

Jaye C. Gardiner, Ph.D.

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Emerald Foundation Black In Cancer Fellow
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EDUCATION

Formal Education

Doctor of Philosophy

May 2017

University of Wisconsin-Madison *Madison, WI*
Department of Oncology and the Institute for Molecular Virology
Laboratory of Dr. Nathan M. Sherer

Dissertation: Pushing the Envelope: How HIV Regulates Dual Roles for Viral ENV Glycoproteins in Cell-Cell Adhesion and Membrane Fusion

Bachelor of Arts

May

2011
Macalester College *Saint Paul, MN*
Major: Biology
Minors: Chemistry, Linguistics, and Japanese [audited]

Supplemental Coursework & Certification

Chromatin, Epigenetics, and Gene Expression

Jul 25 - Aug 14 2022

Cold Spring Harbor Laboratory *Long Island, NY*

RESEARCH EXPERIENCE

Postdoctoral Research

Postdoctoral Research Associate, Laboratory of Dr. Edna Cukierman
Fox Chase Cancer Center, *Philadelphia, PA*
Cell Signaling and Epigenetics

Aug 2017 – Present

My postdoctoral studies work to understand how fibroblasts communicate within the pancreatic cancer tumor microenvironment via the pathological expression of the neuronal protein Netrin G1 and the complex signaling cascades surrounding it (*manuscript in preparation*).

Graduate Research

Graduate Research Assistant, Laboratory of Dr. Nathan Sherer
University of Wisconsin, *Madison, WI*
McArdle Laboratory for Cancer Research and the Institute for Molecular Virology

Dec 2011 – Jul 2017

For my doctoral work, I developed a two-color, long term, live cell imaging platform to visualize virus-induced cell-cell contacts and used this platform to study how human immunodeficiency virus (HIV-1) assembles there. With this system, I elucidated that the viral Env and Gag proteins were necessary for HIV localized assembly and additionally were responsible for modifying the infected cell's interaction with its surrounding environment.

Undergraduate Research

Undergraduate Research Assistant, Laboratory of Dr. Lisa Peterson
University of Minnesota, *Minneapolis, MN*

Jun 2009 – Aug 2010

Carcinogenesis and Chemoprevention

The goal of my project was to determine whether there were differences between genotypic variants of a DNA repair protein, O⁶-alkylguanine DNA alkyltransferase (AGT), in repairing alkylated DNA. These adducts arise from the metabolic activation of the tobacco specific nicotine-derived nitrosamine ketone (NNK) which if left unrepaired can lead to mutations in critical tumor suppressor or proto-oncogenes.

Research in Biochemistry Course, Professor Kathryn Splan
Macalester College, *Saint Paul, MN*

Jan – May 2010

In groups of two, my partner and I worked to determine the amino acid residues that provide metal ion specificity in the GoIS metal binding protein in *Salmonella*.

Human Physiology Laboratory Course, Professor Lin Aanonsen
Macalester College, *Saint Paul, MN*

Jan – May 2010

In groups of four, my team was tasked with determining the neurochemical changes of the L1 Cell Adhesion Molecule (L1CAM) in a chronic inflammatory mouse model.

FUNDING

Pending Funding

Maximizing Opportunities for Scientific and Academic Independent Careers (MOSAIC) Postdoctoral Career Transition award to Promote Diversity K99/R00 Award

2022 – 2027

Funding agency: National Institute of General Medical Sciences

Grant number: 1K99GM148819-01

Role: Principal investigator

Project Title: Elucidating the epigenetic regulation of extracellular matrix and virus-induced fibroblast activation

Impact score: 39

Postdoctoral Funding

Emerald Foundation, Inc. | Black In Cancer Postdoctoral Fellowship

2022 – 2025

Funding agency: Emerald Foundation, Inc.

