

SARAH E. GOLDING, Ph.D.

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EDUCATION

Doctor of Philosophy, Awarded by the Faculty of Applied Sciences, Sept 2006
The University of the West of England, Bristol, BS16 1QY, UK

Bachelor of Science (Honors), Applied Biological Sciences (sandwich) 1st class July 2002
Faculty of Applied Sciences, the University of the West of England, Bristol, BS16 1QY, UK.

ACADEMIC APPOINTMENTS

Associate Professor, Department of Biology, Virginia Commonwealth University July 2020 – Present

Special Assistant to the Dean, College of Humanities and Sciences, Virginia Commonwealth University Oct 2018- Present

Assistant Professor, Department of Biology, Virginia Commonwealth University Aug 2017- 2020

Instructor, Department of Biology, Virginia Commonwealth University Aug 2011- 2017

Post-Doctoral Fellow, Department of Radiation Oncology, School of Medicine, Virginia Commonwealth University Aug 2006-2011

AWARDS & RECOGNITIONS

Nominee for Faculty Award
2021 VCU PACME (Presidents Awards for Community Multicultural Enrichment) April 2021

Faculty Advisor Certificate of Merit
2020 VCU University Academic Advisory Board Annual Awards May 2020

Administrator Award awarded to the Center on Health Disparities leadership team
2019 VCU PACME (Presidents Awards for Community Multicultural Enrichment) April 2019

“Programs That Work” Award given to the VCU Bridges to the Baccalaureate
2019 Virginia Mathematics and Science Coalition January 2019

Outstanding Term Faculty Award (Inaugural Award)
2016 Presidential Awards, Virginia Commonwealth University August 2016

ADMINISTRATIVE & LEADERSHIP EXPERIENCE

Special Assistant to the Dean

College of Humanities and Sciences, Virginia Commonwealth University

- Liaise with Dean, Associate Dean for Undergraduate, College Units, College Advisors on Retention and Persistence

Lead for the CHS Leaders for Inclusive Learning Program

Nov 2020-present

College of Humanities and Sciences, Virginia Commonwealth University

- Designed and implemented a year-long faculty development program grounded in Inclusive Learning
- Leading 25 Faculty members representing units across the College in a year-long train the trainer immersive experience in leading change with respect to inclusion in our classrooms. Goal to improve DFW, retention, and persistence for students most prone to institutional bias.

Special Assistant for Experiential Learning

Nov 2018- June 2021

- Liaise with Dean, ADR, College Units, and AVP for Relevant Experiential and Applied Learning to increase access and remove barriers to engagement in High Impact Learning practices across the College of Humanities and Sciences
- Manage the “Baldacci Experiential Learning Fund” endowed scholarship for experiential learning \$50K per year
- Support the Associate Dean for Research, specifically with managing the review of research proposals for internal funding opportunities (Seed/Catalyst, PerQ, UROP, Eminent Scholars)

VCU REAL Initiative

2018-Present

Since the inception of the VCU REAL initiative I have been part of various task forces/councils to help integrate the initiative into the fabric of VCU.

2020 – Present Co-Chair of the Relevant Experiential and Applied Learning (REAL) Curriculum committee

2018 – 2019 Co-Chair of the Relevant Experiential and Applied Learning (REAL) Task Force

As co-chair of the REAL Task force I worked alongside the AVP for REAL to develop a classification system for REAL experiences at VCU. We then led an audit of all experiential learning activities at VCU.

As the co-chair of the inaugural REAL curriculum committee we worked to develop a review mechanism to integrate REAL into the Academic Affairs governance system. We drafted and approved the REAL academic regulation, which was subsequently approved to as a graduation requirement Fall 2022.

Dean’s Fellow

Jan 2017-Oct 2018

College of Humanities and Sciences, Virginia Commonwealth University

- Executed a comprehensive audit of College-wide experiential learning activities to provide baseline data for strategic planning
- Co-designed & implemented a new internal faculty research funding opportunity “Seed and Catalyst Awards” \$200K per yr
- Designed & implemented a new endowed scholarship for experiential learning “Baldacci Experiential Learning Fund” \$50K per yr

Co-Director (MPI), VCU Bridges to the Baccalaureate Program

Sept 2018 – present

Summer Program Director, VCU Bridges to the Baccalaureate Program

Jan 2014 - present

NIH-R25GM102795

- Co-designed and implemented an ongoing summer undergraduate research program for 18 Community College students per year.
- Manage admissions process, mentor/mentee assignments/expectations/conflict resolution, trainee travel to a national meeting, and longitudinal data for NIH reporting.
- Manage an annual budget ~ \$250K per year

Undergraduate Director, VCU Initiative to Maximize Student Development Training Program

Sept 2013 – present

Scientific Training Coordinator, VCU Initiative to Maximize Student Development Training Program

Aug 2011-Sept 2013

NIH-R25GM090084

- Designed and implemented an ongoing year-round summer undergraduate research program for 16 VCU students per year.
- Manage admissions process, mentor/mentee assignments/expectations/conflict resolution, trainee travel to a national meeting, and longitudinal data for NIH reporting.
- Manage an annual budget ~ \$250K per year
- Collaborate with VCU Career Services to offer the VCU BEST (Broadening Experiences for Scientific Training)

Director of Undergraduate Research*Department of Biology, College of Humanities and Sciences, Virginia Commonwealth University*

Aug 2011- present

- Manage advising and enrollment for all Biology Research course options (enrollment ~200 per year)
- Manage mentor/mentee expectations and conflict resolution
- Established and manage Biology Undergraduate Travel Award Program \$2000 per year
- Establish and manage Biology Summer Undergraduate Research Fellowship Program \$3000 per year
- Designed, built, and maintain Bioadvising web portal <https://rampages.us/bioadvising/vcubiologyundergraduateresearch/>

PROFESSIONAL & LEADERSHIP DEVELOPMENT

Becoming an Anti-Racist Educator

Level 1

Jan-May 2021

Level 2

Sept 2021-present

VCU School of Education

Deans Fellowship Program

2017-2019

2 year Leadership Development Fellowship

VCU College of Humanities and Sciences

Grace E. Harris Leadership Development Institute

Jan – Oct 2015

10-month leadership development program at Virginia Commonwealth University

TEACHING EXPERIENCE

Courses taught:

Fall 2016 – present

BIOL392

Introduction to Research (2 credits), redesigned the course to meet NIH and NSF guidelines for Responsible Conduct in Research training of undergraduates

Spring 2015 – present

BIOL 693/604

Research Integrity (1 credit), meets NIH and NSF requirements for the training of graduate and postdoctorals in the Responsible Conduct of Research

Fall 2013 – present

BIOL 492

BIOL 395

Independent Study manage independent and directed study credit options for Department of Biology. Redesigned registration and submission procedures, syllabus and moved BIOL492 to A-F/I grading scheme

Spring 2012-16

BIOL 300

LFSC 301

BIOL 490

BIOL 495

Cell Biology (3 credits), 200-300 Students per semester

Integrative Life Science Research, Team Taught with Dr. Lesley Bulluck, (3 Credits)

Research Seminar, (1 credit)

Research and Thesis, manage enrollment, grading final defenses & thesis (1-4 credits)

Fall 2011- 12

BIOZ 476

Capstone Laboratory, taught 1 lab section (2 credits)

Spring 2008-11

MEDP 630

Radiobiology for the Medical Physicist, Team taught, 7 lectures (3 Credits)

New course design:

Fall 2016

BIOL392

Introduction to Research (2 credit) Developed Responsible Conduct of Research course for Undergraduates

Spring 2015

BIOL 693

Research Integrity (1 credit) Developed Responsible Conduct of Research for Biology Masters and Life Sciences PhD students

Fall 2011

LFSC 301

Aided with the first semester, the course was designed before I came on staff helped rework during semester and for the spring offering

Spring 2012

BIOL 490/495

Redesigned and reintroduced this course to enable “Honors in Biology”

May 2012

Bootcamp

With assistance from Fernando Tenjo, John Ryan, and Suzanne Barbour designed and implemented a pilot of a one-week boot camp for Molecular skills

Guest Lectures:

Spring 2012

BIOZ 476

Capstone Laboratory Lecture, Microarrays

Fall 2012

BIOL 450

Biology of Cancer, Inhibition of ATM gives radiation therapy more bang for its buck

Every semester

BIOL 218/300

Cell Biology, “Undergraduate Research Opportunities” and “What Next?”

Guest Speaker:

January 2012 - present

Guest Speaker, Berglund Honors Seminar Series, VCU Honors College, Undergraduate Research Opportunities

Jan 23rd, 2012

Guest speaker for the VCU Postdoc Association – Transition to a non-research academic position.

October 2013

Guest Speaker for VCU-OURS student group – Women in Science

October 2013

CoHD Workshop leader - Work-Life Balance

Nov 2013

Guest Speaker for VCU-HOSA student group – Undergraduate research opportunities

Nov 2013

Guest Speaker for VCU Biology Scholars student group – Undergraduate research opportunities

Nov 2013-15

Guest speaker for the ILS Ph.D. program – VCU Preparing future faculty and Transition to a non-research academic position

Oct 2015 Guest Speaker –Alternative Science Careers GRAD 615
 Jan 2016 Guest Speaker for Emerging Health Care Leaders Student Organization
 Oct 2018 Guest Speaker –Alternative Science Careers GRAD 615

Seminar/Workshop Series:

Spring 2017 – current VCU BEST (Broadening Experiences in Scientific Training) Monroe Park Workshops
 Partner with VCU Career Services to plan and facilitate a series of workshops that focus on career development and career options for students in the sciences.

Summer 2014-present Near Peers Seminar Series
 Weekly seminar series during the Center on Health Disparities Summer Research Program. Program features senior undergrads, Grad students and post-docs sharing their science, describing a key method used in their research, and sharing their career story and “what they wish they’d known”. Attendees includes but is not limited to: VCU IMSD, PREP, Bridges, HERO-T, HSURP and UROP participants.

Spring 2013 – present CoHD Friday sessions.
 Organize and facilitate a semimonthly workshop series in conjunction with the Center of Health Disparities research training programs. Workshops aim to provide assistance with navigating research careers/graduate school/personal and professional development

Summer 2012 - present Navigating the Next Step.
 Organize and facilitate a weekly discussion based class in conjunction with the Center on Health Disparities summer research programs. Discussions are focused on planning and executing a successful graduate school application.

Summer 2012 & 2013 Research Process course.
 Help to organize and facilitate (with Dr. Suzanne Barbour) a weekly class in conjunction with the Center on Health Disparities summer research programs. Classes focus on basic science skills, introduction to primary literature, writing, statistics, designing and presenting research talks and posters

Other:

Advising Workshops With help from Ms. Alaina Campbell and the Global Education Office developed and initiated advising workshops for new and returning biology majors. Two 1-hour workshops were held in fall 2012 and three in spring 2013. In Fall 2013 we moved these events into Cell Biology 218 to facilitate advising to over 500 STEM majors per semester.

Study Abroad With the help of Ms. Alaina Campbell and the Global Education Office developed and in the process of developing materials to help biology majors with the study abroad process. We have had meetings with the GEO to identify programs best suited to biology majors and determine curricular based needs and course-based needs of prospective study abroad students.

STEM advisors network Ms. Alaina Campbell initiated a group of advisors from all STEM majors at VCU. We meet monthly to share information, discuss issues and initiatives and facilitate enhanced communication between different units

TEACHING PUBLICATIONS, PRESENTATIONS, & ABSTRACTS _____

POSTER ABSTRACTS

Golding SE, Lloyd JA, Akbarali H, Smith M, Kester KM, and Wright MS. Maximizing Program Synergy and Sustainability: A model for program administration at a large urban research-intensive institution. 2019 NIGMS Training and Workforce Development. Bethesda, MD. July 30-Aug 2, 2019.

Kester KM, Stewart J, Zahn M, Chu S, and **Golding SE**. VCU Bridges to the Baccalaureate: Easing transitions from partner community colleges to a large urban R-1 institution. 2019 NIGMS Training and Workforce Development. Bethesda, MD. July 30-Aug 2, 2019.

Lloyd JA, Lucuro E, Navarro A, and **Golding SE**. Creating and implementing a communication plan for the NIH/NIGMS/TWDD Research Training Programs at Virginia Commonwealth University (VCU). 2019 NIGMS Training and Workforce Development. Bethesda, MD. July 30-Aug 2, 2019.

