

CURRICULUM VITAE

Paula Ann (Sacco) Bubulya, Ph.D.

3640 Colonel Glenn Hwy., Dayton, OH 45435

Cell Phone: (631) 944-2135

paula.bubulya@wright.edu

<https://www.linkedin.com/in/paula-sacco-bubulya-phd-00418061>

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I. EDUCATION

- 1999 – 2005 **Postdoctoral Fellow**, Cold Spring Harbor Laboratory. Research Mentor: Dr. David Spector
1993 – 1998 **Ph.D. in Biology**, University of Toledo. Dissertation Advisor: Dr. Keith Johnson
1988 – 1992 **B.S. in Biology**, University of Dayton. Research Advisor: Dr. Panagiotis Tsonis

II. ACADEMIC APPOINTMENTS

- 2018 – present **Professor**, Department of Biological Sciences, Wright State University, Dayton, OH
2013 – present **Associate Chair**, Department of Biological Sciences, Wright State University, Dayton, OH
2015 – 2017 **College of Science and Mathematics Faculty Equity Fellow**, Office of Multicultural Affairs
and Community Engagement, Wright State University, Dayton, OH
2011 – 2018 **Associate Professor**, Department of Biological Sciences, Wright State University, Dayton, OH
2005 – 2011 **Assistant Professor**, Department of Biological Sciences, Wright State University, Dayton, OH
1999 – 2005 **Postdoctoral Fellow**, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY.
Research Advisor: Dr. David L. Spector (*Nuclear organization and gene expression*)
1996 – 1997 **Graduate Research Assistant**, University of Toledo, Toledo, OH.
Research Advisors: Dr. Keith Johnson and Dr. Margaret Wheelock (*Cell-cell adhesion*)
1993 – 1998 **Graduate Teaching Assistant**, University of Toledo, Toledo, OH.
1992 – 1993 **Assistant Gross and Fetal Pathology Research Technician**, Springborn Laboratories, Spencerville, OH.
1990 – 1992 **Undergraduate Research Assistant** University of Dayton, Dayton, OH.
Research advisor: Dr. Panagiotis Tsonis (*Limb regeneration*)

III. LEADERSHIP INSTITUTES AND PROFESSIONAL DEVELOPMENT

1. Higher Education Resource Services (HERS) Summer Institute, Denver, June 18 – 30, 2018
2. Higher Education Resource Services (HERS) Luce Program, Denver, June 18 – 30, 2018
3. Wright Leader Academy, Wright State University, 2017 – 2018
4. Equity Fellow Workshop on LGBTQA+ Equality and Allyship, 2017
5. Southwest Ohio Council for Higher Education (SOCHE) Academic Leadership Program, 2015-2016

IV. ACADEMIC AWARDS

- 2003 The Journal of Cell Science Traveling Fellowship, (visiting scientist Ellenberg Lab, Heidelberg, Germany)
1999 Postdoctoral Traineeship Award, Nuclear Organization, Cold Spring Harbor Laboratory, NY
1998 American Society for Cell Biology Predoctoral Travel Award

V. FUNDING FOR RESEARCH AND OTHER ACTIVITIES

A. Independent Federal Funding

1. **Academic Research Enhancement Award** 2R15GM-084407-04, awarded to **Bubulya, P.A.** National Institutes of General Medical Sciences, National Institutes of Health; “Gene Regulatory Functions for the Nuclear Speckle Protein SON”; \$450,000. Award Period: July 1, 2019 – June 30, 2022 (No-cost extension granted through June 2023)
2. **Academic Research Enhancement Award** 2R15GM-084407-03, awarded to **Bubulya, P.A.** National Institutes of General Medical Sciences, National Institutes of Health; “Pre-mRNA processing factors maintain normal mitosis”; \$377,388. Award Period: Sept 22, 2015 – August 31, 2018 (No-cost extension granted through June 2019)
3. **Academic Research Enhancement Award** 2R15GM-084407-02, awarded to **Bubulya, P.A.** National Institutes of General Medical Sciences, National Institutes of Health; “Gene regulatory functions for the nuclear speckle scaffolding protein Son”; \$292,000. Award Period: July 18, 2011 – Sept 21, 2015
4. **Academic Research Enhancement Award** 1R15GM-084407-01A1, awarded to **Bubulya, P.A.** National Institutes of General Medical Sciences, National Institutes of Health; “A role for Son in maintaining nuclear speckle integrity”; \$212,640. Award Period: December 1, 2008 – July 31, 2011
5. **National Research Service Award, NIGMS, Postdoctoral Fellowship, Award 1F32 GM20688-02;** awarded to Bubulya P.A.; Award period: 2000 – 2002