Funding amount: \$230,000

Role: Principal investigator

Project Title: Investigating the role of Brg1-dependent epigenetic regulation on PDAC fibroblast pro-tumorigenic functions

American Cancer Society Postdoctoral Fellowship

2019 – 2022

PF-18-218-01-CSM

Funding agency: American Cancer Society

Funding amount: \$163,500

Role: Postdoctoral fellow

Project Title: Harnessing pancreatic cancer's stroma's tumor suppressive functions

NIH T32 Cancer Biology Postdoctoral Training Grant

2017 – 2019

Funding agency: National Cancer Institute

Grant Number: T32CA009035

Role: Postdoctoral fellow

Project Title: Determining a role for pancreatic cancer-associated fibroblasts homotypic cell-cell interactions in pancreatic cancer progression

Graduate Funding

Science and Medicine Graduate Research Scholars Advanced Opportunity Fellowship

2016 – 2017

Funding Agency: State of Wisconsin; Wisconsin Alumni Research Foundation (WARF)

Role: Predoctoral fellow

National Science Foundation Graduate Research Fellowship

2013 – 2016

Funding Agency: National Science Foundation

Funding amount: \$110,000

Role: Predoctoral fellow
Project Title: Retroviral exploitation of actin signaling during cell-cell transmission
DGE-1256259

Science and Medicine Graduate Research Scholars Advanced Opportunity Fellowship 2011 – 2012
Funding Agency: State of Wisconsin; Wisconsin Alumni Research Foundation (WARF)
Role: Predoctoral fellow

Undergraduate Funding

Louis Stokes North Star STEM Alliance Undergraduate Research Grant 2009
Funding Agency: National Science Foundation, Louis Stokes Alliance for Minority Participation (LSAMP) program
Funding amount: \$4,000
Role: Undergraduate fellow

Outreach Funding

AAAS IF/THEN She Can Change the World Grant 2020 – 2021
Funding Agency: Lyda Hill Philanthropies; AAAS
Funding amount: \$30,000
Role: Co-Investigator
Project Title: In Their Eyes: Building Scientific Knowledge, Environmental Stewardship, and Science Identity through Innovative STEAM Programming

Gaining STEAM! Crowdfunding Campaign 15 Feb – 17 Mar 2021
Funding Amount: \$12,804
Role: Co-Organizer
Project Title: Gaining STEAM! Illuminating Research Through Art - [link](#)

PUBLICATIONS

Peer-reviewed manuscripts

Raghavan, K.S., Francescone, R. Franco-Barraza, J. **Gardiner, J.C.**, Vendramini-Costa, D.B., Luong, T. Pourmani, N., Andren, A., Kurimchak, A., Ogier, C., Duncan, J.S., Lyssiottis, C.A., Languino, L.R., Cukierman, E. 2022. NetrinG1+ cancer-associated fibroblasts generate unique extracellular vesicles that support the survival of pancreatic cancer cells under nutritional stress. *Cancer Research Communications*.

Alexander, J.I., Vendramini-Costa, D.B., Francescone, R. Luong, T., Franco-Barraza, J., Shah N., **Gardiner, J.C.**, Nicolas, E., Raghavan, K.S., Cukierman, E. 2021. Palladin isoforms 3 and 4 regulate cancer-associated fibroblast pro-tumor functions in pancreatic ductal adenocarcinoma. *Sci Rep* doi:10.1038/s41598-021-82937-3

Jarvis, C.M., Zwick, D.B., Grim, J.C., Murshid Alam, M., Prost, L.R. **Gardiner, J.C.**, Park, S., Zimdars, L.L., Sherer, N.M., Kiessling, L.L. 2019. Antigen Structure Affects Cellular Routing Through DC-SIGN. *PNAS*. doi: 10.1073/pnas.1820165116

Watters, K.E., Inankur, B., **Gardiner, J.C.**, Warrick, J., Sherer, N.M., Yin, J. Palmenberg, A.C. 2017. Differential Disruption of Nucleoplasmic Trafficking by Rhinovirus 2A Proteases. *J Virol*. doi:10.1128/JVI.02472-16

Gardiner, J.C., Mauer, E.J., Sherer, N.M. 2016. HIV-1 Gag, Envelope, and Extracellular Determinants Cooperate to Regulate the Stability and Turnover of Virological Synapses. *J Virol*. doi:10.1128/JVI.00600-16

Manuscripts under review

Meaders, C.L., **Gardiner, J.C.**, Wynns, S., Nigam, S., Harris, J. 2022. A STEAM lesson plan diversifies middle school student conceptions of scientists. *Journal of Research in STEM Education*.

Book Chapters

Gardiner, J.C., Cukierman, E. 2022. Meaningful connections: Interrogating the role of physical fibroblast cell-cell communication in cancer. *Advances in Cancer Research*. Academic Press. Book Chapter. doi: 10.1016/bs.acr.2022.01.004

Gardiner, J.C., Raghavan, K., Alexander, J.I., Franco-Barraza, J., Cukierman, E. 2018 Fibroblastic Cell-Derived Extracellular Matrices: A cell Culturing System to Model Key Aspects of the Tumor Microenvironment. *Royal Society for Chemistry*. Book Chapter.