Golding SE, Hall JD, Banks ER, Cooper PE, Johnson JM Gwathmey TM, Jones LP, Kasman L, Wilson KL and Smith EJ. Regional Partnership among Training Programs Benefit Trainee Networking and Program Success. Poster Presentation. 2019 NIGMS Training and Workforce Development. Bethesda, MD. July 30-Aug 2, 2019.

Golding SE, Hall JD, Banks ER, Cooper PE, Johnson JM Gwathmey TM, Jones LP, Kasman L, Wilson KL and Smith EJ. Regional Partnership among Training Programs Benefit Trainee Networking and Program Success. Poster Presentation. 2019 Understanding Interventions. Baltimore, MD. March 8-10, 2019.

Kester KM, Stewart J, Zahn M, Chu S, and **Golding SE**. VCU Bridges to the Baccalaureate: Easing transitions from partner community colleges to a large urban R-1 institution. Virginia Mathematics and Science Coalition Annual Meeting, Richmond, VA. January 15th 2019.

Suzanne E. Barbour, John J. Ryan, Allison Vanderbilt, and **Sarah E. Golding**. Minority-Focused Research Training Programs as a Catalyst for Evidence-Based Learning in an Undergraduate Biology Curriculum. 2013 Vision and Change in Biology Education, Washington DC, August 28-30, 2013.

PRESENTATIONS

Building a Diverse Community of Scientists: A Decade of VCU Center on Health Disparities Research Training Programs
Participants: Moderator: Suzanne Barbour. Panelists: Hamid Akbarali, **Sarah Golding**, Joyce Lloyd, Roslyn Hargraves, Marcie Wright.
Panel Discussion at the VCU 50th Anniversary Celebration, VCU, Richmond VA. November 30th 2018.

Addressing Disparities in the Biomedical WorkForce - A work in progress. **Golding SE**, Lloyd J, Donaldson T, Kester K, Hendricks-Munoz K, Coney P. Oral Presentation at the 2017 Equity and Inclusion Leadership Symposium, VCU, Richmond VA. Aug 2017.

The Importance of Training Undergraduates in your labs. **Golding SE**. Guest speaker at American Brain Tumor Association Alumni Network meeting, Chicago, Illinois. Sept 2014

PUBLICATIONS

Golding SE, Pullen NA, Lama Tamang TD*, Hubbard NM*, Hill H, Barbour SE. Undergraduate Research Training Blossoms at VCU: Pollinated by Students. CUR Quarterly, Fall 2012 (Journal of the Council on Undergraduate Research).

TEACHING & MENTORING FUNDING

Pending:

NIH/NCI – R25 \$1,925,846.00 Direct Costs

Virginia Commonwealth University Massey Cancer Center Cancer Research ExperienceS (Massey CARES)

Principal Investigators: Emmanuel Taylor, Devanand Sarkar, Elizabeth Edmondson

Period: 7/01/2022 – 6/30/2027

Research training program for High Schoolers, High School teachers, and Undergraduates in Cancer Health literacy

Role: Co-investigator **Effort:** 0.5 Summer months

Current Funding:

NIH/NIGMS- R25GM090084, \$3,075,255 Direct Costs

Virginia Commonwealth University Initiative to Maximize Student Diversity Program (VCU-IMSD)

Principal Investigators: Hamid Akbarali and Joyce Lloyd

Period: 2/1/2010-1/31/2023

Academic enrichment and laboratory experiences for underrepresented undergraduate and PhD students.

Role: Co-investigator –Undergraduate Program Director **Effort:** 3.0 Academic months

NIH/NIGMS - R25GM102795, \$1,376,824 Direct Costs

Virginia Commonwealth University Bridge to the Baccalaureate: From Dream to Goal

Principal Investigators: Karen Kester and Sarah Golding

Period: 7/1/2013-6/30/2023

The major goals of this project are to increase transfer/graduation rates and academic success of Underrepresented (UR) Biology students, and ultimately, diversity in the biomedical/ behavioral sciences.

Role: Principle Investigator (MPI)**Effort:** 2.0 Summer Months**HHMI \$1,000,000 Directs Costs**

Virginia Commonwealth University Inclusive Excellence: VCU Step's towards inclusion

Principal Investigator: Allison Johnson

Period: 9/1/2018-8/30/2023

The major goal of this project is to create an inclusive STEM community at VCU that allows all students to thrive. This proposal focuses on removing administrative and curricular roadblocks for transfer students. Expanding the capacity of the Campus Learning Center to provide STEM-specific support, and creating faculty communities with partner community colleges to foster inclusive teaching techniques.

Role: Leadership team**Past Funding:**

Artfulness – an Online resource for faculty and staff wellness

Principal Investigators: Molly Ransome, Sarah Golding, and Whitney Lovelady

Agency: VCU Quest Innovation Fund

Period: 01/2016 – 12/2016

Funded: \$30 K, zero effort

Role: Co-I**NIH/NIGMS- T34GM092447, \$975,800 Direct Costs**

Virginia Commonwealth University Minority Access to Research Careers Program (VCU-MARC)

Principal Investigator: John Ryan

Period: 6/1/2010-5/31/2016

VCU-MARC targets academically talented (honors-level) URM undergraduate students who might otherwise have chosen another career path (generally medicine) for focused research training and mentored research experience intended to prompt them to consider careers in biomedical research

Role: Scientific Training Coordinator**Effort:** 3.0 Calendar Months**NIH/NIDA- R25DA036915 \$297,790 Direct Costs**

Virginia Commonwealth University Health Education and Research Opportunities for Teachers (VCU-HERO-T)

Principal Investigator: Roslyn Hobson Hargraves

Period: 01/01/2016- 12/31/2020

The goal of the HERO-T program is to help improve the quality of science teaching as well as student achievement in secondary science classes by providing teachers with a substantive two-year research/ professional development.

Role: Scientific Coordinator**Role relinquished due to effort overload**

Took a seat on the steering committee to act in an advisory role

Unsuccessful submissions:**NIH/NCI**

Virginia Commonwealth University Massey Cancer Center CAncer Research ExperienceS (Massey CARES)

Principal Investigators: Joseph Landry, Sarah Golding, Santiago Lima, and Magboeba Moseval

Period: 4/1/2020-3/31/2025

Summer Research experiences in cancer health disparities for VCU, VSU, VUU, and Hampton undergraduates

Role: Principle Investigator (MPI)**Effort:** 1 Calendar months**NIH/NCI**

Youth Enjoy Science Virginia Commonwealth University Massey Cancer Center CAnCer Research ExperienceS (YES Massey CARES)

Principal Investigators: Devanand Sarkar, Joyce Lloyd, Sarah Golding, Santiago Lima, and Rosalyn Hargraves

Period: 4/1/2020-3/31/2025

Research experiences for High school students, teacher, undergraduates and HBCU faculty members.

