



Ahna Skop

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Positions

Chief Scientific Officer & CEO aMBR Genomics	7/2025 - Present
Professor of Genetics University of Wisconsin, Madison	2018 - Present
Affiliate Faculty, Cell & Regenerative Biology University of Wisconsin-Madison	2025 - Present
Affiliate Faculty, Life Sciences Communication University of Wisconsin, Madison	2015 - Present
Affiliate Faculty, Art Department University of Wisconsin, Madison	2015 - Present
Co-Director, MRSEC Education Group UW-Madison	2021 - 2023
Materials Research Science and Engineering Center (MRSEC)	
Visiting Investigator/Sabbatical HHMI/Fred Hutchinson Cancer Center Dr. Harmit S. Malik's laboratory	2022 - 2022
IF/THEN Ambassador AAAS & the Lyda Hill Philanthropies	2019 - 2021
Global Professor of Biology/Sabbatical NYU-Abu Dhabi (2012-2013)	2012 - 2013
Assoc. Professor of Genetics University of Wisconsin, Madison (2011-2018)	2011 - 2018
Assist. Professor of Genetics University of Wisconsin, Madison (2004-2011)	2004 - 2011

Education

B.S. Biology, Minor: Ceramics Syracuse University	1990 - 1994
<u>Mentor:</u> <ul style="list-style-type: none">Dr. Kevin VanDoren (d. 1995).	
Ph.D. Cell and Molecular Biology University of Wisconsin, Madison	1994 - 2000
<u>Thesis Advisor:</u> <ul style="list-style-type: none">Dr. John White Thesis: Determining the mechanisms involved in cleavage plane specification and cytokinesis in <i>Caenorhabditis elegans</i>.	
Postdoctoral University of California, Berkeley	2000 - 2003
<u>Mentors</u> <ul style="list-style-type: none">Dr. Rebecca Heald and Dr. Barbara Meyer, John Yates (Scripps); NIH postdoctoral fellowship: A functional proteomic and comparative genomic approach to studying cytokinesis.	
Honorary Doctorate of Science (D.Sc.) College of Saint Benedict, St. Joseph, MN	2008 - 2008

Board Membership

- aMBR genomics, Inc. 2025-present
- ASCB Council (elected), 2024-2027
- Syracuse University BioInspired Board member, 2022-present
- Wisconsin Science Museum, 2016-Present
- SACNAS Board Member elect, 2014-2016
- Museum of Wisconsin Art, 2011-2012

Professional membership

- American Society for Cell Biology (ASCB), 1996-Present
- Genetics Society of America (GSA), 1996-Present
- Society for the Advancement of Native Americans and Chicanos in Science (SACNAS), 2004-Present (Lifetime member)
- Society for Developmental Biology (SDB), 2005-Present
- American Association for the Advancement of Science (AAAS)

Honors & Awards

- Fellow, Wisconsin Academy of Arts and Sciences (2024)
- Vilas Faculty Mid-Career Investigator Award (2022)
- AAAS IF/THEN Ambassador (2019-2021).
- STEM Superstar at UW-Madison (Brava Magazine) (2019).
- 2018 ASCB/HHMI Award for Excellence in Inclusivity (2018).
- M List Awardee (Madison Magazine), Innovation in the Arts for my NSF-funded "Genetic Reflections" Science Art piece (2018).
- SACNAS/AAAS LPSLI Fellow (2017).
- Chancellor's Inclusive Excellence Award in Teaching (2016).
- UW-Madison Teaching Academy (2016-present).
- HHMI Teaching Mentor, UW-Madison WISCIENCE Teaching Fellows Program (2014-15).
- National Academy of Sciences, Kavli Frontiers in Science Fellow (2015).
- Forward under 40 award, from the Wisconsin Alumni Association (WAA) (2010).
- Carl Storm Underrepresented Fellowship Awardee, Gordon Research Conference, Motile & Contractile Systems (2009).
- 40 under 40, In Business Magazine award (2008).
- Honorary Doctorate of Science (D.Sc.), College of Saint Benedict, St. Joseph, MN (2008).
- Kentucky Colonel (Highest honor bestowed by the state of Kentucky to a Kentuckian) (2008).
- Emerging Scholar, Class of 2008; Diverse: Issues In Higher Education Magazine award (2008).
- Remarkable Woman in Science, AAAS (2008).
- Presidential Early Career Award for Scientists and Engineers (PECASE); President Bush (2006).

Grant Support (Current)

Validation of MBR isolation from human serum and tissue samples
WARF Accelerator: \$197,521

2/24/2025 - 2/28/2026

Altered transfer of cell fate determinants via the midbody remnant in autism spectrum disorder 12/1/-24 - 11/30/2027
[NIH R21MH138941](#). Total Funds Received: \$427,625

"Tactile Mitosis: Using art to make science accessible" 2024 - 2025
UW-Madison, Center for Healthy Minds, \$10,000

Grant Support (Pending)

Mechanisms governing the midbody remnant in intercellular RNA communication 2026 - 2031
[NIH R35-GM157985](#). Total funds requested: \$5, 895, 637

The Non-Canonical Transmission of Viruses via Midbody Remnants 2026 - 2029
[NSF-MCB](#)
NSF pending support
Total Funds Requested: \$840,000

Grant Support (Past)

Functional analysis of mammalian midbody RNA in post-mitotic signaling functions 09/16/2021 - 08/31/2025
[NIH-NIGMS R01 \(AAJ8576\)](#): Total Funds Received: \$2,685,560

Vilas Faculty Mid-Career Investigator Award 07/01/2022 - 06/30/2025
UW-Madison (133-AAL3111), Total Funds Received: \$100,000

"Lab Culture: Recipes for Innovation in Science" Cook Book/Website 08-01-2020 - 07-30-2021
[AAAS: IF/THEN Ambassador Award for outreach](#)
Budget: \$10,000

The Midbody as a Novel Translating Organelle 07-01-2020 - 06-30-2021
[UW-Madison Campus Competition](#)
Budget: \$78,523

Midbodies Package Viral Genomic RNAs and Medial Non-Canonical Viral Transmission 07-01-2020 - 06-30-2021
[UW-Madison Campus Competition](#)
Collaborator: Dr. Kristen Bernard
Budget: \$51,762

Investigating Midbody mRNA Function during Mitosis 07-01-2017 - 06-30-2020
[NSF MCB 1716298](#)
Budget: \$897,406

Human Genome Sequencing to Identify Genes Involved in Ehlers Danlos Syndrome, Hypermobility Type 12-01-2018 - 11-29-2019
[UW-Madison Campus Translational Research Funding ICTR](#)
Budget: \$50,000

Investigating the Contribution of Membrane Trafficking to Cell Division 06-01-2012 - 05-31-2018
[NSF-MCB-1158003](#)
Annual direct costs: \$227,784

Vilas Life Cycle Award 07-01-2015 - 06-30-2017
[UW-Madison](#)
Annual direct costs: \$40,00

REU: Membrane Trafficking during Cytokinesis 06-01-2012 - 05-31-2017
[NSF MCB MCB-1158003](#)
Annual direct costs: \$29,612

STEM Diversity Network 11-01-2015 - 12-31-2017
[Sloan Foundation \(via George Mason University\)](#)
Annual direct costs: \$10,000

Investigating Plasma Membrane Regulation during Development 05-15-2008 - 04-30-2014
[NIGMS: K01-HL092583; NIH K01 Research Career Development Award](#)
Annual direct costs: \$133,545

Regulation of Membrane-Cytoskeletal Dynamics during Cytokinesis 05-15-2006 - 04-30-2012
[NSF CAREER Award: MCB: 0546398 \(PECASE Award\)](#)
Annual Direct Costs: \$149,658

Publications (Refereed Articles or In Review)

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- Kuriyama R, Mullins JM, Skop AR. The midbody and midbody remnant: from cellular debris to signaling organelle with diagnostic and therapeutic potential. *Mol Biol Cell*. 2025 Jul 1;36(7):re4. doi: 10.1091/mbc.E25-03-0120. Epub 2025 May 28. PMID: 40434898; [PMCID: PMC12260166](#).
 - Patel, S., Park, S., Torr, E., Zhu, D., Dureke, AG, McIntyre, A., Muzyka, N., Severson, J., Skop, AR. (2024) Extracellular vesicles, including large translating vesicles called midbody remnants, are released during the cell cycle. *Molecular Biology of the Cell*, Nov 13;mbcE23100384. doi:

10.1091/mbc.E23-10-0384. Epub ahead of print. PMID: 39535882.