Books

JKX Comics, *Gaining STEAM!: Illuminating Research Through Art* (self-pub., Mixam Printing, 2021)

Editorials

JKX Comics (**Gardiner, J.C.**, Montgomery, K.M., Tran, K.A.). (2022, May 19). The power of comics and art as a vehicle for science. [Editorial] *BioTechniques*.

Ashad-Bishop, K. C., **Gardiner, J. C.**, Makins, K., Twum, D. (2020, October 13). Cancer Doesn't See Color, but the Pipeline Does [Editorial]. *Nature Research Cancer Community*.

INVITED TALKS

Speaker

First Star National STEAM Academy Tech Talk	28 July 2022
Stepping Stone Scholars Career Speaker	12 Jan 2022
Research Impact Summit 2021	2 Sep 2021
STEM-It-Yourself Series Title: "Not your average scientist"	22 May 2021
University of Houston-Downtown Diversity in STEM Scholar Series Title: "Not your average scientist"	30 Apr 2021
UW Carbone Community Advisory Board Title: "Making Science More Accessible"	10 Mar 2021
Houston Independent School District Lunch & Learn Series Title: "My Unfinished Career Path"	28 Jan 2021
Monterey Peninsula College STEAM 2.0 Online Event Title: "Why Choose? Navigating Identities as Scientists/Artists"	24 Nov 2020
University of Richmond Biology Department Scientist of Color Seminar Series, Title: "Embracing the unexpected: Drawing insights from cellular conversations and IDEAs for a better future"	2 Nov 2020
Philadelphia Young Professionals of the American Cancer Society, Nerd Nite Philly Title: "Discovering with the Unexpected"	3 Mar 2020

Panelist

Elementary STEM Con & Beyond, Illustration in STEM	9 Apr 2022
University of Houston-Downtown, Diversity in STEM Face to Face Panel	4 Mar 2022
Union of Concerned Scientists Conversations: Science as Art	22 Feb 2022
DaVinci Center Women in Science & Engineering (WISE) Forum	12 Oct 2021
STEM Noire 2021 Conference, Science Outreach and Representation	26 Jun 2021
ComSciConcepts - Combating COVID-19 within Black Communities	2 Jun 2021
Young Women in Bio - Southern California, Bio Influencers: Discover the Art in Science	14 Apr 2021
Penn Nursing Innovation Colloquium: Using Art and Comics for Better Health and Science Communication	7 Apr 2021

San Francisco State University Comics in the Classroom Discussion	23 Jan 2021
Girls in Science and Technology STEM Career Panel	14 Nov 2020
Wisc-e-Sota 8th Joint UMN-UW Virology Training Grant Symposium Career Development Panel	22 Oct 2020
University of Georgia Life Sciences Industry Day 2020 Virtual Conference	25 Sept 2020
University of Kentucky Careers in Science and Engineering	29 Aug 2020
STEMing while Black Part III: Women in STEM Edition	22 Aug 2020
STEMing while Black Part II: Lead by Example	18 Jul 2020
STEMing while Black Part I: You Asked, We Answered	27 Jun 2020

Moderator

In Their Eyes: Conservation + Comics Student Poster Session	3 Jun 2021
2020 Leading Edge Symposium, Cancer Biology Session	18 Aug 2020

Workshop Leader

Summer Cancer Research Institute Title: Communicating through science narratives	8 Jul 2022
ComSciCon-Michigan 2021 Title: "Art resources for science communication"	22 Aug 2021
American Association for the Advancement of Science Annual Meeting Title: "Building your professional network as a woman of color in STEM"	8 Feb 2021
Echo Rivera's Blast Off to Stellar Slides Guest Workshop Title: "Zines and comics in science communication"	20 Oct 2020
Gaining STEAM!: Illuminating Science through Art Title: "From science stories to comics"	22 Oct 2018