B. Collaborative Federal Funding

6. **NIH RO1 08-864-30** awarded to Dr. Michael Leffak (PI) G. Liu (co-PI) and **P. A. Bubulya** (co-PI, 5% for assisting with microscopy studies), WSU; “The role of the DNA unwinding element binding protein, DUE-B, in DNA replication”; \$294,145, May 21, 2009 - May 20, 2011
7. **NSF MCB-1103934;** awarded to Means, J and Bubulya, P.A.; “CONFERENCE: 2011 Rustbelt RNA Meeting to be held October 21 – 22, 2011 in Dayton, OH ”; \$12,000

C. Internal Funding at Wright State University

1. LEADER ADVANCE Faculty Equity Fellows Training Award (2016), \$5,000
2. LEADER ADVANCE WSU Mentoring Group Award, (2013; PIs Hubbard, Bhandari, Ganapathy) \$5,000
3. LEADER ADVANCE BIO Mentoring Group Award, (2013; co-PIs L. Rouhana, S. Ju, Q Zhong) \$5,000
4. LEADER ADVANCE Mentoring Individual Award (2013) \$2,000
5. Ohio Third Frontier, Research Initiation Award (2011) \$24,999
6. Research Challenge Award (2008) \$26,250
7. Women in Science Giving Circle Award for Research Faculty (2008) \$5,000
8. Center for Genomics Research Award (2008) \$21,500
9. Teaching Enhancement Award for Advanced Cell Techniques Lab Course Development (2007) \$20,000
10. Research Initiation Award (2006) \$10,000
11. New Investigator Award (2006) \$25,000
12. Research Challenge Award (2006) \$20,000

VI. PUBLICATIONS

A. Peer Reviewed Research Publications (graduate student mentees underlined)

1. Varia, S., D. Cheedu, M. Markey, K. Torres-Shafer, V. P. Battini, A. Bubulya and **P.A. Bubulya.** 2017. Alignment of mitotic chromosomes in human cells involves SR-like splicing factors Btf and TRAP150. **Int. J. Mol. Sci.** 18, 1956; doi:10.3390/ijms18091956; PMID: PMC5618605
2. Kim, J. H., et al. 2016. De novo mutations in SON disrupt RNA splicing of genes essential for brain development and metabolism, causing an intellectual-disability syndrome. **Am. J. Human Genet.** 99: 711-719. PMID: 27545680; PMID: PMC5011044