- Murray SA, Holzbaur ELF, Munson M, Cimini D, Lane TF, Alvania R, Applewhite DA, Chang F, Chen EH, Earnshaw WC, Evans CS, Li R, Mierzwa BE, Oliver T, Segarra VA, Skop AR, Weaver LN, Asai DJ, Boyce M, Zavala ME, Hammonds-Odie L, Vigoreaux J. ASCB statement of commitment to diversity, equity, and inclusion. *Mol Biol Cell*. (2024) Aug 1;35(8):ed3. doi: 10.1091/mbc.E24-06-0244. PMID: 39037589.
- Skop, A., Schindler, K. Localized translation in the embryo. *Nat Rev Mol Cell Biol* (2024). doi: <https://doi.org/10.1038/s41580-024-00725-z>
- Jung, GI, Londono-Vasquez, D., Park, S., Skop, AR., Balboul, A., Schindler, K. (2023). A meiotic midbody structure in mouse oocytes acts as a barrier for nascent translation to ensure developmental competence. *Nature Communications*. 2023 Nov 16;14(1):7419. doi: 10.1038/s41467-023-43288-x. PMID: 37973997
- Park, S., Patel, S., Torr, E., Dureke, AG, McIntyre, A, Skop, AR. (2023). A protocols for isolation and imaging large extracellular vesicles or midbody remnants from mammalian cell culture. *Cell STAR protocols*, Dec 15; 4(4): 102562. PMID: 37690025
- Park, S., Dahn, RD, Kurt, E., Presle, A, VanDenHeuvel, K., Moravec, C., Jambhekar, A., Olukoga, O., Shepherd, J., Echard, A., Blower, MD, Skop, AR (2023). The midbody and midbody remnant are assembly sites for RNA and active translation. *Developmental Cell* 58, 1917-1932. PMID: 37552987
- Del Castillo, U, Gnazzo, MM, Semaya, E, Lam, Y, Riggs, B, Hall, DH, Gelfand, V, and Skop, AR (2019). Conserved role for Ataxin-2 in mediating ER dynamics. *Traffic*, Jun;20(6):436-447. doi: 10.1111/tra.12647. Epub 2019 May 8. PMID: 30989774.
- Billmyre KK, Doebly AL, Spichal M, Heestand B, Belicard T, Sato-Carlton S, Simon M, Gnazzo M, Skop A, Moerman D, Carlton PM, Sarkis P, Ahmed S. The meiotic phosphatase GSP-2/PPT promotes germline immortality and small RNA-mediated genome silencing. *PLoS Genet*. 2019 Mar 28;15(3):e1008004. doi: 10.1371/journal.pgen.1008004. PMID: 30921322.
- Skop, AR (2018). The entrance: how life experience shaped my passion for diversity and inclusion. *Mol Biol Cell*. 2018 Nov 1;29(22):2608-2610. doi:10.1091/mbc.E18-07-0431. PMID: 30376436.
- Gnazzo, MM, Villarreal, A, Skop, AR (2017). Systematic analysis of atx-2 suppressors reveal a role for CGH-1 function in regulating PAR-5 during mitosis in *C. elegans*. G3, Published on August 8, 2017; bioRxiv 173856; doi: <https://doi.org/10.1101/173856>
- Gnazzo, MM, Uhlemann, EM, Villarreal, A, Shirayama, M, Dominguez, EG, Skop, AR (2016). The RNA-binding protein ATX-2 regulates cytokinesis through PAR-5 and ZEN-4. *Molecular Biology of the Cell*. 2016 Oct 15;27(20):3052-3064. PMID: 27559134.
- Gnazzo MM, Skop AR (2014). Spindlegate: the biological consequences of disrupting traffic. *Developmental Cell*. 2014 Mar10;28(5): 480-2. doi: 10.1016/j.devcel.2014.02.014. PubMed PMID: 24636255.
- Bonner MK, Han, BH, Skop AR (2013). Profiling of the mammalian mitotic spindle proteome reveals an ER protein, OSTD-1, as being necessary for cell division and ER morphology. *PLoS One*. 2013 Oct 10;8(10):e77051 PMID: PMC3794981.
- Pittmann, KJ & Skop, AR (2012). Anterior PAR proteins function during cytokinesis and maintain DYN-1 at the cleavage furrow in *Caenorhabditis elegans*. *Cytoskeleton*. Aug 6 2012 doi: 10.1002/cm.21053 PMID: PMC3650724.
- Shivas, JM & Skop, AR (2012). *C. elegans* Arp2/3 mediates early endosomal dynamics and recycling of anterior polarity cues to promote PAR maintenance. *Molecular Biology of Cell*. 2012 Mar 28. PMID: PMC3350555.
- Bonner MK, Poole DS, Xu T, Sarkeshik A, Yates III JR, Skop AR (2011). Mitotic spindle proteomics in Chinese Hamster Ovary cells. *PLoS ONE* 6(5): e20489. doi:10.1371/journal.pone.0020489 PMID: PMC3103581.
- Ai E, Poole DS, Skop AR (2011). Long astral microtubules and RACK-1 stabilize polarity domains during maintenance phase in *Caenorhabditis elegans* embryos. *PLoS ONE* 6(4): e19020. PMID: PMC2775247.
- Shivas JM*, Morrison HA*, Bilder D, Skop AR (2010). Polarity and endocytosis: reciprocal regulation. *Trends in Cell Biology*. 20(8): 445-52. *authors contributed equally PMID: PMC2917511.
- Ai E, Skop AR (2009). Endosomal recycling regulation during cytokinesis. *Communicative & Integrative Biology*. 2(5): 444-7. PMID: PMC2775247.
- Nakayama Y*, Shivas JM*, Poole DS, Squirrell JM, Kulkoski JM, Schleede JB, Skop AR. (2009). Dynamin participates in the maintenance of anterior polarity in the *Caenorhabditis elegans* embryo. *Developmental Cell*. Jun; 16(6): 889-900. PMID: PMC2719978.
- Ai E, Poole DS, Skop AR (2009). RACK-1 directs dynactin-dependent RAB-11 endosomal recycling during mitosis in *Caenorhabditis elegans*. *Molecular Biology of the Cell*. Mar; 20(6): 1629-38. PMID: PMC2655251.
- Bonner MK, Skop AR (2008). Cell division screens and dynam. *Biochemical Society Transactions*. Jun; 36(Pt 3): 431-5. PMID: PMC3660067.
- Zhang H, Skop AR, White JG (2008). Src and Wnt signaling regulate dynactin accumulation to the P2-EMS cell border in *C. elegans* embryos. *Journal of Cell Science*. Jan 15; 121(Pt 2): 155-61. PMID: 18187449.
- Dinkelmann MV, Zhang H, Skop AR, White JG (2007). SPD-3 is required for spindle alignment in *Caenorhabditis elegans* embryos and localizes to mitochondria. *Genetics*. Nov; 177(3): 1609-20. PMID: PMC2147968.
- Konopka CA, Schleede JB, Skop AR, Bednarek SY (2006). Dynamin and cytokinesis. *Traffic*. Mar; 7(3): 239-47. PMID: PMC3654675.
- Otegui MS, Verbrugghe KJ, Skop AR (2005). Midbodies and phragmoplasts: analogous structures involved in cytokinesis. *Trends in Cell Biology*. Aug; 15(8): 404-13. PMID: PMC3677513.
- Skop AR, Liu H, Yates J 3rd, Meyer BJ, Heald R (2004). Dissection of the mammalian midbody proteome reveals conserved cytokinesis mechanisms. *Science*. Jul 2; 305(5680): 61-6. PMID: PMC3679889.
- Thompson HM*, Skop AR*, Euteneuer U, Meyer BJ, McNiven MA (2002). The large GTPase dynamin associates with the spindle midzone and is required for cytokinesis. *Current Biology*. Dec 23; 12(24): 2111-7. *authors contributed equally PMID: PMC3690653.
- Skop AR, Bergmann D, Mohler WA, White JG (2001). Completion of cytokinesis in *C. elegans* requires a brefeldin A-sensitive membrane accumulation at the cleavage furrow apex. *Current Biology*. May 15; 11(10): 735-46. PMID: PMC3733387.
- Skop AR, White JG (1998). The dynactin complex is required for cleavage plane specification in early *Caenorhabditis elegans* embryos. *Current Biology*. Oct 8; 8(20): 1110-6. PMID: PMC3690630.