CONFERENCE PRESENTATIONS

Oral Presentations

2022 Leading Edge Symposium Title: "Bioinformatic analyses reveal a novel role of ANG-TEK signaling in PDAC cancer-associated fibroblasts"	13 Jul 2022
2022 STEAM Power: Imagining Tomorrow: Innovation with Heart Title: "Conservation + Comics: Innovative Ways to Teach STEM and Foster Science Identity"	17 Mar 2022
2021 Guild of Natural Science Illustrators - Virtual Visual SciComm Conference Title: "Passion meets purpose: STEM comics for all"	17 Jul 2021
2018 American Society for Cell Biology Conference Title: "Art and Science Collide!: Engaging Students with STEM-based Comics"	9 Dec 2018
2018 National Science Teacher Association STEM Forum Title: "Art and Science Collide!: Engaging Students with STEM-based Comics"	13 Jul 2018
2017 American Society for Virology Conference Title: "Non-Specific Interactions Between HIV-1 Gag and Envelope Proteins Regulate the Formation and Stability of Virological Synapses"	24 Jun 2017
2015 American Society for Virology Conference Title: "Retroviral Infection Modulates Cell-Cell and Cell-Extracellular Matrix Interactions"	11 Jul 2015
2015 Cold Spring Harbor Retroviruses Meeting Title: "Viral and Extracellular Determinants Regulate HIV-1 Virological Synapse Formation, Stabilization, and Turnover"	22 May 2015
2014 American Society for Virology Conference Title: "Role of Env Cytoplasmic Tail Domain in HIV-1 Cell-to-Cell Transmission"	23 Jun 2014

Poster Presentations

2021 Communicating the Future: Engaging the Public in Basic Science – SciPEP Title: “In Their Eyes: Building Scientific Knowledge, Environmental Stewardship, and Science Identity through Innovative STEAM Programming”	28 Jul 2021
2021 Communicating the Future: Engaging the Public in Basic Science – SciPEP Title: “Gaining STEAM: Illuminating Research Through Art”	27 Jul 2021
2019 American Society for Cell Biology Conference Title: “Neuronal synaptic proteins regulate cancer-associated fibroblast pro-tumor features in pancreatic cancer”	7 & 9 Dec 2019
2018 American Society for Cell Biology Conference Title: “Art and science collide!: Engaging students with STEM-based comics”	9 Dec 2018
2018 American Society for Cell Biology Conference Title: “Meaningful Connections: CAF-mediated cell-cell interactions in pancreatic cancer”	8 & 10 Dec 2018
2017 American Society for Cell Biology Conference Title: “Meaningful Connections: CAF-mediated cell-cell interactions in pancreatic cancer”	2 & 4 Dec 2017
2017 CSHL Biology of Cancer: Microenvironment and Metastasis Meeting Title: “Meaningful Connections: CAF-mediated cell-cell interactions in pancreatic cancer”	11 Oct 2017
2017 Communicating Science Conference (ComSciCon) Flagship Meeting Title: “JKX Comics: Increasing scientific literacy, access, and exposure, through comics”	24 Jun 2017
2016 American Society for Cell Biology Conference Title: “Roles for HIV-1 Matrix, Rho Family GTPases, and Extracellular Viscosity in regulating Envelope-induced cell-cell fusion”	3 & 5 Dec 2016
2014 “Wisc-e-Sota” UMN-UW Virology Training Grant Symposium Title: “HIV-1 Env’s cytoplasmic tail domain regulates multiple aspects of viral cell-to-cell transmission at the virological synapse”, <u>BEST POSTER AWARD</u>	10 Oct 2014
2012 SciMed GRS Research Symposium Title: “Roles for the extracellular matrix in retroviral cell-to-cell spread”, <u>BEST POSTER AWARD</u>	26 Apr 2012
2010 Life Sciences Summer Undergraduate Research Program (LSSURP) Research Symposium Title: “Determination of O6-alkylguanine-DNA alkyltransferase variants ability to repair O6-[4-Oxo-4-(3-pyridyl)butyl]guanine adducts relative to O6-methylguanine adducts”	14 Aug 2010
2010 North Star STEM Alliance Student Research Symposium Title: “Determining difference in Alkylguanin-DNA alkyltransferase variants’ ability to repair the O6-alkylguanine adducts, O6-methylguanine and O6-pyridyloxobutylguanine”	30 Mar 2010
2009 Macalester College Undergraduate Research Symposium Title: “Determining difference in Alkylguanin-DNA alkyltransferase variants’ ability to repair the O6-alkylguanine adducts, O6-methylguanine and O6-pyridyloxobutylguanine”	8 Oct 2009