3. Battini, V.P., A. Bubulya and **P.A. Bubulya**. 2015. Accurate splicing of HDAC6 Pre-mRNA requires SON. **Int. J. Mol. Sci.** 16:5886-5899. doi:10.3390/ijms16035886; PMID: PMC4394511
4. Lu, X., H.-H. Ng and P.A. Bubulya. 2014. The role of SON in splicing, development and disease. **Wiley Interdisciplinary Reviews: WIREs RNA**. doi: 10.1002/wrna.1235 PMID: PMC4138235
5. Lu, Xinyi, J. Göke, F. Sachs, P.-É. Jacques, H. Liang, B. Feng, G. Bourque, **P.A. Bubulya** and H.-H. Ng. 2013. SON connects the splicing-regulatory network with pluripotency in human embryonic stem cells. **Nature Cell Biology**. 15: 1141–1152. PMID: 24013217; PMID: PMC4097007; *Comment in EMBO J. "Let's Splice up pluripotency!" Nov 13;32(22):2903-4.*
6. Varia, S., D. Potabathula, Z. Deng, A. Bubulya and **P.A. Bubulya**. 2013. Btf and TRAP150 have distinct roles in regulating subcellular mRNA distribution. **Nucleus**. 4:229-40. PMID: 23778535; PMID: PMC3720753
7. Leonard, M.K., N.T. Hill, **P.A. Bubulya** and M. Kadakia. 2013. The PTEN-Akt pathway impacts the integrity and composition of mitotic centrosomes. **Cell Cycle**. 12:1406-15. PMID: 23574721; PMID: PMC3674068
8. Sharma, A., M. Markey, K. Torres-Munoz, S. Varia, M. Kadakia, A. Bubulya and **P. A. Bubulya**. 2011. Son Maintains Accurate Splicing for a Subset of Human Pre-mRNAs. **J. Cell Sci.** 124: 4286–4298. PMID: 22193954; PMID: PMC3258111
9. Peng, H.J., K. Henkels, M. Mhankali, C. Marchal, **P. Bubulya**, M. Dinauer and J. Cambroner. 2011. The Dual Effect of Rac2 on Phospholipase D2 Regulation That Explains both the Onset and Termination of Chemotaxis. **Mol. Cell Biol.** 31:2227-40. PMID: 21444720; PMID: PMC3133238
10. Tripathi, V., J. Ellis, Z. Shen, D. Song, S.M. Freier, F. C. Bennett, A. Sharma, **P. A. Bubulya**, B. Blencowe, S. G. Prasanth, K. V. Prasanth. 2010. The nuclear retained noncoding RNA MALAT1 regulates alternative splicing by modulating SR splicing factor phosphorylation. **Mol. Cell**. 39:925-938. PMID: 20797886
11. Chowdhury, A., G. Liu, M. Kemp, X. Chen, N. Katrangi, S. Meyers, M. Ghosh, J. Yao, Y. Gao, **P. Bubulya** and M. Leffak. 2010. The DNA unwinding element binding protein DUE-B interacts with Cdc45 in preinitiation complex formation. **Mol. Cell Biol.** 30:1495-1507.
12. Sharma, A., H. Takata, K. Shibahara, A. Bubulya and **P. A. Bubulya**. 2010. Son is essential for nuclear speckle organization and cell cycle progression. **Mol. Biol. Cell**. 21:650-663. PMID: 20053686; PMID: PMC2820428
13. Takata, H., H. Nishijima, S. Ogura, T. Sakaguchi, **P. A. Bubulya**, T. Mochizuki and K. Shibahara. 2009. Proteome analysis of human nuclear insoluble fractions. **Genes to Cells**. 14:975-990. PMID: 19695025
14. Su, M., K. Giang, K. Zumer, H. Jiang, I. Oven, J. L. Rinn, J. J. DeVoss, K. P. A. Johannes, W. Lu, J. Gardner, A. Chang, **P. Bubulya**, H. Y. Chang, B. M. Peterlin, and M. S. Anderson. 2008. Mechanisms of an autoimmunity syndrome in mice caused by a dominant mutation in Aire. **J. Clin. Invest.** 118:1712-1726. PMID: 18414681; PMID: PMC2293336
15. **Bubulya P. A.**, K. V. Prasanth, T. J. Deerinck, D. Gerlich, J. Beaudouin, M. H. Ellisman, J. Ellenberg and D. L. Spector. 2004. Hypophosphorylated SR splicing factors transiently localize around active nucleolar organizing regions in telophase daughter nuclei. **J. Cell Biol.** 67:51-63. PMID: 15479736; PMID: PMC2172523
16. Saitoh, N., C. S. Spahr, S. Patterson, **P. Bubulya**, A. F. Neuwald and D. L. Spector. 2004. Proteomic analysis of interchromatin granule clusters. **Mol. Biol. Cell**. 15:3876-3890. PMID: 15169873; PMID: PMC491843
17. **Bubulya P. A.** and D. L. Spector. 2004. "On the move"ments of nuclear components in living cells. **Exp. Cell Research**. 296:4-11.
18. Prasanth K. V., **P. A. Sacco-Bubulya**, S. G. Prasanth and D. L. Spector. 2003. Sequential entry of components of the gene expression machinery into daughter nuclei. **Mol. Biol. Cell**. 14:1043-1057. PMID: 12631722; PMID: PMC151578
19. **Sacco-Bubulya P. A.** and D. L. Spector. 2002. Disassembly of interchromatin granule clusters alters the coordination of transcription and pre-mRNA splicing. **J. Cell Biol.** 156:425-436. PMID: 11827980; PMID: PMC2173333