Role: Principle Investigator (MPI) **Effort:** 1 Calendar months

Virginia Commonwealth University Minority Access to Research Careers Program (VCU-MARC)

Principal Investigators: Juanita Sharpe and Sarah Golding

Agency: National Institutes of Health, NIGMS

Period: 6/1/2016-5/31/2021

VCU-MARC targets academically talented (honors-level) URM undergraduate students who might otherwise have chosen another career path (generally medicine) for focused research training and mentored research experience intended to prompt them to consider careers in biomedical research

Role: Co-Principle Investigator Impact Score: 51 Not funded

Virginia Commonwealth University Minority Access to Research Careers Program (VCU-MARC)

Principal Investigator: John Ryan

Agency: National Institutes of Health, NIGMS

Period: 6/1/2015-5/31/2020

VCU-MARC targets academically talented (honors-level) URM undergraduate students who might otherwise have chosen another career path (generally medicine) for focused research training and mentored research experience intended to prompt them to consider careers in biomedical research

Role: Co-investigator - Scientific Training Coordinator Impact Score: 48 Not funded

Virginia Commonwealth University VCU Bridge to the Baccalaureate: From Dream to Goal

Principal Investigator: Karen Kester

Agency: National Institutes of Health, NIGMS

Period: 7/1/2012-6/30/2017

The major goals of this project are to increase transfer/graduation rates and academic success of Underrepresented (UR) Biology students, and ultimately, diversity in the biomedical/ behavioral sciences.

Role: Director of the summer research program and RCR instructor Not funded

Virginia Commonwealth University – HHMI Sustaining Excellence Program

Principal Investigator: Allison Johnson

Agency: HHMI

Period: 6/1/2014-5/31/2018

Science education grants aimed at helping research universities improve persistence of students studying STEM disciplines and reinvigorating introductory science courses:

Role: RCR Instructor Not funded

‘Train-the-Trainer’ Model to Instigate a Cultural Shift in Responsible Conduct of Research Education for VCU STEM Undergraduates

Principal Investigators: Sarah Golding and Lesley Bulluck

Agency: VCU Quest Innovation Fund

Period: 05/2014 – 04/2015

Not funded

Role: Co-PI

Virginia Commonwealth University Health Education Research Program (VCU-HERO)

Principal Investigator: Rakesh Kukreja

Agency: National Institutes of Health, NIHLB

Period: 12/01/2013 - 11/30/2018

Not funded

10 week summer mentored research experience for underrepresented undergraduate students in biomedical sciences.

Role: Educational Program Coordinator

MENTORING

10/2020 –Present	Andrew Wojcik PhD, School of Education, Provost’s faculty mentoring program
08/2017 – 2019	Barbara Merk PhD. New term faculty member in VCU Biology mentoring program
Fall 2013	Hilary Truchan, Ph.D. Candidate in Microbiology and Immunology, GRAD606 Preparing Future Faculty Internship Mentor.
8/2011-present	Act as a mentor to Center on Health Disparities Research training program participants (24 students)
6/2011 – 2017	Jasmine Allen, Undergraduate student, VCU. VCU-IMSD Scholar
10/2006-08/2011	Day to day mentoring of undergraduate, graduate and MD-PhD students in the Valerie Lab.
08/2009- 08/2010	Shayalini Wignarajah. An undergraduate exchange student from the University of the West of England, Bristol, UK. (Completed Ph.D. St Georges University of London, UK)
03/2009-04/2009	Jamie Rowe, Ph.D. Rotation student. Microbiology and Immunology graduate program, VCU.
08/2008-11/2008	Vijay Menon, PhD Rotation student, Molecular Biology Genetics graduate program, VCU.
08/2006 – 08/2007	Rhiannon N. Morgan. An undergraduate exchange student from the University of the West of England, Bristol, UK. (Completed Ph.D. EMBL)
10/2003 – 05/2005	Hoda Eydgahi, Undergraduate Student, VCU, Richmond, VA. (Completed Ph.D. MIT)

TEACHING & MENTORING MEDIA

4/27/21 “Real research: Stephanie Osei pursues passion for medicine in the classroom and the lab”

By Tom Gresham University Public Affairs

https://news.vcu.edu/students/Real_research_Stephanie_Osei_pursues_passion_for_medicine_in

7/21/2020 “VCU biology major’s passion for medicine, science and research leads to prestigious NIH scholarship”

By Brian McNeill, University Public Affairs

https://news.vcu.edu/article/VCU_biology_majors_passion_for_medicine_science_and_research

5/16/2019 “Student’s rise as a researcher takes her from law school in Brazil to an NIH lab”

By Tom Gresham University Public Affairs

https://news.vcu.edu/article/Students_rise_as_a_researcher_takes_her_from_law_school_in_Brazil

5/1/2019 “Students share stories of life-changing experiences made possible by Baldacci gift”

By Brian McNeill University Public Affairs

https://www.news.vcu.edu/alumni/Students_share_stories_of_lifechanging_experiences_made_possible

4/9/2019 “Do insecticide-treated mosquito nets harm sleep quality? This VCU student is aiming to find out”

By Brian McNeill University Public Affairs

https://news.vcu.edu/article/Do_insecticidetreated_mosquito_nets_harm_sleep_quality_This_VCU

1/7/2019 “Making REAL progress”

<https://provost.vcu.edu/about/news/feeds/real-task-force.html>

9/2/2018 “\$1.48M grant to aid community college students from underrepresented groups interested in biomedical sciences” By Brian McNeill University Public Affairs

https://news.vcu.edu/article/148M_grant_to_aid_community_college_students_from_underrepresented

4/25/18 “Life-changing learning experiences await the first 12 student recipients of VCU’s new Baldacci fund” By Brian McNeill University Public Affairs

https://news.vcu.edu/article/Lifechanging_learning_experiences_await_the_first_12_student

2/5/18 “Akbarali leads groundbreaking opioid research, guides a new generation of scientists” By SaraRose Martin Commonwealth Times