HONORS & AWARDS

Dr. Eddie Méndez Scholar Award	2022
National Cancer Institute Travel Award	2022
Cancer Epigenetics Institute Travel Award	2022
Health Equity Leadership and Social Justice Award	2022
ASCB Accomplishing Career Transitions Fellow	2021 – 2023
Macalester College Young Alumni Award	2021

HHMI/Janelia Leading Edge Fellow	2020 – 2021
Alaska Robotics Comics Camp Selected Participant	2020
AAAS IF/THEN Ambassador	2019 – 2021
HHMI Hanna H. Gray Fellows Finalist	2018
Mindlin Foundation Science Communication Prize	2018
Morgridge Entrepreneurial Bootcamp Selected Participant	2017
5th Annual ComSciCon Flagship Meeting Selected Participant (50/1071 spots)	2017
ASCB Minority Affairs Committee Travel Grant	2016, 2017, 2018, 2019
Denice D. Denton Emerging Leaders Selected Student Participant	2016
Ford Foundation Dissertation Fellowship, <i>Honorable Mention</i>	2016
UW-Madison Graduate Peer Mentor Award, <i>Honorable Mention</i>	2016
ASV Graduate Student Travel Grant	2014, 2015
UW-Madison Vilas Conference Travel Award	2014, 2015
Best Poster, “Wisc-e-Sota” UMN-UW Virology Training Grant Symposium	2014
Dr. J. Abiodun Elegbede Cancer Research Award	2014
HHMI Teaching Fellows Program	2013 – 2014
Cream City Medical Society Legacy Scholarship	2012
Best Poster, Science and Medicine Graduate Research Scholars (SciMed GRS) Research Symposium	2011
Biological Sciences Scholar Award	2011
Life Sciences Summer Undergraduate Research Program	2010
National Science and Mathematics Access to Retain Talent (SMART) Grant	2010
North Star STEM Alliance Undergraduate Research Grant	2009
Macalester College Grant	2007 – 2011
Catherine Lealtad Scholarship	2007 – 2011
Academic Competitiveness Grant	2007

TEACHING & MENTORING EXPERIENCE

Teaching

- Teen Research Internship Program (TRIP) Initiative Instructor**, *Fox Chase Cancer Center* Feb 2018 – Mar 2020
COVID-19 interruption
- Helped guide 50 stellar high school students from the Philadelphia area in designing and executing experiments to answer original questions of their own choosing, as well as learn how to analyze, interpret, and communicate their data.
 - Developed and taught a science communication mini course within the program teaching students to create effective graphical representations of their independent research.
 - Designed and produced symposium program booklets to highlight each student in the program and display the graphical abstracts they produced.
- PEER Program Workshop Instructor**, *University of Tennessee-Knoxville* 12-13 Aug 2015
- Co-led a workshop for matriculating underrepresented graduate students at the University of Tennessee on effective methods of dissecting primary and popular press STEM articles. Workshop was based on a course taught at UW-Madison.

Instructor of Record, *University of Wisconsin-Madison*

Fall 2014

- Developed curricula for a new course teaching matriculating undergraduate students at the University of Wisconsin-Madison called “Secrets of Science: From the Lab to Popular Press”. The course targeted students with an interest in STEM to equip them with critical thinking, experimental design, and grant writing skill sets necessary for a career in STEM earlier in their educational careers.
- Independently taught, mentored, and managed the participating 17 students and 1 undergraduate peer mentor for the entire semester.
- Designed and graded all coursework and exams.

Lab Preceptor for General Chemistry I and General Chemistry II, *Macalester College*

Sep 2008 – May 2011

Guest Lectures & Classroom Visits

Green Run High School Innovation Lab Community Conversation Speaker	4 Jun 2021
Montgomery County Community College Guest Lecture	1 Apr 2021
University of Illinois-Chicago Bio196 Guest Lecture	4 Mar 2021
Young Women In Biology Career Talk	9 Apr 2019
Roxborough High School Biotechnology Track Career Day	8 Nov 2018
William Tennent High School Women In Science and Engineering (WISE) Club Career Talk	26 Oct 2018

Mentoring**Life Science Communication (LSC) 640 Internship Mentor, *University of Wisconsin-Madison***

Spring 2019

- Leo Barolo

Science and Medicine Graduate Research Scholars (SciMed GRS) Peer Mentor, *University of Wisconsin-Madison*

Aug 2012 – Dec 2016

Mentored first year graduate students from historically marginalized and excluded backgrounds to facilitate their acclimation to Madison and graduate student life.