20. Wahl J.K., J. E. Nieset, **P. A. Sacco-Bubulya**, T. M. Sadler, K. R. Johnson and M. J. Wheelock. 2000. The amino- and carboxyl-terminal tails of beta-catenin reduce its affinity for desmoglein 2. **J. Cell Sci.** 113: 1737-45. PMID: 10769205
21. Solomon, D., **P. A. Sacco**, S. G. Roy, I. Simcha, K. R. Johnson, M. J. Wheelock and Avri Ben-Ze'ev. 1997. Regulation of beta-catenin levels and localization by overexpression of plakoglobin and inhibition of the ubiquitin-proteasome system. **J. Cell Biol.** 139:1325-1335. PMID: 9382877; PMCID: PMC2140206
22. Wahl, J. K., **P. A. Sacco**, T. M. McGranahan-Sadler, L. M. Sauppe, M. J. Wheelock, and K. R. Johnson. 1996. Plakoglobin domains that define its association with the desmosomal cadherins and the classical cadherins: identification of unique and shared domains. **J. Cell Sci.** 109: 1143-1154. PMID: 8743961
23. **Sacco, P. A.**, T. M. McGranahan, M. J. Wheelock, and K. R. Johnson. 1995. Identification of plakoglobin domains required for association with N-cadherin and alpha-catenin. **J. Biol. Chem.** 271: 20201-20205. PMID: 7650039

B. Book Chapters

1. Bubulya A. and **P. A. Bubulya**. 2012. "Imaging cellular metabolism" in **Paula A. Bubulya**, ed., Cell Metabolism: Cell Homeostasis and Stress Response. Rijeka, Croatia: InTech. Open Access. ISBN 978-953-307-978-3

C. Book Editor

2. **Paula A. Bubulya**, ed., Cell Metabolism: Cell Homeostasis and Stress Response. 2012. Rijeka, Croatia: InTech. (9 chapters) Open Access. ISBN 978-953-307-978-3

D. Career Advice/Mentoring Columns

1. Newsletter of the American Society for Cell Biology, Paula A. Bubulya and David L. Goldstein. 2013. "The Art of the Buy-In: Obtaining Incidental Support from Your Institution for Unexpected Needs and Opportunities"
2. Newsletter of the American Society for Cell Biology, Paula A. Bubulya. Sandra Schmid and Page Baluch. 2014. "I Wish I'd Read These Sooner: Career Advice Books"
3. Newsletter of the American Society for Cell Biology, Sandra K. Masur, Amelia R. Hubbard, Paula Bubulya and Debbie Salas-Lopez. 2014. "Women Helping Women Survive and Succeed: Positive Group Dynamics"

E. Featured Microscopy Images

1. Cold Spring Harbor Laboratory 75th Symposium: Nuclear Organization and Function, Meeting Program Cover, 2010.
2. Dynamic Organization of Nuclear Function, Cold Spring Harbor Laboratory, Meeting Program Cover (artist's rendition of mitotic cell images by P. Bubulya), 2004.
3. Lamond, A.I. and D.L. Spector. 2003. Nuclear speckles: a model for nuclear organelles. *Nat. Rev. Mol Cell Biol.* 4:605-612; Figure 4.
4. Historical Perspective: "Dynamics and Genome-Centricity of Interchromatin Domains in the Nucleus", T. Pedersen. 2002. *Nature Cell Biology* 4: E287-E291; Figure 1 (*multichannel immunofluorescence image of nucleoli, nuclear speckles and chromatin*).

F. News articles featuring my leadership, scholarship and service

1. **Dayton Daily News** "Wanted: Women Faculty for STEM Fields": A front page story highlighting my research and discussing how to achieve balance between having a family and a career; August 2009
2. **The Equation WSU COSM Newsletter** "Growing the STEM Pipeline: Recruiting and Retaining Women in STEM"
3. **WSU LEADER Ledger** "*Spotlight on Great Mentors: Dr. Paula A. Bubulya*", Winter 2012
4. **WSU NEWSROOM** "*Taking the Lead*", October 22, 2018

VII. INVITED SEMINARS

A. Invited Keynote Address

1. 2006 Annual Spring Symposium, University of Wyoming, Laramie, WY

B. Invited Research Seminars

1. University of Rio Grande (Ohio), October 2012 “New Insights into Nuclear Organization and Gene Expression”
2. Kettering College, January 2012 “New Insights into Nuclear Organization and Splicing Regulation”
3. Rosalind Franklin University Medical School, March 2011 “New Insights into Nuclear Organization and Splicing Regulation”
4. Department of Biochemistry and Molecular Biology Seminar Series, Wright State University, January 2010 “Novel Functions for Nuclear Speckle Proteins in Nuclear Structure and Gene Regulation”
5. Department of Biology Seminar Series, University of Toledo, March 2007 “Nuclear Speckles: New Possibilities for Coordinating Pre-mRNA Transcription and Processing”
6. Department of Oral Biology Seminar Series, University of Nebraska Medical Center, March 2007 “Nuclear Speckles: New Possibilities for Coordinating Pre-mRNA Transcription and Processing”
7. Department of NCBP Seminar Series, Wright State University School of Medicine, March 2006 “Dynamics and Assembly of the Pre-mRNA Splicing Machinery in Living Cells”
8. Department of Biology Seminar Series, University of Dayton, January 2006 “Dynamics and Assembly of the Pre-mRNA Splicing Machinery in Living Cells”