<http://www.commonwealthtimes.org/2018/02/05/akbarali-leads-groundbreaking-opioid-research-guides-new-generation-scientists/>

1/15/2017 “Higher ed advocates lobby legislators” By Katie Bashista, Capital News Service

<https://www.henricocitizen.com/articles/higher-ed-advocates-lobby-legislators/>

8/14/2017 “Inclusive Excellence announces awardees of three new initiatives” By Raina L. Fields University Public Affairs

https://news.vcu.edu/article/Equity_and_Inclusion_Leadership_Symposium

12/21/16 “Students win four awards at national conference for undergraduate minority researchers” By Leha Byrd University Public Affairs

https://news.vcu.edu/article/Students_win_four_awards_at_national_conference_for_undergraduate

8/24/16 “VCU honors seven at faculty convocation” By James Irwin

https://www.news.vcu.edu/article/VCU_honors_seven_at_faculty_convocation

6/9/16 “VCUs Health Sciences Schools focus on diversity at every level” Anne Dreyfuss, University Public Affairs

http://news.vcu.edu/article/VCUs_health_sciences_schools_focus_on_diversity_at_every_level

3/11/16 “Two VCU students awarded Howard Hughes Medical Institute fellowships” Patrick Kane, University Public Affairs

https://news.vcu.edu/article/Two_VCU_students_awarded_Howard_Hughes_Medical_Institute_fellowships

2/22/16 “VCU’s research training programs give underrepresented students and faculty a platform for discovery” Rachel Machacek, University Public Affairs

https://news.vcu.edu/article/VCUs_research_training_programs_give_underrepresented_students

1/16/15 “Undergraduate researchers present research findings on a national stage” Brian McNeill, University Public Affairs

https://news.vcu.edu/article/Undergraduate_researchers_present_research_findings_on_a_national

7/18/14 “Community college students from underrepresented groups intern, conduct research in VCU labs”, Brian McNeill, University Public Affairs

http://news.vcu.edu/article/Community_college_students_from_underrepresented_groups_intern

7/17/14 “A summer of real-life research” Sathya Abraham, University Public Affairs

http://news.vcu.edu/article/A_summer_of_reallife_research

5/23/12 “Lab Skills Bootcamp”, Sathya Abraham, VCU News Center.

http://www.news.vcu.edu/news/Lab_Skills_Boot_Camp

4/13/12 “Becoming a Researcher” Sathya Abraham, VCU News Center.

<http://www.news.vcu.edu/news/Hubbard>

RESEARCH EXPERIENCE

RESEARCH POSITIONS

Post-Doctoral Scientist Research Focus: Role of Pro-survival signaling during DNA repair. Laboratory of Dr. Kristoffer Valerie, Ph.D. Department of Radiation Oncology, Massey Cancer Center, Virginia Commonwealth University.	Sept 2006-August 2011
Graduate Research Assistant Thesis: Double-Strand Break Repair and Signaling in Human Glioma Cells. Laboratory of Dr. Kristoffer Valerie, Ph.D. Department of Radiation Oncology, Massey Cancer Center, Virginia Commonwealth University.	Oct 2002 – August 2006
B.Sc Honors Thesis Research Thesis: Expression of GP91 <i>phox</i> in <i>Pisum sativum l.argentum</i> . Principle Investigator: Professor Steven Neill, Ph.D. Centre for Research in Plant Sciences, University of the West of England, Bristol, UK.	Oct 2001 - May 2002
Undergraduate Research Assistant – Sandwich Placement Research focus: Stress signaling in human tumor cells. Principle Investigator: Professor Kristoffer Valerie, Ph.D., Division of Molecular Radiobiology, Department of Radiation Oncology, VCU, Richmond, VA.	Aug 2000 - Aug 2001

RESEARCH AWARDS & RECOGNITIONS

Radiation Research Society Scholar-in-training travel award. 56 th Annual Meeting of the Radiation Research Society. Maui, HI.	Sept 24-29 th 2010
Basic Research Fellowship, American Brain Tumor Association	July 2009-11
NRSA Postdoctoral Fellowship Massey Cancer Center T32 institutional training grant in Cancer Biology	June 2008-11
Excellence in Cancer Research Award. Massey Cancer Center Research Retreat, VCU, Richmond, Virginia.	June 16 th , 2006
AACR-AFLAC Scholar-in-training travel award. 97 th Annual Meeting of the American Association of Cancer Researchers, Washington, DC.	April 1-5 th 2006
Research recognition award, 32 nd Annual John C. Forbes Graduate Student Honors Colloquium. VCU.	March 16 th , 2004
Research recognition award, 31 st Annual John C. Forbes Graduate Student Honors Colloquium. VCU	March 12 th , 2003

RESEARCH PUBLICATIONS

(* denotes undergraduate researchers)

Preprint:

Amrita Sule, **Sarah E. Golding**, Syed F. Farhan, James Watson, Mostafa H. Ahmed, Glen E. Kellogg, Tytus Bernas, Sean Koebley, Jason C. Reed, Lawrence F. Povirk, Kristoffer Valerie. ATM phosphorylates PP2A subunit A resulting in nuclear export and spatiotemporal regulation of the DNA damage response. *bioRxiv* 2021.08.29.458108; doi: <https://doi.org/10.1101/2021.08.29.458108>

Published

Beckta JM, Dever SM, Gnawali N, Khalil A, Sule A, **Golding SE**, Rosenberg E, Narayanan A, Kehn-Hall K, Xu B, Povirk LF, and Valerie K. Mutation of the BRCA1 SQ-cluster results in aberrant mitosis reduced homologous recombination, and a compensatory increase in non-homologous end joining. *Oncotarget*. 2015, Aug 12. PMID: 26320175

Ashraf Khalil, Mark J. Jameson, Seth Dever, **Sarah E. Golding**, Elizabeth Rosenberg, William Broaddus, Theodore Chung and Kristoffer Valerie. Subcutaneous administration of D-luciferin is an effective alternative to intraperitoneal injection in bioluminescence imaging of xenograft tumors in nude mice. *ISRN Mol Imaging*. 2013 PMID: 25392739

Ashraf Khalil, Mark J. Jameson, William Broaddus, Peck-Sun Lin, Seth Dever, Theodore Chung, Kristoffer Valerie, **Sarah Golding** and Elizabeth Rosenberg. The influence of hypoxia and pH on bioluminescence imaging of luciferase transfected tumor cells and xenografts, 2013. *Int J Mol Imaging*.