Patents

P230134U01: THE MIDBODY AND MIDBODY REMNANT ARE ASSEMBLY SITES FOR RNA AND ACTIVE TRANSLATION

Books

- Skop, Ahna., R., Qing, C, Rauf, H., Blaszczyk, S., Kurt, E., Chu, D. (2025), "Lab Culture: A recipe for innovation in science", Self-published on Amazon.com, April 17, 2025, p1-199, ISBN-13 : 979-831712440
- Skop, Ahna R, Kurt, E., Marks, C. (2020) Genetic Reflections: A Coloring Book. Independently Published on Amazon.com
 - https://www.amazon.com/dp/B08KJSGTB4/ref=cm_sw_em_r_mt_dp_3RFHFbGK3PMJG
- Skop, Ahna R, Kurt, E., Marks, C. (2020) Genetic Reflections: A Coloring Book. Independently published on BLURB (digital version of the book).
 - <https://www.blurb.com/b/10191979>

Publications (Non-Refereed Articles)

- Gnazzo, M and Skop, AR (2017). "What is the connection between cell division and neurodegenerative disease?" *Atlas of Science*, 2017-07-28. <http://atlasofscience.org/what-is-the-connection-between-cell-division-and-neurodegenerative-disease/>
- Skop, AR (2016). "Dr. Skop goes to Washington" GSA Genes to Genomes Blog. 2016-05-18. <http://genestogenomes.org/dr-skop-goes-to-washington/>
- Chu, D. and Skop, AR (2015). The Beauty and Humor of the Worm", GSA Genes to Genomes Blog. 2015-07-07. <http://genestogenomes.org/the-beautyand-humor-of-the-worm/>

Publications (Chapters in Books)

- Skop, AR (2016). Figure 24-9: The Midbody during Cytokinesis. *Becker's World of the Cell* (9th edition). Boston: Pearson ISBN 978032193425.
- Skop, AR (2008). Textbook image: "Dividing CHO cells", an image that appeared in *Science* 305:61, 2004, Fig 1a, showing the microtubule-containing midbodies between dividing CHO cells, in *Cell And Molecular Biology*, by Gerald Karp, 5th edition.

Publications (Websites)

- Kurt, E., Blaszczyk, S., Chu, D., Skop, AR (2021), Lab Culture Recipes, <https://www.labculturerecipes.com/>
- Skop, AR & Kurt, E. (2020). "Genetic Reflections: A coloring book interactive and virtual workshop", <https://skoplab.weebly.com/genetic-reflections.html>
- Olukoga, OK, Morse, K., Skop, AR (2017). STEM diversity network website (2015-present). Sloan Foundation Supported (2015-2017); UW-Madison Provost Office supported (2016-present). Built and curate this campus web resource: <https://stemdiversity.wisc.edu>

Invited Keynote Presentations

(54 keynote talks): *these are campus or public talks on my science, art, science education & scicomm, unless noted

- University of Edinburgh, "Too creative for science?", Outreach keynote (5/30/2024)
- University of Iowa, MCB retreat keynote speaker, "The curious story of the midbody remnant", Iowa City, IA (4/19/24)
- Biology Leadership Conference sponsored by Pearson, "The curious story of the midbody remnant", Tucson, AZ (4/13/24)
- Emory University, Cell Biology Retreat, "The curious story of the midbody remnant", Host: David Katz, Atlanta, GA (10/12/23) (*science keynote)
- 2023 International Conference of Advanced Imaging in Medicine, "Too creative for science?", Host: Huabei Jiang, Chongqing, China (7/28-29/23)
- University of Washington, Seattle, "Lessons in persistence", Host: Dr. Barbara Wakimoto (11/16/2022)
- Xavier University of Louisiana, "Too creative for science?", Host: Dr. Michelle Boissiere (9/15/2022)
- Stem Advocacy Institute, "Too creative for science?", ZOOM, Host Dr. Fanuel Muindi (4/17/2021)
- Syracuse University, "Too creative for science?", ZOOM, Named lectureship: Norma Slepecky Lecture (4/16/2021)
- Pewaukee High school, "The midbody", ZOOM, (4/12/2021)
- NCECA (Ceramics) National Conference, "Too creative for science?", ZOOM (3/19/21)
- Haverford College, "Too creative for science?", ZOOM, Host Dr. Amy Cooke (11/18/2020).
- Kansas State University, "Too creative for science?", ZOOM, grad. student invited, Special SciComm Month Keynote (11/16/2020).
- University of Utah, "Too creative for science?", ZOOM, Host, Dr. Gillian Stanfield & the Univ. of Utah SACNAS chapter (10/30/2020).
- Weill Cornell Medical School, "Too creative for science?", ZOOM, Host, Dr. Marcus Lambert (Asst. Dean of Diversity & Student Life) (04/15/2020).
- Wisconsin Institutes of Discovery (WID), "Too creative for science?", Public open house even for investors, Madison, WI. (02/12/2020).
- Lawrence University, "Too creative for science?", Appleton, WI (11/11/2019).
- University of Minnesota, "Too creative for science?", Minneapolis, MN (10/03/2019).
- ASCB Cellulart, Univ of Toldeo, "Too creative for science?", Toldeo, OH (09/27/2019).
- Rutgers Zimmerli Art Museum, "Too creative for science?", New Brunswick, NJ (09/17/2019).
- University of Michigan IRACDA conference, "Too creative for science?", Ann Arbor, MI (07/02/2019).
- Pacific Northwest Society for Cell Biology Meeting, "Too creative for science?", Friday Harbor, WA (03/21/2019).
- UW-Madison Plant Pathology Graduate Student Seminar Series, "Too creative for science?", Madison, WI (11/09/2018).
- Stowers Institute, Big Ideas Keynote Lecture, "Too creative for science?", Kansas City, Missouri; <https://youtu.be/Dn1WGIDDIkw> (10/30/2018).
- University of Toronto, Graduate Retreat Keynote, "Too creative for science?", Toronto, Canada (09/25/2018).
- UC-San Diego, IRACDA Retreat Keynote, "Too creative for science?", La Jolla, CA (09/06/2018).
- ASPB Keynote Lecture, "Too creative for science?", Montreal, Canada (07/15/2018).
- Highpoint University, Art science "Too creative for science?", Highpoint, NC (04/21/2018).
- MIT and Univ of Massachusetts-Boston (joint invite) keynote on art and science, "Too creative for science?", Boston, MA (10/27/2017).
- Mount Desert Island Biological Laboratory, Science Cafe, "Too creative for science?", Bar Harbor, ME (08/21/2017).
- Wednesday Night at the Lab, "Too creative for science?", Madison, WI (03/29/2017).
- UW-Madison Advising Conference, Keynote Speaker, "Creating Inclusive Learning Environments", Madison, WI (03/01/2017).
- Women in STEM conference, Keynote Speaker, Madison Science Museum, "Too creative for science?", Madison, WI (11/5/2016).
- Outstanding Women in Science series, Keynote, University of Alabama-Birmingham, "Too creative for science?", Birmingham (11/1/2016).
- Cal State University-Northridge, MARC/RISE keynote speaker, "Too creative for science?" Northridge, CA (10/6/2016).
- UW-Madison Postdoctoral Association Symposium, Keynote speaker, Madison, WI (09/20/2016).
- NY Institute of Technology, Keynote speaker at SOURCE event, "The mystery and beauty of cell division", NYC (04/15/2015).
- Northeastern Illinois University, Keynote speaker at MARC program, "Too creative for science?", Chicago, IL (11/19/2015).
- UC-Boulder, Signaling Cellular Regulation Training Program (NIH), career speaker, "Too creative for science?", Boulder, CO (12/1/2015).
- Ana G. Mendez University System, Pre-College Symposium, Keynote, "Too creative for science?", San Juan, PR (05/16/2015).
- University of Hawaii-Manoa, Keynote (Campus Diversity Meeting/SACNAS), "Too creative for science?", Honolulu, Hawaii (04/18/2015).
- Wright State, Public Keynote speaker, "Too creative for science?", Dayton, OH (03/30/2015).
- UNC Distinguished Lecture, IMSD Research Symposium, student-invited speaker, "Too creative for science?", Chapel Hill, NC (11/6/2014).
- SANCAS meeting Keynote, "Too creative for science", <https://www.youtube.com/watch?v=VehDRxTCW-4>, Los Angeles, CA (10/15/2014).
- Wisconsin Science Festival, Lecture on creativity in science, Madison, WI (09/23/2011).
- NYU-Abu Dhabi, Distinguished Lecture Series, speaker, "Too creative for science?", Abu Dhabi, UAE (12/5/2011).
- New Media Consortium (NMC) Conference, Keynote Speaker, "Too creative for science?", sponsored by Apple & Adobe (06/14/2011).
- Children's Hospital of Philadelphia, "Genetically an artist: How the arts influenced my career in science", keynote speaker at National Postdoc Appreciation Week, Philadelphia, PA (09/20/2010).
- Bascom Hill Society Showcase Lecture on Art and Science, UW-Madison Arboretum, Madison, WI (7/22/2008).
- College of St. Benedict's, Commencement Speech on Art and Science, St. Cloud, MN (5/10/2008).