C. Invited Talks at Conferences

1. Sapna Varia and P.A. Bubulya, American Society for Cell Biology Meeting, New Orleans, LA, December 2013
2. Bubulya, P.A. American Society for Cell Biology Meeting, San Diego, CA, December 2009
3. Bubulya, P.A. Dynamic Organization of Nuclear Function Meeting, Cold Spring Harbor, NY, September 2004
4. Bubulya, P.A. Keystone Symposium on Dynamics of Cellular Organization, Taos, NM, February 2003
5. Bubulya, P.A. Eukaryotic mRNA Processing Meeting, Cold Spring Harbor, NY, August 2001
6. Bubulya, P.A. Dynamic Organization of Nuclear Function Meeting, Cold Spring Harbor, NY, September 2000

XIII. PROFESSIONAL MEMBERSHIPS

1. American Society for Cell Biology (Member since 1994)
2. RNA Society (Member since 2012)

IX. SERVICE

A. Professional Service to Increase Diversity, Equity and Inclusion (DEI)

1. Wright State University Racial Equity Task Force, 2020 – present
2. Faculty Outreach and Pedagogy Committee, WSU Racial Equity Task Force, 2020 – present
3. CoSM Retention Forum, 2020 – present
4. Coaching and Mentoring Committee, CoSM Retention Forum, 2020 – present
5. URM Success Committee, CoSM Retention Forum, 2020 – present
6. Diversity, Equity and Inclusion Committee, Dept. of Biological Sciences, December 2020 – present
7. Women in STEMMS Mentoring Circle, Group Participant, (2014 – present)
8. Women in Science Giving Circle, Student Scholarship applicant review panel, (2018 – 2020)
9. Peer Grant Reader for non-tenured faculty 2018 – 2019
10. Wright Leader Academy Selection Committee (interviewed and selected candidates for 2018 – 19)

11. WomeX Leadership Network, Discussion Leader (2018)
12. Service training/External Community Service: CHOICES Foster Agency Trainings and State of Ohio Foster Home Licensure – relevant to understanding the impact of trauma on education and development, and the needs of URM, LGBTQ, students with disabilities and non-traditional students:
 - a. Ohio Policies for Foster Parents (Pre-Service, 1/18/19)
 - b. Teamwork and Advocacy (Pre-Service, 1/22/19)
 - c. Child development and normalcy (Pre-Service, 1/24/19)
 - d. Trauma and its effects, with sexual abuse (Pre-Service, 2/5/19)
 - e. Behavior management (Pre-Service, 2/7/19)
 - f. Placement effects on youth and family (Pre-Service, 7/25/19)
 - g. Permanency through adoption (Pre-Service, 8/6/19)
 - h. Cultural issues/Transcending differences (Pre-Service, 8/13/19)
 - i. Working with teens (Pre-Service, 8/20/19)
 - j. First aid (Pre-Service, 8/27/19)
 - k. Communicable diseases (Pre-Service, 8/27/19)
 - l. Adult and pediatric CPR/AED (Pre-Service, 8/29/19)
 - m. Active shooter training (In-service, 1/11/20)
 - n. Trauma and its effects, with sexual abuse (In-Service, 3/10/20)
 - o. Verbal De-escalation (In-Service, 7/28/20)
 - p. All About CHOICES (In-Service, 9/17/20; 9/30/21)
 - q. Appropriate discipline strategies for foster care (In-Service, 1/16/21)
 - r. Developing resiliency in youth (In-Service, 1/16/21)
 - s. Supporting LGBTQ youth in care (In-Service, 2/11/21)
 - t. Behavior Management and Self Care (In-Service, 2/25/21)
 - u. Promoting Positive Mental Health (In-Service, 3/8/21)
 - v. COVID-19 and Foster Care (In-service, 3/18/21)
 - w. Severed Ties, Separate Lives, Children Living Away from Their Parents (In-service, 4/8/21)
13. HOPE Group, CHOICES Foster Agency (In-Service, 2021)
14. CHOICES PRIDE Day, Foster Parent Recruiting Event, Dayton, Ohio, June 5, 2021
15. Women in Science Group Mentoring Lunch Organizer (2006 – 2013)
16. Minority Affairs Committee Travel Award, American Society for Cell Biology (Keshia Torr es-Mu oz, M.S. student in the Bubulya Lab), 2012