Biddlestone-Thorpe L, Sajjad M, Rosenberg E, Beckta JM, Valerie NC, Tokarz M, Adams BR, Wagner AF, Khalil A, Gilfor D, **Golding SE**, Deb S, Temesi DG, Lau A, O'Connor MJ, Choe KS, Parada LF, Lim SK, Mukhopadhyay ND, Valerie K. ATM Kinase Inhibition Preferentially Sensitizes p53-Mutant Glioma to Ionizing Radiation. *Clin Cancer Res*. 2013 May 17.

Golding SE, Rosenberg E, Adams BR, Wignarajah S*, Beckta, JM, O'Connor MJ, and Valerie K. Dynamic inhibition of ATM kinase provides a strategy for glioblastoma multiforme radiosensitization and growth control. *Cell Cycle*, 2012 Mar 15;11(6):1167-73.

Golding SE & Valerie K. MRE11 and ATM AKTivate prosurvival signaling. Invited commentary. *Cell Cycle*. 2011 Oct 1;10(19):3227.

Hawkins AJ, **Golding SE**, Khalil A, Valerie K. DNA Double-strand-break-induced pro-survival signaling. Invited review. *Radiother Oncol*. 2011 Oct;101(1):13-7.

Dever, SM, **Golding SE**, Rosenberg E, Adams BR, Idowu MO, Quillin JM, Valerie N*, Povirk LP, and Valerie K. Mutations in the BRCT binding site of BRCA1 result in hyper-recombination. *Aging*. 2011 May; 3 (5):515-32.

Khalil A, Morgan RN*, Adams BR, **Golding SE**, Dever SM, Rosenberg E, Povirk LF, Valerie K. ATM-dependent ERK signaling via AKT in response to DNA double-strand breaks. *Cell Cycle* 10:3, 1-11. 2011.

Adams BR, **Golding SE**, Rao RR, Valerie K. Dynamic Dependence on ATR and ATM for Double-Strand Break Repair in Human Embryonic Stem Cells and Neural Descendants. *PLoS ONE*, 5(4). 2010.

Golding SE, Rosenberg E, Valerie N*, Hussaini I, Frigerio M, Cockcroft XL, Chong WY, Rigoreau L, Hummersone M, Menear KA, O'Connor MJ, Povirk LF, vanMeter T, Valerie K. Improved ATM kinase inhibitor KU-60019 radiosensitizes glioma cells, compromises insulin, AKT, and ERK prosurvival signaling, and inhibits migration and invasion. *Mol Cancer Ther*, 8(10):2894-902. 2009.

Golding SE, Morgan RN*, Adams BR, Hawkins AJ, Povirk LF, and Valerie K. Pro-survival AKT and ERK signaling from EGFR and mutant EGFRvIII enhances DNA double-strand break repair in human glioma cells. *Cancer Biol Ther*, Apr 22; 8(8). 2009.

Golding SE, Rosenberg E, Neill S, Dent P, Povirk LF, Valerie K. Extracellular Signal-Related Kinase Positively Regulates Ataxia Telangiectasia Mutated, Homologous Recombination Repair, and the DNA Damage Response. *Cancer Res*; 67: (3). 2007.

Golding SE, Rosenberg E, Khalil A, McEwen A*, Holmes M, Neill S, Povirk LF, Valerie K. Double-strand break repair by homologous recombination is regulated by cell cycle-independent signaling via ATM in human glioma cells. *J Biol Chem*, 279:15402-10. 2004.

Desikan R, Cheung M, Clarke A, **Golding S***, Sagi M, Fluhr R, Rock C, Hancock J, Neill S. Hydrogen peroxide is a common signal for darkness- and ABA-induced stomatal closure in *Pisum Sativum*. *Functional Plant Biology* 31, 913–920. 2004.

PEER-REVIEWED APPLICATIONS FOR RESEARCH FUNDING

January 2009

American Brain Tumor Association Basic Research Fellowship.
ATM-AKT radiation-induced signaling responses in malignant glioma

Funding status: Funded \$80K/2 yrs

Spring 2008	Massey Cancer Center NIH T32 Postdoctoral Training Program in Cancer Biology. ATM and AKT interplay: DNA repair and pro-survival signaling in human glioma cells Training grant P.I. Gordon Ginder M.D.	Funding status: Funded, \$150K/3 yrs
Spring 2004	DOD Congressionally Directed Medical Research Programs in Breast Cancer research Pre-doctoral Traineeship Award. Radiation-Induced Modulation of BRCA1 in Double-Strand Break Repair. Score: 1.6	Funding status: Not funded
Spring 2003	DOD Congressionally Directed Medical Research Programs in Breast Cancer research Pre-doctoral Traineeship Award. The role of BRCA1 in Double-Strand Break Repair. Score: 1.7	Funding status: Not funded

ORAL PRESENTATIONS

(* denotes undergraduate researchers)

January 23rd, 2012 - Berglund Honors Seminar Series, Honors College, Virginia Commonwealth University Discovering the Potential of ATM: Giving Radiation Therapy More Bang for its Buck. **Sarah E Golding**.

April 11th, 2011 – Invited speaker at the VCUHS Discovery Dialogues seminar series (conveying translational research to employees, students and the public visiting the hospital). Discovering the Potential of ATM: Giving Radiation Therapy More Bang for its Buck. **Sarah E Golding**.

March 7th, 2009 – The Rupert Schmidt-Ullrich Annual research retreat. Richmond, Virginia, USA. Improved ATM kinase inhibitor KU-60019 radiosensitizes glioma cells, compromises AKT and ERK prosurvival signaling and inhibits invasion. **Golding SE**, Rosenberg EA, Valerie N*, Povirk LF, vanMeter T, Valerie K.

November 17th, 2007 – The 25th Annual Seminar of Cancer Researchers in Virginia. VCU, Richmond, Virginia, USA. EGFRvIII up-regulates Double-Strand Break Repair. **Golding SE**, Morgan RN*, Povirk LF, Valerie K.

March 2nd, 2007 - Radiation Oncology Research Retreat. Jefferson Hotel, Richmond, Virginia, USA. ATM, MEK/ERK in the DNA damage response and repair. **Golding SE** and Valerie K.