Invited Academic Research Presentations

91 seminars; *these are research talks at academic institutions or scientific conferences

- Univ of Nebraska, "One cell divides into three things?: The curious story of the midbody remnant", (11/8/25), Host: Mike Hermann
- Precision Cancer Genomics in Human Health Conference: "Midbody remnants are unique translating EV biomarkers for cancer diagnostics and tissue-specific RNA profiling", (9/18/25), Invited Speaker
- Univ. of Pennsylvania, "One cell divides into three things?: The curious story of the midbody remnant" (9/8/25), Host: Student invited
- Emory University, "One cell divides into three things?: The curious story of the midbody remnant" (9/4/25), Host: Student invited, Taste of Science Public Talk
- International C. elegans Conference, "Lost in Translation No More: Midbodies as Hubs of RNA Activity and Large Extracellular Vesicle Biogenesis", (7/1/25), Invited Speaker
- International SDB Meeting, "Unveiling the significance of Midbody Remnants: A novel class of translating EVs", (6/19/25): Invited Speaker
- UC-Santa Cruz, "One cell divides into three things?: The curious story of the midbody remnant", (6/13/25), Host: Jordan Ward
- Univ. of Maryland: "One cell divides into three things?: The curious story of the midbody remnant" (3/6/2025), Host: Eric Haag
- Vanderbilt Univ., TN, "One cell divides into three things?: The curious story of the midbody remnant" (11/25/24), Host: Kathy Gould
- National Institute for Science Teaching (NIST), "Making science accessible through Art" (11/22/24), Host: Univ of Iowa
- UW-Madison Biotech Center, "One cell divides into three things?: The curious story of the midbody remnant" (11/07/24), Host: Charles Konsistke
- University of North Carolina-Greensboro, NC, "One cell divides into three things?: The curious story of the midbody remnant" (10/25/24), HBCU
- UW-Madison McArdle, "One cell divides into three things?: The curious story of the midbody remnant" (10/11/24), Host: Dick Burgess
- UW-Madison, CRB, "One cell divides into three things?: The curious story of the midbody remnant" (09/25/24), Host: Deneen Wellik
- Dagstuhl Seminar, Germany "The art and science of cell division" (7/23/2024)
- FASEB RNA localization and Local Translation meeting, Melbourne, FL. "The midbody and midbody remnant are assembly sites for RNA and localized translation", (7/8/2024)
- University of Cambridge, UK, "The curious story of the midbody remnant", Host: Paolo D'Avino (6/3/24)
- University of Edinburgh, "The curious story of the midbody remnant", Host: Bill Earnshaw (5/30/24)
- Rockville Science Center, "The curious story of the midbody remnant", (5/14/24)
- VIZBI conference, "The midbody is a novel translating RNA-based organelle necessary for cell-cell communication & Tactile mitosis" (3/14/24)
- ASCB, "The midbody is a novel translating RNA-based organelle necessary for cell-cell communication" (12/2/23)
- XULA, "One cell divides into three things? --The curious story of the midbody" (11/9/23)
- Burroughs Wellcome, ENFOLD conference on science and art, "How does art benefit science and university programs that bring them together?", (9/21/23)
- University of Toronto, "One cell divides into three things? --The curious story of the midbody" (10/20/23)
- Wednesday Night at the Lab: "One cell divides into three things? --The curious story of the midbody" (5/10/23)
- ASCB, "Using Art to make Science more Accessible". Science Art Subgroup Session speaker. (12/03/2022)
- University of Washington, Seattle. Genomics & Biology joint talk. "Too creative for science?" (11/16/22)
- SACNAS, "Using art to make science more accessible", (10/29/22)
- Gordon Research Conferences, Cell Polarity Signaling: "The midbody is an actively translating RNP granule", (6-3-22)
- Western Washington University, "The midbody is an actively translating RNP granule", (5-18-22)
- University of Washington-Seattle, "The midbody is an actively translating RNP granule", (Named Lectureship: Bornstein Lecture)(5-10-22)
- CSHL: Symposium Celebrating the life of Dr. Sydney Brenner, "The science and art of C. elegans" (3/24/22)
- University of Southern Illinois, "The midbody is an actively translating RNP granule", (12/03/2021).
- University of Puerto Rico-Rio Piedras, "The midbody as an actively translating RNP granule", (11/23/2021).
- University of Michigan, "The midbody as an actively translating RNP granule", (10/13/2021).
- Harvard University, "The midbody as an actively translating RNP granule", ZOOM. (Named Lectureship: Jocelyn Spragg Lecture) (5/3/2021).

- Yale University, "The midbody as an actively translating RNP granule", ZOOM. (Valerie Horsley, host) (4/28/2021).
- Syracuse University, "The midbody as an actively translating RNP granule", ZOOM. (Named Lectureship: Normal Slepecky Lecture) (4/19/2021).
- UCLA, "The midbody as an actively translating RNP granule", ZOOM. (Tracey Johnson, host) (12/17/2020).
- University of Delaware, "The midbody as an actively translating RNP granule", ZOOM. (Jia Song, host) (10/05/2020).
- UW-Madison RNA Maxi Group, "The midbody as an actively translating RNP granule", Madison, WI (02/11/2020).
- ASCB/EMBO 2019, "The midbody as an actively translating RNP granule", Washington, DC (12/09/2019).
- University of Wisconsin-Madison, McArdle Seminar Series, "The midbody as a translating RNP granule", Madison, WI (12/04/2019).
- University of Minnesota, "The midbody as a translating RNP granule", Minneapolis, MN (10/03/2019).
- University of Wisconsin-Madison, Genetics Colloquium, "The midbody as a translating RNP granule", Madison, WI (09/18/2019).
- Rutgers University, "The midbody as a translating RNP granule", New Brunswick, NJ (09/16/2019).
- University of Wisconsin-Milwaukee, "The midbody as a translating RNP granule", Milwaukee, WI (09/13/2019).
- EMBO 2019 Aneuploidy Workshop, "The midbody as a translating RNP granule", Cascais, Portugal (05/13/2019).
- Pacific Northwest Society for Cell Biology Meeting, "The midbody as a translating RNP granule", Friday Harbor, WA (03/21/2019).
- ASCB/EMBO 2018, Midbody session, "The midbody as a RNP granule", San Diego, CA (12/08/2018).
- Stowers Institute, "What is the connection between cell division and neurodegenerative disease?", Kansas City, Missouri (10/31/2018).
- University of Toronto, "What is the connection between cell division and neurodegenerative disease?", Toronto, Canada (09/24/2018).
- UC-San Diego, Medical School, "What is the connection between cell division and neurodegenerative disease?", La Jolla, CA (09/07/2018).
- Highpoint University, "What is the connection between cell division and neurodegenerative disease?", Highpoint, NC (04/20/2018).
- Northwestern University, "What is the connection between cell division and neurodegenerative disease?", Chicago, IL (02/14/2018).
- Univ of Massachusetts-Boston, "What is the connection between cell division and neurodegenerative disease?", Boston, MA (10/28/2017).
- San Francisco State University, "What is the connection between cell division and neurodegenerative disease?", San Francisco (09/21/2017).
- UW-Madison, Genetics Colloquium, "What is the connection between cell division and neurodegenerative disease?", Madison (09/6/2017).
- Mount Desert Island Biological Laboratory, "What is the connection between cell division and neurodegenerative disease?" (08/21/2017).
- 21st International C. elegans meeting, "The role of ATX-2 in cytokinesis", parallel speaker, UCLA (06/23/2017).
- University of Oregon-Eugene, "The mystery and beauty of cell division", Eugene, OR (05/30/2017).
- University of Alabama at Birmingham, Biochemistry Department, "The mystery and beauty of cell division", Birmingham, AL (11/1/2016).
- Iowa State University, GDCB Department Seminar, "The mystery and beauty of cell division?", Ames, IA (09/14/2016).
- UC-Boulder, MCDB, "The mystery and beauty of cell division", Boulder, CO (12/1/2015).
- Ithaca College, Invited speaker, "The mystery and beauty of cell division", Ithaca, NY (10/2/2015).
- SUNY Upstate, Invited speaker, "The mystery and beauty of cell division", Syracuse, NY (09/30/2015).
- Washington State University-Pullman, Invited speaker, "The mystery and beauty of cell division", Pullman, Washington (09/3/2015).
- Wright State, Biology Department, seminar, "The mystery and beauty of cell division", Dayton, OH (03/30/2015).
- ASCB: The mechanics of cell division session: "Profiling the metaphase spindle proteome reveals OSTD-1, a N-glycosylation protein, as playing a role in cytokinesis and ER morphology" San Francisco, CA (12/10/2014).
- UC-Davis Invited Speaker, "Unraveling the secrets of asymmetric cell division", Davis, CA (11/14/2013).
- Chicago Cytoskeleton Invited Speaker, "Cell asymmetry and cell division in C. elegans embryos", Chicago (03/15/2013).
- McPherson Eye Research Institute, "Cell division in C. elegans embryos", Madison, WI (03/12/2013).
- Michigan Tech, Invited Speaker, "Cell division in C. elegans embryos", Houghton, MI (03/1/2013).
- New York University, Invited Speaker, "Cell asymmetry and cell division in C. elegans embryos", NYC, NY (04/23/2012).
- University League Invited Speaker, "They mystery and beauty of cell division?", Madison, WI (03/15/2012).
- NYU-Abu Dhabi, "How membrane trafficking contributes to cell polarity and cytokinesis", Abu Dhabi, UAE (12/6/2011).
- New Mexico State University, Department of Biology, "Cell division in C. elegans embryos". Las Cruces, NM (11/15/2011).
- New Mexico State University, Department of Biology "The beauty of cell division in C. elegans", Las Cruces, New Mexico (11/9/2010).
- SDB Meeting, invited speaker-cell polarity: "Role of dynamin in cytokinesis and cell asymmetry", Albuquerque, NM (08/2010).
- University of Colorado-Boulder, Dept. of Molecular, Cell and Developmental Biology. "The beauty of cell division", Boulder, CO (4/1/2010).
- New Mexico State University, Department of Biology, "The beauty of cell division", Las Cruces, NM (10/21/2009).
- Exciting Biologies: Biology in Balance Meeting, Sponsored by Cell, "Role of Dynamin in cell asymmetry", Buenos Aires, Argentina (10/9/2009).
- Gordon Research Conference: Motile & Contractile Systems, "Role of Dynamin in cell asymmetry", New London, NH (7/13/2009).
- University of Utah, Dept. of Biology, "Role of dynamin in cell asymmetry", Salt Lake City, UT (10/12/2008).
- New York University, Dept. of Biology & Dev. Genetics of the NYU Sackler Institute, "Role of Dynamin in cell asymmetry", NYC (8/12/2008).
- Bascom Hill Society Showcase Lecture, UW-Madison, "The beauty of cell division", Madison, WI (7/22/2008).
- University of California-Santa Cruz, Molecular Cell & Developmental Biology, "The beauty of cell division", Santa Cruz, CA (5/5/2008).
- Visualizing Science Meeting, UW Madison, "The beauty of cell division", Madison, WI (2/8/2008).
- Mechanics and Control of Cytokinesis, "The beauty of cell division: the midbody proteome", Edinburgh, UK (1/11/2008).
- Hong Kong University of Science and Technology, "The beauty of cell division: the midbody proteome", Hong Kong, China (5/30/2007).
- Peking University, Beijing, China, School of Life Sciences, "The beauty of cell division: the midbody proteome", Beijing, China (5/22/2007).
- National Institute of Biological Sciences (NIBS), "The beauty of cell division: the midbody proteome", Beijing, China, (5/21/2007).
- SACNAS meeting, Molecular Motors and Cellular Movements, "The beauty of cell division: the midbody proteome", Tampa, FL (10/2006).
- Vanderbilt University, Dept of Biochemistry, "The beauty of cell division: the midbody proteome", Nashville, Tennessee (09/2006).
- University of Wisconsin-Whitewater, Dept. of Biology, "The beauty of cell division: the midbody proteome", Whitewater, WI (03/24/2006).
- RIKEN Center for Developmental Biology, "The beauty of cell division: the midbody proteome", Kobe, Japan (10/2005).
- Japanese Biochemical Society, invited symposium speaker, "The beauty of cell division: the midbody proteome", Kobe, Japan (10/2005).
- Queens College, Dept. of Biology, "The beauty of cell division: the midbody proteome", Flushing, NY (09/2005).
- ASCB Meeting, Cytokinesis Mini-symposia, speaker, "Midbody Proteome", San Francisco, CA (12/2002).
- West Coast Worm Meeting, Genomics Session, "Midbody Proteome", UCSD, San Diego, CA (06/2002).
- BARC (Bay Area Research on the Cytoskeleton), "Midbody Proteome", UCSF, San Francisco, CA (01/2001).
- Midwest Worm Meeting, University of Minnesota, speaker, Minneapolis, MN (07/2000).
- ASCB Meeting, Cytokinesis Subgroup Meeting, speaker, San Francisco, CA (12/1999).
- International C. elegans Meeting, Meiosis, Mitosis and Cell Division Session, speaker, UCLA (06/1999).
- ASCB Meeting, Cytoskeleton in Polarity and Development Mini-symposia, speaker, Washington, DC (12/1998).
- Midwest C. elegans Meeting, University of Chicago, speaker, Chicago, IL (06/1998).
- ASCB Meeting, Dynein/Dynactin subgroup meeting, speaker, Washington, DC (12/1997).