B. Committee Service in Wright State University

1. Search Committee for CoSM Dean, Member (2021 – present)
2. STEMMS Mentoring Circles, Advisory Committee Co-Director (2018 – present)
3. WSU Faculty Equity Fellows, Co-chair (2016 – 2017)
4. WSU Research Council (2013 – 2015)

C. Committee Service in Wright State University College of Science and Mathematics

1. CoSM Graduate Curriculum Committee, 2020 – 2022
2. CoSM Steering Committee (Elected Member), 2017 – present
3. CoSM Steering Committee Chair, 2018 – 19, 2019 – 2020
4. Women in Science Giving Circle, Grants and Scholarships Committee, 2019 – 2021
5. Created and administered Grant Review Policy for BIO Research Faculty. 2015
6. Created and administered Grant Review Policy for CoSM Research Faculty. 2015
7. Women in Science Giving Circle, Grants and Scholarships Committee Chair, 2013 – 2014
8. 10-year review of Biological Sciences Department Chair, 2012
9. CoSM Safety Committee (Member), 2007
10. CoSM Diversity Committee (Member), 2007

D. Committee Service in Wright State University Department of Biological Sciences

1. BIO Search Committee for Instructor/Clinical Coordinator, Medical Lab Science Program (2021)
2. BIO Undergraduate Curriculum Committee, 2018 – present
3. BIO Honors Program Committee (Member), 2012 – present
4. BIO Space Committee (Chair), 2008 – present
5. BIO Undergraduate Petitions (Member), 2016
6. BIO Seminar Committee (Member), 2005 – 2013
7. BIO Honors Program Committee (Chair), 2007 – 2011
8. BIO Search Committee for Advisor (Member) 2013
9. BIO Search Committee for Advisor (Member) 2014
10. BIO Search Committee for Applied Physiology faculty position (Member), 2013 – 2014
11. BIO Search Committee for Molecular Biologist faculty position (Member), 2007, 2008

E. Committee Service in Wright State University Biomedical Sciences Ph.D. Program

1. BMS Program Curriculum Committee (Elected Member) 2013 – 2021
2. BMS Program Grants Ad hoc Committee (Member) 2014 – 2016
3. BMS Program Academic Policies Committee (Elected Member) 2010 – 2012
4. BMS Program Retreat, Program Committee (Member) 2008

F. External Professional Service

1. Grant Reviewer:

- NIH R15 Review Panel Member, June 2016
- NSF Division of Molecular and Cellular Biosciences, August 2013, Ad hoc reviewer
- NIH R15 Review Panel Member, October 2012
- NSF Division of Molecular and Cellular Biosciences, September 2011, Ad hoc reviewer
- NSF Division of Molecular and Cellular Biosciences, October 2010, Ad hoc reviewer
- NSF Proposal Review Panel Member National Science Foundation, Division of Biological Infrastructure Study Section, April 2008

2. Meeting Organizer/Session Chair:

- American Society for Cell Biology, Invited Organizer/Chair of Mini-symposium, “Structure Function and Expression of the Genome”, ASCB Annual Meeting December 2013
- Rustbelt RNA Meeting Organizer, October 2011 Chair
- Rustbelt RNA Meeting Organizer, October 2010 Vice Chair
- Wright State University STEM “Women in Science” Panel Organizer, WSU, April 2007 Chair
- Women in STEM, Discussion Leader, WSU, October 25, 2015

3. Reviewer for Scientific Journals:

- Molecular Biology of the Cell
- Experimental Cell Research
- Molecular and Cellular Biology
- Nucleus
- PLOS One
- Chromosoma
- Briefings in Functional Genomics
- Journal of Molecular Cell Biology
- International Journal of Molecular Sciences
- RNA
- Cosmetics

- Molecules
- Nucleic Acids Research
- Genes
- RNA Biology
- GENOME

4. Committee Service for Professional Societies

American Society for Cell Biology (ASCB):