- Joshua Cruz
- Nadia Khan, PhD
- Mary Susan Lopez, PhD

Undergraduate Research Mentor, *University of Wisconsin-Madison*

- Eliah A. Gomez
- Eric J. Mauer

Jan 2014 – Dec 2015
Jun 2012 – May 2013**Louis Stokes Alliance for Minority Students Participation (LSAMP) Program Student Mentor, *Macalester College***

Sep 2010 – May 2011

SCIENCE COMMUNICATION & OUTREACH LEADERSHIP POSITIONS**JKX Comics, co-founder and contributor****Nov 2015 – Present**

- Create educational comics on scientists and scientific topics to increase public science exposure, access, and literacy.
- Manage a 4-7 person team and mentor them in the comic making process.
- Identify funding sources and opportunities and develop application material.
- Curate our social media (@jkkxcomics) presence on Twitter.

ComSciCon Leadership Team**Nov 2019 – Present**

- Work as part of a team to decide the structure and execution of the Communicating Science Conference (ComSciCon) organization.
- Lead social media strategist.
- Programming Chair for 2021 ComSciCon Flagship meeting

Nov 2019 – Jun 2020
Oct 2020 – Sep 2021

ComSciCon Flagship Programming Committee	Sep 2017 – Sep 2021 <i>Oct 2020 – Sep 2021</i>
<ul style="list-style-type: none"> ● 2021 Chair; Led the development of inclusive and anti-racist programming for the flagship ComSciCon meeting which targets graduate students and recent graduates from the US and Canada to explore careers and skills in science communication.; Manage and organize a 10-person team in conference planning.; Establish an inclusive and welcoming (virtual) workspace. ● 2020 Vice-Chair; Assisted chair in developing the first virtual conference.; Responsible for co-organizing “Zine and Comics in SciComm” workshop.; Moderated community Slack channel. ● 2019 organizer; Responsible for co-organizing and moderating the “Creative Storytelling” panel and the science comedy workshop (led by Science Riot). ● 2018 organizer; Responsible for co-organizing the “Creative Storytelling” panel and Write-a-thon workshop (an opportunity for participants to receive peer and expert feedback on a written science communication piece). 	<i>Sep 2019 – Jun 2020</i> <i>Sep 2018 – Jul 2019</i> <i>Sep 2017 – Jun 2018</i>
In Their Eyes: Conservation + Comics Project	Oct 2019 – Jun 2021
<ul style="list-style-type: none"> ● Co-created the teaching curricula for the project aligned to 6th grade NGSS standards ● Managed the designing and development of comics and trading cards class activity material ● Co-organized student virtual poster presentations 	
Black in Cancer Week Organizing Committee	Aug 2020 – Oct 2020
<ul style="list-style-type: none"> ● Co-organized the inaugural Black in Cancer Week which ran from 11 – 17 Oct 2020. ● Shaped the programming for Tuesday, 13 Oct, #TheCancerPipeline day, which had a panel showcasing a variety of careers in the cancer space, panelists’ STEM journeys, and advice for trainees navigating the pipeline. ● Designed the logo and branding for #BlackInCancerWeek. ● Assisted in website design. ● Created all panel graphics and “Meet the Organizers” picture quotes for social media. 	
#UniqueScientists Team member	Jul 2019 – Mar 2020 <i>on indefinite hiatus</i>
<ul style="list-style-type: none"> ● Curated the twitter account (@Also_AScientist) highlighting diverse scientists daily. ● Developed and construct trading cards for throwback Thursday (#UniqueTBT) events and for school use. ● Designed media for social media (Instagram) use. 	
Gaining STEAM!: Illuminating Science through Art Program Organizer	Apr 2018 – Jul 2019
<ul style="list-style-type: none"> ● Organized workshops for JKX Comics Gaining STEAM! Project. ● Developed material for the second workshop focused on using images in science and translating scientific stories about academic research into a comic storyboard. 	
ComSciCon 2017 Flagship Meeting Participant (50/1071 spots available)	Jun 2017
SciMed GRS Peer Mentoring Committee	Aug 2014 – Dec 2016
<ul style="list-style-type: none"> ● Helped develop programming for SciMed GRS for the academic year to ensure the needs of participating first year underrepresented graduate students were met. ● Selected future committee members and mentors. 	
Morgridge Institute for Research Outreach Experience Volunteer	Jan 2012 – Jul 2014
Wisconsin Institute for Discovery – Town Center Saturday Science Assistant	Jan 2012 – Jul 2014
Macalester Biology Club, co-founder and co-chair	Sep 2009 – May 2011
Orientation Leader for incoming undergraduates	Aug 2009