Educational Activities: Talks and Posters

- Oak Hills High School talk: "Too creative for science?" (Cincinnati, OH) 3/26/25
- Highland High school AP bio visit (Fort Thomas, KY), 3/25/25
- Woodfill Elementary visit (Fort Thomas, KY), 3/25/25
- Johnson Elementary Visit (Fort Thomas, KY), 3/24/25
- Wednesday night at the Lab, "The curious story of the midbody" (5/10/23)
- Hartford High School, "Too creative for science?" (2/15/23)
- Gen 522: "Slide Evolution", invited by Dr. Nicole Perna (10/26/22, 4/4/23, 11/7/23)
- Gen 522: "Slide Evolution", invited by Dr. Chris Hittinger (3/22/22)
- ASCB online Workshop, "Creating Inclusive Learning Environments" (3/9/22)
- McMillan Podcast: (1/19/22)
- Deeper Dive Podcast: (1/18/22)
- Western Washington State Biology 487 Course speaker, Dr. Lina Dahlberg (host) (05/15/2020).
- RERIC, Wisconsin Rural Teachers Conference, "Creative Inclusive Learning Environments", keynote, Madison, WI (11/15/2019).
- HHMI Teaching Fellow Faculty Mentor, mentored Benjamin Minkoff and Sarah Neuman (Fall-attended course with students, Spring students teach with me) (2014-15).
- Delta Program, Instructional Materials Development course, UW Madison, taken with Genetics Ph.D. student David Berry (2009).

Educational Activities: Science Education

- HHMI Teaching Fellow Faculty Mentor, mentored Benjamin Minkoff and Sarah Neuman (2014-15).
- Delta Program, Instructional Materials Development course, UW Madison, taken with Genetics Ph.D. student David Berry (2009).

Educational Activities: Workshops

- John Carroll University, Scholarship Class Speaker, Host: Dean Mike Martin (11/28/2022)
- NSF Advance Luncheon Speaker, University of Washington, Seattle. Host: Joyce Yen (10/16/22)
- SACNAS webinar: "Broader impacts: The art and science of "Genetic Reflections" (5/5/2021)
- ASCB, Workshop speaker on "Organizing Inclusive & Effective Science Outreach" (12/04/2020).
- Inclusive SciComm, SACNAS conference (10/31/2019).
- Native Perspectives in Genomics, SACNAS conference (11/1/2019).
- National Academy of Sciences, Sackler Colloquium, "The science of science communication III", "Incentives for Scientists and Engineers to Communicate about their Research", Washington, DC. (11/17/2017).
- UW-Madison Biochemistry Dept., Workshop on Science Communication, Madison, WI (10/4/2017).
- Bioquest/Qubes 2017 Summer Workshop, "Creative Inclusive Learning Environments", keynote, Lansing, MI (07/25/2017).
- The 21st International C. elegans Meeting, "Active learning in genomics", poster, UCLA, Los Angeles, CA (06/25/2017).
- UW-Madison Advising conference, Keynote Speaker, "Creating Inclusive Learning Environments", Madison, WI (03/1/2017).
- ASCB Meeting, Teaching Workshop, "No lectures here: How an active and problem-based learning classroom in genomics transformed the confidence, creativity and communication skills of all students", San Francisco, CA (12/3/2016).
- iBiology Google Hangout, "Getting the most out of a conference", Webinar (7/21/2016).
- UW-Madison Teaching and Learning Symposium invited speaker, "No Lectures Here: How an active and problem-based learning classroom in genomics transformed the confidence creativity and communication skills of all students", Madison, WI (5/20/2015).
- SACNAS meeting, 2011, "Value of Doing a postdoc" & "NSF Broader Impacts", San Jose, CA (10/2011).
- ASCB meeting, poster presentation on teaching, (faculty, postdocs, graduate students), San Francisco, CA (12/2010).
- NSF Career Awardees Meeting, invited teaching presentation, (faculty, government), Washington, DC (06/2010).
- NIH Postdoctoral Mentoring Meeting, invited panel speaker (postdocs), Washington, DC (3/11/2010).

Educational Activities: Mentoring (Postdocs & Senior Scientists)

- Dr. Randall D. Dahn, senior scientist. Working on the midbody RNP granule (2017-2021)
- Dr. Sungjin Park, postdoc. Working on the midbody RNP granule (2018-20). Current: Aussie Suzuki's Lab: Senior Scientist
- Dr. Yuji Nakayama, postdoc, Worked on the role of DYN-1 in cell polarity; Current: Full Professor at Kyoto Pharmaceutical University (2006-08).

