERVICE CONTINUED

Invited Chair for 30th Midwest Stress Response and Molecular Chaperone Meeting, Northwestern University, Evanston, IL 2025

Board of Directors for National Organization BREWMor, a network of teaching and research faculty dedicated to increasing undergraduate experiential learning, 2021-2024

NEIU Liaison for the Summer Immersion Program at Northwestern's Feinberg School of Medicine 2018- 2024

NEIU Liaison for "REM: EFRI CEE: Macrogenomic engineering via modulation of chromatin nanoenvironment", Northwestern University, 2021-2024

Co-organizer for the Chicago Society for Neuroscience conference as Executive Secretary, 2018 – 2023

Reviewer of Graduate Research Fellowship Program for National Science Foundation, 2023 & 2025

Moderator, Diversity, Equity and Inclusion Networking Meet-ups, 23rd International *C. elegans* Meeting, June 2021

Invited Speaker for Diversity, Equity and Inclusion Workshop, "Social Identities and Implicit Bias", University of Heidelberg, Heidelberg, Germany June 2021

Invited Speaker for Diversity, Equity and Inclusion Workshop, "Microinterventions", University of Heidelberg, Heidelberg, Germany June 2021

Invited Guest Editor for the Journal Frontiers in Aging, Aging, Metabolism and Redox Biology "Aging Research in *Caenorhabditis elegans*.: From Signaling to Molecular Dysfunction" 2021

Organized and co-led an international Webinar "Using *C. elegans* to Monitor Proteostasis Imbalances" hosted by Journal of Visual Experimentation, July 2021

Reviewer of student applications for SACNAS – The National Diversity in STEM Conference, June 2021

Poster Judge for 23rd International *C. elegans* Meeting, June 2021

Organized and Chair for the Chicago Society for Neuroscience Graduate Symposium, 2020

Judge for the Medical Science Category for the Global Undergraduate Awards, 2020

Invited Guest Editor for Journal of Visual Experimentation methods collection “Using *C. elegans* to Monitor Proteostasis Imbalances”, 2019

Member of Advisory Committee for the University of Illinois at Chicago PREP program, an NIH/NIGMS R25 PREP Grant

Invited Chair workshop “Genome Editing” for 2nd Chicago area Worm Meeting, 2019

Co-organizer for Midwest Stress Response and Molecular Chaperone Meeting, Northwestern University, Evanston, IL 2018

PROFESSIONAL SERVICE CONTINUED

Invited Panelist for “Diversity in Careers” session at the Chicago Society for Neuroscience Annual Meeting, Northwestern University, Chicago IL, 2018

Invited Chair “Curing Cancer from the STEM” session for Women in Science Conference Northeastern Illinois University September 2017

Invited Chair “Aggregation” for Midwest Stress Response and Molecular Chaperone Meeting” Northwestern University, Evanston, IL, 2017

Chair “Diversity in Careers” session at the Chicago Society for Neuroscience Annual Meeting, Northwestern University, Chicago IL, 2015, 2016, and 2017

Chair “Career Achievement Award Committee” for the Chicago Society for Neuroscience Annual Meeting 2016 and 2017

Invited Chair “Co-Chaperone Control” Midwest Stress Response and Molecular Chaperone Meeting” Northwestern University, Evanston, IL 2014

Journals (ad hoc reviewer) – Aging Cell, Biomarkers in Cancer, Disease Models and Mechanisms, FASEB, FEBS Letters, Gerontology, Journal of Rejuvenation Research, Human Molecular Genetics, Micropublication, Open Biology, PLoS Genetics, PLoS One, Journal of Visual Experimentation

SPECIAL COURSES

Invited Guest Instructor for “Using *C. elegans* to study aging-related Protein Misfolding Diseases” (Die Verwendung von *C. elegans* zur Untersuchung von altersbedingten Proteinfehlfaltungskrankheiten), University of Heidelberg, Heidelberg, Germany, 2016, 2019, and 2021

PROFESSIONAL MEMBERSHIPS

Fulbright Association, American Society for Cell Biology, Society for Neuroscience, Genetic Society of America, and Society for Advancement of Chicanos and Native Americans in Science