January 29th, 2007 - Department of Biochemistry Seminar series. VCU, Richmond, Virginia, USA. ATM, ERK, and DNA double-strand break repair. **Sarah E Golding**.

September 11th, 2006 - The 2006 international workshop on Ataxia Telangiectasia and ATM. The Banff Centre, Banff, Alberta, Canada. ERK signaling regulates ATM, Homologous Recombination repair, and the DNA damage response. **Golding SE**, Rosenberg EA, Dent P, Povirk LF, **Valerie K**.

September 9th, 2005 - Invited speaker. University of the West of England, Bristol, England. Double strand break repair signaling. **Golding SE**, Rosenberg EA, Dent P, Povirk LF, Valerie K.

October 29th, 2005 - The 24th Annual Seminar of Cancer Researchers in Virginia. University of Virginia, Charlottesville, VA. MAPK signaling and homologous recombination repair. **Golding SE**, Neill S, Dent P, Povirk LF, Valerie K.

March 16th, 2004 - The 32nd Annual John C. Forbes Graduate Student Honors Colloquium. VCU, Richmond, Virginia, USA. DNA-PKcs-deficient human glioblastoma cells display enhanced homologous recombination repair. **Golding SE**, Povirk LF, Valerie K.

March 5th, 2004 - Radiation Oncology Research Retreat. Jefferson Hotel, Richmond, Virginia, USA. DNA damage repair and signaling. **Golding SE** and Valerie K.

February 5th, 2004 - Radiation Biology Seminar Series. Massey Cancer Center, VCU, Richmond, Virginia, USA. The role of ATM in homologous recombination repair. **Golding SE** and Valerie K.

March 21st, 2003 - The 23rd Annual American Cancer Society, VA Division Seminar on Basic and Clinical Cancer Research, University of Virginia, Charlottesville, Virginia, USA. Double-strand break repair by homologous recombination is regulated by signaling via the ATM pathway in human glioma cells. **Golding SE**, McEwen A*, Rosenberg EA, Holmes MK, Povirk LF, Valerie K.

March 12th, 2003 - The 31st Annual John C. Forbes Graduate Student Honors Colloquium, VCU, Richmond, Virginia, USA. Homologous recombination repair but not non-homologous end-joining is regulated by signaling via the ATM pathway in human glioma cells. **Golding SE**, Rosenberg EA, Povirk LF, Valerie K.

April 2001 - The 21st Annual American Cancer Society, VA Division Seminar on Basic and Clinical Cancer Research. VCU, Richmond, Virginia, USA. Trichostatin A activates immediate *c-jun* gene expression via the p42/44 MAP kinase pathway and increased AP-1 activity in a process separate from histone acetylation. **Golding SE***, Taher MM, Bullock SK, Paik DS, Hershey CM, Valerie K.

RESEARCH ABSTRACTS

(* denotes undergraduate researchers)

April 2nd, 2012 – American Association of Cancer Researchers Annual Meeting 2012, Chicago, IL. Targeting the ATM kinase as a novel strategy for radiosensitizing glioblastoma multiforme in mice. **Biddlestone-Thorpe L**, Muhammad S, Rosenberg EA, **Golding SE**, Adams BR, Tokarz M, Khalil A, Gilfor D, O'Connor MJ, Valerie K. Abstract # 1450

November 10-12th 2011 - Annual Biomedical Research Conference for Minority Students, St Louis, Missouri
shRNA-Mediated Knock-down of Ataxia Telangiectasia Mutated. **Allen JL***, **Golding SE**, Valerie K.

November 7th, 2011 – Massey Cancer Center Research Retreat. Targeting the ATM kinase as a novel strategy for radiosensitizing glioblastoma multiforme in mice. **Biddlestone-Thorpe L**, Muhammad S, Rosenberg EA, **Golding SE**, Adams BR, Tokarz M, Khalil A, Gilfor D, O'Connor MJ, Valerie K.

November 7th, 2011 - Massey Cancer Center Research Retreat. shRNA-Mediated Knock-down of Ataxia Telangiectasia Mutated. **Allen JL***, **Golding SE**, Valerie K.

November 7th, 2011 - Massey Cancer Center Research Retreat. ATM mediates the decatenation checkpoint in human embryonic stem cells. Beckta JM, **Golding SE**, Valerie K.

October 2nd- 6th 2011 – 53rd Annual meeting of American Society for Radiation Oncology (ASTRO), Miami, FA. *In Vivo* and *In Vitro* Human Brain Tumor Models for Improving the Therapeutic Ratio of Ionizing Radiation and DNA Repair Inhibitors. **Adams BR**, **Golding SE**, Thorpe LB, Beckta JM, Saleh H, Enikolopov G, Valerie K.

July 29th, 2011 – American Brain Tumor Association Annual Patient Connections meeting, Chicago, Illinois. Dynamic inhibition of ATM kinase provides a strategy for glioblastoma multiforme radiosensitization. **Golding SE**, Rosenberg E, Adams BR, Wignarajah S*, Beckta, JM, O'Connor MJ, and Valerie K.

October 28th, 2010 - Massey Cancer Center Research Retreat 2010. The ATM kinase inhibitor KU-60019 quickly, completely, and reversibly inhibits the DNA damage response at sub-micromolar concentrations. **Golding SE**, Rosenberg BA, Wignarajah S*, O'Connor MJ, Van Meter T, and Valerie K.

September 25th-29th 2010 – 56th Annual Meeting of the Radiation Research Society. Maui, HI. The ATM kinase inhibitor KU-60019 quickly, completely, and reversibly inhibits the DNA damage response at sub-micromolar concentrations. **Golding SE**, Rosenberg EA, Wignarajah S*, O'Connor MJ, Van Meter T, Valerie K.

April 17th-21st 2010 – 101st Annual Meeting of the American Association of Cancer Researchers. Washington, DC. ATM and KAP1 are required for nonhomologous end-joining in transcriptionally active chromatin. Hawkins AJ, White DE, **Golding SE**, Akopiants K, Rauscher FJ, Povirk LF, Valerie K. *Proc Amer Cancer Res 2010*;

September 21-25th 2008 – 54th Annual Meeting of the Radiation Research Society. Massachusetts Convention Center. Boston, MA. DNA double-strand break repair in embryonic stem cells. **Adams BR**, **Golding SE**, Rao R, Kordula T, Valerie K. Abstract #PS3435, p61.