Educational Activities: Mentoring (Graduate Students)

Mentor to 11 graduate students, 2 URM

- Dantong Liily Zhu, Ph.D student in CMB, Thesis: "The role of MBRs in neuronal development" (joint mentor with Justin Wolter)
- *Dr. Megan Gnazzo, Ph.D. student in Genetics: Thesis title: "The role of ATX-2 in cell division in C. elegans".
 - Current position: Biotech, Boston, MA Publications: 3 published (1 in preparation) (2011-17).
- *Dr. Jennifer Gilbert, Ph.D. student in Genetics, Midbody transcriptome.
 - Current position: student in Barak Blum's Lab Publications: (1 in preparation) (2016-17).
- Kathryn VandenHeuvel, M.S. in Genetics, MS project: Midbody Transcriptome.
 - Current position: business Publications: (1 in preparation) (2015-16).
- Angela Johnson, MFA (art student in the lab), MA show title: "Translation" Installed on 2nd floor of UW-Genetics Dept.,
 - Current position: scientific artist and Jame Waltrous Gallery curator Art shows: 2 (2014-16).
- Dr. Kelly Pittman, Ph.D., received Ph.D. in CMB (lab of Laura Knoll): The role of PAR proteins in cell division.
 - Current position: postdoc at Duke in Dennis Ko's lab Publications: 1 (2009-11).
- Dr. Mary Kate Bonner, Ph.D. student in Genetics, Thesis title: "The metaphase spindle proteome".
 - Current position: postdoc at NIH in Alex Kelley's lab Publications: 3 (2006-13).
- Dr. Jessica Shivas, Ph.D. student in Genetics, Thesis title: "The role of dynamin in cell polarity in C. elegans".
 - Current position: Confocal application specialist at Leica Microsystems Publications: 3 (2006-12).
- Dr. Erkan Ai, Ph.D., student in Genetics, Thesis title: "The role of RACK-1 in cytokinesis in C. elegans".
 - Current position: Associate Attorney at Hogan Lovells in Philadelphia, PA; Publications: 3 (2004-10).
- Arun Kumaran, M.S., Masters in Biotechnology, Project Assistant: "Midbody proteomic database" (2005).
- Leonard George, M.S., Masters in Biotechnology, Project Assistant: "Midbody proteome analysis".
 - Current position: CEO Cquensys in Madison, WI (2004-05).
- Dr. Justin Schleede, received his Ph.D. in Genetics (lab of Seth Blair), Dynamin in cell polarity.
 - Current position: Technical Director at LabCorp, Clinical Cytogeneticist Publications: 1 (2004-2006).

Educational Activities: Mentoring (Undergraduate Students)

Mentor to 48 undergraduates, 18 URM

- Hans Moll, undergraduate lab assistant (2025-present)
- Hannah Pisarski, work study student (2024-present)
- *Citizen Milton, work study student (2023-present)
- Ada Krasinsky, undergrad lab assistant (2023-present)
- Courtney Youngchild, undergrad lab assistant (2023-2024)
- Alina McIntyre, undergrad lab assistant (2022-2025)
- *Ashley-Grace Dureke, work study student (2021-2023)
- Gabrielle Whisler, science art student collaboration with Jan Huisken's lab (2021)
- Elif Kurt, lab assistant, Publications: 3 (2018-2021).
- Caitlin Marks, lab assistant, Publications: 1 (2018-19).
- *Kai Fowlkes, Undergrad lab assistant, POSSE student (2018).
- Celia Glime, undergraduate lab assistant & artist, working with Angela Johnson on NSF broader impacts project (2017).
- *Andrew Geng, undergrad work study student & lab assistant (2017-18).
- *Alex Villarreal, undergrad work study student, POSSE student, Publications: 3 (2013-17).
- *Izaiah Clinton, work study student (2016).
- *Nahin Cano, lab assistant (2016).
- *Idanis Sanchez, REU, summer research, from University of Puerto Rico-Ponce (2016).
- Anna-Lisa Doebley, undergraduate research collaborator with Shawn Ahmed (UNC); Publications: 1 (2015).
- Amanda Dlugi, REU, summer research, from Alverno College (2015).
- *Olushola Kemi Olukoga, undergrad work study students, Publications: 1 (in process) (2015-16).
- *Elisa Sanchez, REU, summer research, from NMSU (2014).
- *Prencia Gant, REU, summer research, from Grambling State Univ. (2014).
- *Amy Ochola, undergrad work study student, POSSE student (2013-15).
- Mikayla Simons, Undergrad student, 152 student (2013-16).
- Josh Bartlett, undergraduate student hourly (2012-14).
- *Florencia Visconti, REU summer research, from NMSU (2012).
- *Farinoosh Dadrass, undergraduate student hourly (2012-13).
- Chris Hutson, undergraduate student hourly (2011-12).
- Chanel Matsunami Govreau, undergraduate performance art student collaborator (Guggenheim Fellow) (2011).
- Yamini Karandikar, undergraduate research assistant (2011).
- *Eddie Dominguez, REU summer research, from New Mexico State University, Publications: 1 (2011).
- *Clayton Gorman, REU summer research, from New Mexico State University (2010).
- Curtis Bartosz, undergraduate research and student hourly (2009-10).
- *Kristin Waukau, REU summer minority undergraduate research, from the College of the Menominee Nation, Keshena, WI (2009).
- *Candice Teschner, undergraduate student hourly (2009).
- Melissa Li, undergraduate research assistant (2008-11).
- A.J. Becker, undergraduate student hourly (2008-10).
- Ryan Ruf, undergraduate research and student hourly (2007-09).

- *Brittney Bailey, undergraduate student hourly (2007-09).
- Bo Hwa Han, undergraduate research on cytokinesis and student hourly, Publications: 1 (2007-08).
- Jen Kulkoski, undergraduate research on cell polarity and Biology 152 student, Publications: 1 (2006-08).
- Thomas Dietz, undergraduate research on RACK-1 and cytokinesis, Biology 152 student (2006-07).
- Amanda Amodeo, undergraduate research on DYN-1 in cytokinesis, Assistant Professor at Dartmouth College (2005-08).
- Megan Missaggia, undergraduate research on cytokinesis and student hourly (2005-07).
- Yunsik Kang, undergraduate research on DYN-1 in cytokinesis, postdoc at OHSU in the lab of Marc Freeman (2005-06).
- Christie Maier, undergraduate research on RACK-1 in cytokinesis (2005-06).
- Amy Thurber, from Kenyon College, summer undergraduate research (2005).

Educational Activities: Mentoring (High School Students; Summer)

Mentor to 5 high school students, 2 URM

- Anna Granieroo, Middleton High School, (2017).
- Maddie Pritzl, Sun Prairie High School (2014).
- *Randi Schuman, PEOPLE program, summer minority high school student, from Lac du Flambeau, WI (2009).
- *Jasmine Staples, summer minority high school student volunteer, from Philadelphia, PA (2009).
- Amanda Savagian, summer high school student volunteer (2008).

Educational Activities: Mentoring (Lab Managers/Technicians/Research Interns)

Mentor to 5 lab managers, 1 URM

- Elizabeth Torr, lab manager/Research specialist I (2024-present)
- Maggie Forrestal, technician (2004-05)
- Daniel Poole, lab manager (2005-12)
- Lan Qin, research associate (2013-14)
- Amanda Hulfachor, research associate (2014-15)
- Eva Uhlemann, research associate (2014-15)
- *Edwin Suarez-Zayas (2021-22)
- Smit Patel, research intern (2021-23)
- Elizabeth Torr, research specialist (2022-present)
- Lily Dantong Zhu (2023-present)
- Sophie Lusty (2024-present)

Educational Activities: Mentoring (Thesis Committees)