- ASCB Women in Cell Biology Committee (Invited Member, 2012 – 2017)
- ASCB Women in Cell Biology Committee annual meeting Mentoring Theater co-organizer (2014, 2015)
- ASCB Roundtable Discussion Leader, (Invited, 2013)
- ASCB One-on-One CV Review Service (since 2012)
- ASCB Ambassador 2009-present

Rustbelt RNA Meeting (RRM):

- RRM Steering Committee (Elected, 2019 – 2022)

X. TEACHING AND MENTORING/ADVISING STUDENTS

A. Courses Taught

2005 – 2022	BIO 4460/6460: Advanced Cell Biology
2017 – 2022	BIO 2120: Cell Biology
2020	BIO 2100: Sophomore Orientation Seminar
2015	BIO 4030: Cell Biology and Physiology
2014 – 2016	BIO 2110: Molecular Genetics
2015	BIO 8000: Regulation of mRNA Localization
2012	BMS 9910: Molecular Basis of Inherited Disease (Spinal Muscular Atrophy Module)
2005 – 2016	BIO 7300/BMS 7780: Graduate Cell Biology
2007 – 2015	BIO 4480/6480: Advanced Cell Techniques Laboratory
2010	BIO 7010/BMS 9910: Epigenetics
2009	BIO 4920: Emerin in Nuclear Organization and Disease
2006	BIO 4920: Seminar course on Transcriptional Regulation of Gene Expression
2006 – 2022	BIO 4950: Senior Honors Research (2 students per quarter)
2006 – 2011	BIO 4990: Undergraduate Research (~2 students per year)
2005 – 2020	BIO 6990: Graduate Research for M.S. students (2 students per quarter)
2006 – 2017	BMS 9970: Laboratory Rotation for Ph.D. students (1-2 students per year)
2005 – 2017	BIO 8990: Graduate Research for Ph.D. students (2 students per quarter)
2008 – 2022	BMS 8990: Dissertation Research for Ph.D. students (2 students per quarter)

B. Student Advising and Mentoring (*underrepresented minority student)

Graduate and undergraduate thesis advisees (year of graduation):

1. Jonathan Blaza, Department of Biological Sciences Honors Program, B.S. student (2010)
2. *Keshia Torr s-Mu oz, Department of Biological Sciences Honors Program, B.S. student (2010)
3. Divya Potabathula, Department of Biological Sciences M.S. student (2009)
4. Lauren Ford, Department of Biological Sciences Honors Program, B.S. student (2009)
5. Jaclyn McCabe, Department of Biological Sciences Honors Program, B.S. student (2009)
6. Theodore Hufford, Department of Biological Sciences Honors Program, B.S. student (2008)
7. Amy Pitstick, Department of Biological Sciences M.S. student (2010)
8. Alok Sharma, BMS Ph.D. student (2011)
9. Jennifer Weber-Pence, Department of Biological Sciences M.S. student (2011-13; left the program)

10. *Keshia Torr es-Mu oz, Department of Biological Sciences, M.S. student (2012)
11. Sapna Shah Varia, BMS Ph.D. student (2012)
12. Vishnu Battini, Department of Biological Sciences M.S. student (2014)
13. Jennifer Barbadora, Department of Biological Sciences Honors Program, B.S. student (2014)
14. Hannah Duckro, Department of Biological Sciences Honors Program, B.S. (2015)
15. Divya Cheedu, Department of Biological Sciences M.S. student (2015)
16. Melissa Ward, Department of Biological Sciences Honors Program, B.S. student (2016)
17. *Jaylen Hudson, Department of Biological Sciences, M.S. student (2020)
18. Melissa Ward, Biomedical Sciences Ph.D. student (Fall 2016 – 2022)
19. Jacob Ward, Department of Biological Sciences Honors Program, B.S. student (2018 – 2022)

Non-thesis students who worked in my laboratory:

19. Rawan Alquatani, Department of Biological Sciences, M.S. student (2019 – 2022)
20. Laura Shields, Department of Biological Sciences, B.S. student (2016)
21. Jennifer Weber, Department of Biological Sciences, B.S. student (2011)
22. *Danielle Dukes, Department of Biological Sciences, M.S. student (2011)
23. Joshua Byrwa, Department of Biological Sciences, B.S. student (2010)
24. Ramya Maddela, Department of Biological Sciences Honors Program, B.S. student (2008 – 2009)
25. Tammy Haas, Department of Chemistry, B.S. student (2008)
26. Tara Wagner, Department of Biological Sciences, B.S. student (2006)
27. Brandon Wolters, Department of Biological Sciences, B.S. student (2005 – 2006)
28. Hollie Gallagher, Department of Biological Sciences, B.S. student (2005 – 2006)