SERVICE & PROFESSIONAL MEMBERSHIPS

Reviewer: <i>eLife</i> ,	
American Society for Cell Biology, <i>Postdoc Member</i>	2016 - Present
American Society for Virology, <i>Student Member</i>	2014 - 2017
American Association for Cancer Research, <i>Student Member</i>	2009 - 2012

FEATURES & APPEARANCES

Audio

On the Job Podcast: Episode 34: Comics with a Cause	17 May 2021
Real Talk: A Diversity in Higher Ed Podcast Episode 7: Drawing Conclusions, the Art & Science of Cartooning	30 Mar 2021
Nature Check D&D The Dance of the Bumblekits: World of Wyldrvir One-Shot	22 Nov 2020
Wisconsin Radio Network Interview	3 May 2019
WORT 89.9 FM Radio Interview	2 May 2019
Bougie By Association Podcast: Episode 21: Talk with Dr. Jaye C. Gardiner	7 Feb 2019
Out of the Darkroom: Exposure Podcast Episode 1: Dr. Jaye C. Gardiner	18 Jan 2018

Video

Camp GoldieBlox by Amy Poehler's Smart Girls and GoldieBlox Episode 7: Teaching Kids about Problem Solving and Failure [https://youtu.be/aeircprqftM]	26 Sep 2021
Macalester Young Alumni Award - Jaye Gardiner '11 [https://youtu.be/88jOvM117xo]	28 May 2021
YouTooBio: Interview with a Super Cool Scientist [https://youtu.be/ahEsciAKzuE]	16 Mar 2021
Meet AAAS IF/THEN Ambassador: Jaye Gardiner [https://youtu.be/sGim40OuJqA]	8 Sep 2020

Print

Temple University Black History Month Award Winners: Diverse and Deeply Devoted	14 Mar 2022
AAAS IF/THEN Ambassadors are Inspiring the Next Generation of STEMM Talent	25 Feb 2022
Fox Chase Cancer Center Jaye Gardiner Awarded Inaugural Black In Cancer Fellowship for Her Pancreatic Cancer Research	22 Nov 2021
Macalester College 2021 Alumni Award Recipients	2 Jun 2021
Cell Press - Cell Mentor 1,000 Inspiring Black Scientists in America	28 Dec 2020
University of Wisconsin-Madison - OnWisconsin Turning Science Into Stories: JKX Comics Illustrates Vital Concepts for NonScientists	Winter 2020
Circle Around - Inspiration 6 Female Artists Creating Comics for Change	30 Jul 2020

Philadelphia Inquirer - The Upside Cancer Researcher Jaye Gardiner Creates Science Comics for to Explain Science to Non-Scientists	21 Jul 2020
Cell Press - Cell Mentor 100 More Inspiring Black Scientists in America	19 Jun 2020
Science News Three Real-life Scientists Inspire These Comic Book Superheroes	14 Jun 2020
Cell Press - Cell Mentor Educational Comic Artist Jaye Gardiner	12 Jun 2020
Macalester College - Macalester Today I Like To Dream Big	22 Apr 2020
Fox Chase Cancer Center Fox Chase Cancer Center's Jaye Gardiner, PhD Selected as AAAS IF/THEN® Ambassador	21 Nov 2019
Technical.ly Why Scientist Dr. Jaye Gardiner Draws Comics to Encourage Diversity in STEM Fields	18 Sep 2019
BTN LiveBIG A Group Of Wisconsin Grads Are Using Comic Books To Promote Science Education	15 May 2019
Comics Sci Blog How Can Writing Comics Make You A Better Scientist	3 May 2019
University of Wisconsin - Madison News Science Goes to the Comics at Saturday Showcase	2 May 2019
Fox Chase Cancer Center Fox Chase Cancer Center Pancreatic Cancer Researcher Receives American Cancer Society Research Grant	13 Dec 2018
Isthmus Science Meets Comics - A project Funded by UW-Madison Explores New Ways of Presenting Research	13 Dec 2018
McArdle Laboratory for Cancer Research Blog Graduate Students Use Comics to Inspire the Next Generation of STEM Students	13 Aug 2018
WARF News WARF Support For Graduate Students	15 Sep 2016