Mentor to 41 graduate students, 14 URM

- *Sofia Romero Ferruffino (CMB, Sherer Lab) (2018-2024)
- *Raisa Nunez (Genetics) (2019-2021)
- *Justin Billy (CMB, Kalejta Lab) (2022-2024)
- Eamon Winden (Genetics, Schwartz Lab) (2016-2024)
- Ben Hall (Genetics, Donohue Lab) (2019-2024)
- Angel Banuelos (Genetics, Grinblat Lab) (2022-2023)
- Angela Kita (CMB; Bement Lab) (2013).
- Sydney Lesko (CMB: Sherer Lab) (2020).
- Lori Scardino (CMB; Sondel Lab) (2012).
- Randee Young (Genetics: Sun Lab) (2016+).
- Sihui Yang (CMB: Wildonger Lab) (2015-20).
- *Jaime Cordova (Genetics: Perna Lab) (2018+).
- Erica Macke (Genetics: Ikeda Lab) (2015-2018).
- Annette Dean (Genetics: Taylor Lab) (2016-20).
- *Ariel Cyrus (Genetics: Grinblat Lab) (2014-16).
- *Elaine Welch (Genetics; Pelegri Lab) (2012-17).
- *Andrew Hasley (Genetics: Pelegri Lab) (2011-16).
- Bharti Solanki (Genetics; Pelegri Lab) (2009-14).
- Lori O'Brien (Biochemistry; Weise Lab) (2008-13).
- April Peterson (Genetics: Payseur Lab) (2020-21).
- *Nicholas Santistevan (Genetics: Grinblat Lab) (2018+).
- *Kassi Krocker (Genetics: Boekhoff-Falk Lab) (2017-19).
- Sarang Brahma (MCP; Burkhard Lab)(Masters) (2014-15).
- Steven Nolan (Life Sciences Communication: Reaves) (Masters) (2015).
- *Scott Bosley (MCP: Suzuki Lab) (Left with as Masters due to COVID) (2020).
- Thomas Lenz (CMB; Loeb Lab) (2011-16).
- Tim Loveless (CMB; Hardin Lab) (2011).
- Natalya Morsci (CMB; Barr Lab) (2012-14).
- *Raisa Nunez (Genetics: Brow Lab) (2019+).
- Ben Hall (Genetics: Donohue Lab) (2019+).
- Xiaoyan Ge (Genetics; Pelegri Lab) (2011).
- *Renee Engle (Genetics; Barr Lab) (2005-10).
- *Anji Trujillo (Chemistry: Coon Lab) (2017+).
- Allison Lynch (Genetics; Hardin Lab) (2011-15).
- Eamon Winden (Genetics: Schwartz Lab) (2016-2023).
- Celeste Eno (Genetics: Pelegri Lab) (2012-16).
- Aaron Lomax (Genetics; Vierstra Lab) (2013-17).
- Christina Scribano (MCP: Weaver Lab) (2016-20).
- Haining Zhang (Genetics; White Lab) (2006-11).
- Stacey Kigar (Pharmacology; Bement Lab) (2012).
- *Andy Madrid (Neuroscience: Alisch Lab) (2016-21).
- *Ed Suarez-Zayas (Neuroscience: Gomez Lab) (2016+).
- Robb Stankey (Genetics; Vierstra Lab) (2014-16).
- Marcus Miller (Genetics; Vierstra Lab) (2012-15).
- Caitlin Short (Neuroscience: Gomez Lab) (2016-20).
- Yunsik Kang (Genetics: Bashirullah Lab) (2012-16).

Service Activities: Departmental

- Undergraduate Curriculum Committee (co-Chair), 2024-Present
- Postdoctoral Committee (co-Chair), 2023-present
- Communications Committee 2020-Present
- Diversity Affairs Committee (Chair), 2008-2020
- Undergraduate Advisor, 2004-2015
- Confocal Facility Manager, 2008-2012
- 2010 Centennial Committee, 2008-2010
- Undergraduate Curriculum Committee, 2007-2015, 2019-Present
- Admissions Committee, 2005-2017
- Prelim Committee, 2004-2006

Service Activities: Historically underrepresented recruitment & retention

- SACNAS chapter advisor, 2014-2024
- BioHouse Speaker, 9/26/2017
- Faculty-Student Mentoring Program, 2017-2020
- WISE Learning Community, Keynote Speaker, 10/25/2016
- POSSE student visits to labs during SOAR, 2013-2014
- New Mexico State University Recruitment visits with the MARC program with Dean Dorothy Sanchez, 2009-2015
- Historically underrepresented student recruitment, SACNAS, AISES, ABRCMS, 2004-2020
- AISES chapter advisor, 2007-2008
- Menominee High School Lab visits, 2005-2007

Service Activities: Campus

- *Diversity Liaisons Project (DLP): Provost for Diversity Office; contributed to the establishment of this program with the Provost (2019-22).
- *UW-Madison, Provost's Committee on Faculty Diversity (2018-19).

- *UW-Madison, Campus-wide Diversity & Climate Committee (2017-20).
- UW-Madison, Sophomore Research Fellowships Committee (2017).
- *STEM diversity network Twitter: @uwstemdiversity curator (2015+).
- *STEM diversity network: Established and built website for campus community, <http://stemdiversity.wisc.edu> (2015+).
- *Chair of CALS Equity and Diversity Committee (2014-16).
- UW-Madison Arts Institute, (Executive Committee) (2015+).
- *CALS Equity and Diversity Committee member (2012-16).
- CALS Curriculum Committee (2013-14).
- *STEM Posse Advisory Board, member (2011-15).
- *Bouchet Society Section Committee (2010-15).
- *SciMed GRS (Science and Medicine Graduate Research Scholars) Faculty Advisory Committee (2008-19).
- *CALS Undergraduate Recruitment and Retention Committee (2008).
- Wisconsin Institute of Discovery: Creating Collisions between Humanities, Arts and Sciences Committee (2008-09).
- Eye Research Institute, Education Committee (2008-09).
- MicroExplorers, outreach, team member (2007-12).
- Graduate Program in Cellular and Molecular Biology (CMB) alumni relations (Chair) (2007-09).
- CALS trip to China with Chancellor Wiley, Met with campus leaders throughout China (2007).
- CALS Study Abroad Committee (2006-08).
- Molecular Biology Major Advisory Committee and undergrad advisor (2006-16).

Service Activities: National & State

- *HHMI Driving Change selection committee (2022)
- *CZI Diversity program, selection committee (2022-2024)
- *NIH Diversity Program Consortium Oversight Committee (2018-21).
- NIH Study Section Reviewer, NIGMS NCSD study section, permanent member (2014-18).
- *ASCB Minority Affairs Committee (elected) (2017-20).
- Wisconsin Science Museum, Board member & branding/logo design <https://wisconsinmuseum.org> (2016+).
- *SACNAS, National Nominations Committee (2016-18).
- *SACNAS, National Newsletter Committee (2014-16).
- Science Policy Trip on behalf of the Genetics Society of America (GSA) with Washington, D.C. policy makers about NSF research, poster about science and art <http://genestogenomes.org/c-elegans-cell-division-art-helps-policy-makers-see-nsf/> (4/2016).
- NOVA Education Advisory Board (2015-17).
- *SACNAS, National Board Member Elect (2014-16).
- Women in Cell Biology Committee Career Discussion and Mentoring Roundtables (2010-16).
- NSF Study Section Reviewer, Cell division and Cytokinesis (MCB) (2010).
- *Wisconsin Task Force on Arts and Creativity in Education, statewide task force member (<http://www.creative.wisconsin.gov/>) (2008-09).
- Wisconsin Region National Science Competition for High School Students, invited keynote speaker (2008).

Service Activities: Journal Reviewer

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| <ul style="list-style-type: none"> • <i>Science</i> • <i>Nature</i> • <i>Nature Cell Biology</i> • <i>PNAS</i> • <i>Genesis</i> • <i>Current Biology</i> • <i>Developmental Cell</i> • <i>Nature Cell Biology</i> • <i>Molecular Biology of the Cell (MBoC)</i> • <i>Briefings in Functional Genomics and Proteomics</i> • <i>Current Opinion in Cell Biology</i> <i>European Journal of Cell Biology (EJCB)</i> | <ul style="list-style-type: none"> • <i>PLoS One</i> • <i>PlosBiology</i> • <i>PlosGenetics</i> • <i>PLoS Genetics</i> • <i>Genes & Development</i> • <i>Frontiers in Cell Biology</i> • <i>Journal of Cell Science (JCS)</i> • <i>Journal of Cell Biology (JCB)</i> • <i>Development</i> |
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Service Activities: Editor Positions

- *Molecular Biology of the Cell (MBoC)*: Associate Editor (Jan 1st, 2020+).

Service Activities: International Meeting Organization

Head organizer of 6 International meetings, Session chair of 4 mini-symposiums

- Organizer, International *C. elegans* meeting, Glasgow, Scotland, (June 23rd-28th, 2023)
- Head Organizer-Midwest SDB meeting, Madison, WI (Nov 11-13th, 2022), Raised over \$45,000 in sponsorship money!
- Organizing Committee- International *C. elegans* Development Meeting, Madison (2022).
- Organizing Committee-21st International *C. elegans* Meeting, UCLA (2019).
- Organizing Committee-*C. elegans* Development, Cell biology & Gene Expression, Barcelona, Spain (2018).
- Organizing Committee-20th International *C. elegans* Meeting, UCLA (2017).
- Local Organizer-*C. elegans* Topic Meeting: Aging & Stress (2016).
- Organizing Committee-20th International *C. elegans* Meeting, UCLA (2015).
- ASCB Meeting, "The mechanics of cell division", session chair, Philadelphia, PA (2014).
- Head Co-organizer-4th biennial *C. elegans* Topic Meeting: Development, Nara, Japan (2014).
- Organizing Committee-19th International *C. elegans* Meeting, UCLA (2013).
- Head Organizer-3rd biennial *C. elegans* Topic Meeting: Development (2012).
- Organizing Committee-18th International *C. elegans* Meeting, UCLA (2011).
- Local Organizer-3rd biennial *C. elegans* Topic Meeting: Neurobiology (2010).
- Head Organizer-2nd biennial *C. elegans* Topic Meeting: Development & Evolution (2008).
- Local Organizer-2nd biennial *C. elegans* Topic Meeting: Neurobiology (2008).
- Local Organizer-2nd biennial *C. elegans* Topic Meeting: Aging & Stress (2008).
- Head Organizer-1st biennial *C. elegans* Topic Meeting: Development & Evolution (2006).
- Head Organizer-1st biennial *C. elegans* Topic Meeting: Neurobiology (2006).
- 15th biennial International *C. elegans* Conference, Cell Biology, Plenary session co-chair (2005).
- ASCB Meeting, Cytokinesis and Cellularization Mini-symposium, invited co-chair (2004).
- ASCB Meeting, Mechanisms of Cytokinesis in Diverse Organisms, session chair and organizer (2000).