BMS Ph.D. student rotations in my laboratory:

29. Zhihui Deng (2006)
30. Brooke Andrews (2007)
31. Casey Wells (2007)
32. Mary Leonard (2008)
33. Richard Pye (2011)
34. Andrew Snyder (2012)
35. Reilly Clark (2015)
36. *Christian Garrido (2016)

Honors thesis co-advisees:

37. Ashley Sawyer, Department of Biological Sciences Honors Program, B.S. student (co-advisor with Dr. Michael Leffak)
38. Tharu Fernando, Department of Biological Sciences Honors Program, B.S. student (co-advisor with Dr. Courtney Sulentic)

Graduate and Undergraduate Research Associates Supervised:

1. Vishnu Battini (April – November 2014)
2. Melissa Ward (November 2015 – May 2016)
3. Divya Cheedu (February – August 2017)

Ph.D. Dissertation Committees at Wright State University:

1. Zhihui Deng, BMS Ph.D. program (advisor: Dr. Robert Fyffe); graduated Winter 2009
2. Kashmira Kulkarni, BMS Ph.D. program (advisor: Dr. Thomas Brown); graduated Spring 2009
3. Ramnaresh Pandey, BMS Ph.D. program (dismissed from program)
4. Melissa Bautista, BMS Ph.D. program (dismissed from program)
5. Shere Myers, BMS Ph.D. program (advisor: Dr. Michael Leffak); graduated Fall 2010

6. Xiaomi Chen, BMS Ph.D. program (advisor: Dr. Michael Leffak); graduated Winter 2011
7. Robert McCrae, BMS Ph.D. program (left the program)
8. Kelly Miller, BMS M.D./Ph.D. program (advisor: Dr. Steven Berberich); graduated Spring 2010
9. Casey Wells, BMS Ph.D. program (left the program)
10. Ana Benito-Gonzales, BMS Ph.D. program (advisor: Dr. Francisco Alvarez); graduated Spring 2011
11. Mary Leonard, BMS Ph.D. program (advisor: Dr. Madhavi Kadakia); graduated Fall 2012
12. Renee Albers, BMS Ph.D. program (advisor: Dr. Thomas Brown); graduated Fall 2017
13. Elliot Hanes, BMS Ph.D. program (advisor: Dr. Shulin Ju); graduate Fall 2018
14. Reilly Clark, BMS Ph.D. program (advisor: Dr. Madhavi Kadakia); graduated Spring 2019
15. Andrew Stacey, BMS Ph.D. program (advisor: Dr. Madhavi Kadakia); since 2015
16. Rajalakshmi Santhanakrishnan (advisor: Dr. Quan Zhong); graduated Spring 2019
17. Sara Seibert, BMS Ph.D. program (advisor: Dr. Jeffrey Peters); since 2016
18. Ishita Haider, BMS Ph.D. program (advisor: Dr. Dr. Quan Zhong); since 2016
19. Ryan Rakoczy, BMS Ph.D. program (advisor: Dr. Dr. Chris Wyatt); since 2019
20. Amanda Meyers (advisor: Dr. Weiwen Long); since 2019

Ph.D. Dissertation Committees outside of Wright State University:

21. Haya Sarras, University of Toronto, Canada (2012)

M.S. Committees at Wright State University:

22. Jennifer Chang, M.S. (advisor: Mill Miller); graduated 2012
23. Brock Miniard, M.S. (student's research was done at Batelle, graduated 2012)
24. Emily King (advisor: Dr. Scott Baird) graduated 2014
25. Nayana Nikumbh (advisor: Dr. Mill Miller) graduated 2015
26. Moydul Islam (advisor: Dr. Quan Zhong) since 2016
27. Leah Shurte (advisor: Dr. Shulin Ju) graduated 2016
28. Steve Sayson (advisor: Dr. Labib Rouhana) graduated 2016

Elementary Students learning fundamental techniques in my laboratory (last names withheld for privacy):

29. *Jordan (grade 6)

Pre-college women interested in science careers for whom I provided mentorship:

30. *Grace Simons, student, Dayton Regional STEM School graduate