Outreach Activities (Below are Highlighted Efforts)

See also Invited Keynote talks on science and art

- Girl scouts of Wisconsin (Badgerland) virtual workshop on the "Genetic Reflections: A coloring book" (11/08/2020).
- "Genetic Reflections, A coloring Book", a companion book to our science art piece. Authors: Skop, Kurt & Marks (10/06/2020).
- "Genetic Reflections", 40ft science art piece installed in the UW-Madison Biotech Center, NSF funded (2018).
- Science Policy Trip on behalf of the Genetics Society of America (GSA) with Washington, D.C. policy makers about NSF research, poster about science and broader impacts: <http://genestogenomes.org/c-elegans-cell-division-art-helps-policy-makers-see-nsf/> (4/2016).
- "Cool Science Images" digital scientific art show at UW-Madison, part of *The Why Files*, curatorial committee (2012-17).
- Scientific art show at the Ebling Library, curatorial committee (3/2011).

- "Science & Art" traveling scientific art show, by the Science Museum of Minnesota for the Arkansas Discovery Network, consultant, NSF funded (http://www.arkansasdiscoverynetwork.org/rent_science_and_art/) (2009+).
- "Tiny: Art From Microscopes at UW-Madison" scientific art show at the Dane County Regional Airport, curatorial committee (2009).
- Art show at College of Saint Benedict, St. Joseph, MN, artist (5/2008).
- Southern Graphics Council collaboration with Jonas Angelet, art work inspired by cell division (2006).
- "Dynamic Elements"-a multi-media concert by Mark Hetzler and Katrin Talbot, consultant, C. elegans movies were used (2006).
- International C. elegans Art Show founder and organizer, at the biennial International C. elegans Meeting <http://genestogenomes.org/twenty-years-of-the-worm-art-show/> (1997+).
- Logo design for the biennial International C. elegans Meeting abstract book and website (1997-18).

Press: International

Bolded articles have nice overviews of various projects

- "These tiny worms account for at least 4 Nobel Prizes", NYTimes, October 17th, 2024, <https://www.nytimes.com/2024/10/17/science/nobel-prizes-caenorhabditis-elegans.html>. (NYTimes mentions my Worm Art Show)
- "IF/THEN Ambassadors Reach Million of Girls..." Front page of AAAS.org, December 16th, 2021, <https://www.aaas.org/news/ifthenr-ambassadors-reach-millions-girls-sharing-scientists-human-side-and-wonders-science> (12/16/2021)
- Meet the STEM superstars, BRAVA Magazine, November 4th, 2019, <https://bravamagazine.com/stem-superstars-madison/> (11/04/2019).
- Make STEM Education More Welcoming to Underrepresented Minorities, The Scientist, June 1st, 2019, <https://www.thescientist.com/careers/making-stem-education-more-welcoming-to-underrepresented-minorities-65910> (06/01/2019).
- "Worm Art at #Worm17", Genes to Genomes, Genetics Society of America blog, <http://genestogenomes.org/worm-art-at-worm17/> (7/12/2017).
- "#Worm17 Love", Genes to Genomes, Genetics Society of America blog, <http://genestogenomes.org/worm17-love/> (6/26/2017).
- "Twenty years of the Worm Art Show", Genes to Genomes, Genetics Society of America blog, <http://genestogenomes.org/twenty-yearsof-the-worm-art-show/> (Highlight about how the worm art show started) (4/28/2017).
- "New online network emphasizes diversity, supports STEM, WisBusiness.com, <http://www.wisbusiness.com/index.html?Article=386310> (4/12/2017).
- "UW-Madison launches resource hub for STEM diversity, Campus Technology, <https://campustechnology.com/articles/2017/04/11/uwmadison-launches-resource-hub-for-stem-diversity.aspx> (4/11/2017).
- "UW-Madison launches STEM Diversity Network", Wisconsin State Journal, http://host.madison.com/wsj/news/local/education/university/uw-madison-launches-stem-diversity-network/article_86999adee7df-5e6b-b394-822df55223f8.html (4/10/2017).
- "UW-Madison launches STEM Diversity Network", UW-Madison campus news, <http://news.wisc.edu/uw-madison-launches-stemdiversity-network/> (4/10/2017).
- "Translation Art Show", Angela Johnson's MFA work, YouTube Video, <https://youtu.be/lcW71YmUOhY> 4/2015
- "One man's trash...", The Scientist, Dec. 1st, 2013, <https://www.the-scientist.com/features/one-mans-trash-3834> (12/1/2013).
- "Intriguing Art from the University of Wisconsin-Madison", Smithsonianmag.com, <http://www.smithsonianmag.com/sciencenature/intriguing-science-art-from-the-university-of-wisconsin-26859088/> (4/19/2013).
- Press Release "Forward under 40 awards honor 12 young UW-Madison alumni" <http://www.news.wisc.edu/17749> (4/2010).
- "Ahna Skop: In Search of the Midbody", Apple.com, highlight of my work (2009).
- "Tiny World, Big Art in Madison" on Art Beat blog <http://www.pbs.org/newshour/art/tiny-world-big-art-in-madison/> (8/2009).
- "Teeny Tiny Art" by Claire O'Neill on The Picture Show http://www.npr.org/sections/pictureshow/2009/05/teeny_tiny_art.html (5/2009).
- "Seeing Things" by April Fulton on Shots: NPR's Health Blog http://www.npr.org/sections/health-shots/2009/05/seeing_things.html (5/2009).
- "Tiny art goes on display in Madison airport", USAtoday.com http://www.usatoday.com/travel/flights/2009-04-20-madison-airportart_N.htm (4/2009).
- "Art of the very, very small to debut at Dane County Airport" by Terry Devitt, UW-Madison news. <http://www.news.wisc.edu/16566> (4/2009).
- "Macroscopic" in News & Notes in On Wisconsin http://onwisconsin.uwalumni.com/on_campus/macroscopic/ (2009).
- "Balancing Life and Science" by Jennifer Evans in The Scientist <http://www.the-scientist.com/?articles.view/articleNo/27031/title/Balancing-Life-and-Science/> (1/2009).
- "A scientist trapped in an artist's body" by Margaret Guthrie in The Scientist <http://www.the-scientist.com/?articles.view/articleNo/26737/title/A-scientist-trapped-in-an-artist-s-body/> (9/2008).
- "Alumna Profile: Ahna Skop, Ph.D. '94" in the BIO@SU newsletter from the Department of Biology at Syracuse University (7/2008).
- "With cell as muse, art fuels scientist's quest" by Terry Devitt, UW-Madison News <http://www.news.wisc.edu/15115> (4/2008).
- "CSB commencement set for May 10" http://www.csbsju.edu/news/csb_commencement08.htm (4/2008).
- Remarkable Women in Science, AAAS http://sciencecareers.sciencemag.org/tools_tips/outreach/loreal_wis/l_oreal_women_in_science_booklet (2/2008).
- "Following the Image" by Anne Sasso in Science Careers online, a career profile http://sciencecareers.sciencemag.org/career_magazine/previous_issues/articles/2008_01_18/credit.a0800010 (1/2008).
- "Emerging Scholars: Class of 2008" in Diverse: Issues In Higher Education <http://diverseeducation.com/article/10483> (1/2008).
- "Beginning Scientists Receive Presidential Awards" http://www.nsf.gov/news/news_summ.jsp?cntn_id=110588 (2007).
- "Two UW research scientists honored" by Heather LaRoi in the Wisconsin State Journal http://host.madison.com/news/local/article_194012c3-4b0f-5644-9c3a-cd3191b405c4.html (11/1/2007).
- "Got MudPIT?" by James Netterwald in Drug Discovery & Development <http://www.dddmag.com/MudPIT-combines-LC-and-MS.aspx> (1/2007).
- "Proteomics power to the people!" by John Yates III in The Scientist <http://www.the-scientist.com/?articles.view/articleNo/16195/title/Proteomics-Power-to-the-People-/> (1/2005).
- "Cytokinesis: A good place to start" by Arianne Heinrichs in Nature Reviews Molecular Cell Biology <http://www.nature.com/nrm/journal/v5/n7/full/nrm1440.html> (7/2004).
- "How to Get the Hang of Proteomics as a Cell Biologist" in ProteoMonitor <http://www.genomeweb.com/proteomics/ahna-skop-how-gethang-proteomics-cell-biologist> (7/2004).
- "UW-Madison Scientists Find A Key To Cell Division" in Science Daily <http://www.sciencedaily.com/releases/2004/05/040527234509.htm> (5/2004).

References

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