April 12-16th 2008 – 99th Annual Meeting of the American Association of Cancer Researchers. San Diego, CA. Oncogenic EGFRvIII promotes tumor growth by up-regulation of double-strand break repair. **Golding SE**, Morgan RN*, Povirk LF, Valerie K. *Proc Amer Cancer Res 2008*; 49:1454.

November 5-8th 2006 - 53rd Annual Meeting of the Radiation Research Society. Philadelphia Convention Center, Philadelphia, PA, USA. The role of BRCA1 serine 1387 phosphorylation in the DNA damage response. **Dever SM**, **Golding SE**, Rosenberg EA, Valerie K.

September 11th 2006 - The 2006 international workshop on Ataxia Telangiectasia and ATM. The Banff Centre, Banff, Alberta, Canada. ERK signaling regulates ATM, Homologous Recombination repair, and the DNA damage response. **Golding SE**, Rosenberg EA, Dent P, Povirk LF, Valerie K.

June 16th 2006 - Massey Cancer Center Research Retreat 2006. VCU, Richmond, VA. ERK and ATM interact to mediate homologous recombination repair and the DNA damage response. **Golding SE**, Rosenberg EA, Neill S, Dent P, Povirk LF, Valerie K.

April 1-5th 2006 - 97th Annual Meeting of the American Association of Cancer Researchers. Washington Convention Center, Washington, DC, USA. MAPK signaling pathways positively and negatively regulate homologous recombination repair. **Golding SE**, Neill S, Dent P, Povirk LF, Valerie K. *Proc Amer Assoc Cancer Res 2006;47:4385*.

April 16-20th 2005 - 96th Annual meeting of the American Association of Cancer Researchers, Anaheim Convention Center, Anaheim, CA. Modulation of DNA double-strand break repair through ATM-dependent and - independent ERK signaling. Khalil A, **Golding SE**, Rosenberg EA, Valerie K. *Proc Amer Assoc Cancer Res 2005;46:3520*.

April 8th 2004 - The 7th Graduate Student Association research symposium. VCU, Richmond, Virginia, USA. Up-regulation of Homologous recombination repair by ATM in DNA-PKcs deficient human glioblastoma cells. **Golding SE**, Povirk LF, Valerie K.

October 22nd-23rd 2003 - The Twentieth Annual Daniel T. Watts Research Posters Symposium.VCU, Richmond, Virginia, USA. Enhanced homologous recombination repair in DNA-PKcs-deficient human glioblastoma cells. **Golding SE**, Khalil A, Rosenberg EA, Randolph AL, Povirk LF, Valerie K.

July 11th-14th-2003 - 94th Annual meeting of the American Association of Cancer Researchers. Washington Convention Center, Washington, D.C., USA. Signaling through the ATM pathway regulates homologous repair but not non-homologous end-joining in human glioma cells. **Golding SE**, Rosenberg EA, Khalil K, McEwen A*, Holmes M, Povirk L, Valerie K. *Proc Amer Assoc Cancer Res 2003; 44 2nd edition:6165*

June 17th. 2003 - Massey Cancer Center Research Retreat 2003. VCU, Richmond, Virginia, USA. ATM regulates homologous recombination during double-strand break repair in a cell cycle-independent manner. **Golding SE**, McEwen A*, Rosenberg EA, Holmes MK, Neill S, Povirk LF, Valerie K.

June 2001 - Massey Cancer Center Research Retreat. VCU, Richmond, Virginia, USA. Trichostatin A Activates Immediate C-Jun Gene Expression Via The p42/44 Map Kinase Pathway And Increased Ap-1/Atf/Creb Activity In A Process Separate From Histone Acetylation. **Golding SE***, Taher MM, Bullock S, Paik D, Hershey C, Valerie K.

SERVICE EXPERIENCE

Departmental:

Standing Committees

2012-2017 Biology Undergraduate Curriculum Committee member

Ad-Hoc Committees

May –June 2020 Biology COVID-19 Planning group – Experiential Learning and Capstone sub-group
2017- Present Ad-Hoc Ph.D. Prospectus committee
2016-2017 Third Year Review committee member – Tricia Smith
October 2011 Ad Hoc Genetics Curricula Review committee

Search Committees

2016-2017 Search Committee member for 2 tenure-track positions (Physiology and Genetics)

Other

2012 – Present Create and manage VCU Department of Biology Facebook page

College:

Leadership:

2019 – Present Special Assistant to the Dean for Experiential Learning, College of Humanities and Sciences
2017-2019 Dean’s Fellow, College of Humanities and Sciences

Search Committees

Nov 2020-Jan 2021 Search Committee member for Assoc. Dean for Ugrads, College of Humanities and Science Dean's office
July 2017 Search Committee member Professional Writer, College of Humanities and Sciences Dean's Office
Nov 2012- April 2013 Search Committee member for General Chemistry Instructor, Chemistry Department

Ad-Hoc Committees

June – Oct 2020 Dean's COVID response: Research Working Group. This committee had significant summer workload

University:

Leadership

2020 – Present Co-Chair of the Relevant Experiential and Applied Learning (REAL) Curriculum committee
2018 – 2019 Co-Chair of the Relevant Experiential and Applied Learning (REAL) Task Force
2018 - Present UWE/VCU partnership Liaison – International Program Development and Implementation
Since March 2018 (after the death of Jan Chlebowski) act as the VCU –UWE Placement Liaison to support the implementation of the UWE/VCU research student placement program and the advancement of the UWE /VCU Partnership Program. Since 2002, have acted as a consultant/alumni representative at a number of University functions (both at VCU and UWE) to promote this exchange program, and as an advisor and host to British students coming to study at VCU.

Standing Committees

2018-2021 3-year term on the Presidents Special Awards Committee
2019-Present REAL Council Member: Curriculum Committee Member
2018-Present Biology representative to the National Scholarship Office (Goldwater, Fulbright, NSF-GRF)
2011 – Present VCU Undergraduate Research Advisory Committee (URAC), Office of Research and Innovation
2013 – 2017 VCU Global Learning Advisory Panel member, Global Education Office
2010 - 2011 VCU Postdoctoral Association - Policy Committee, Co-Chair
2009 - 2011 VCU Postdoctoral Association - International Committee member
2009 - 2011 VCU Postdoctoral Association - Executive Committee member

Ad-Hoc Committees

March 2022-23 Academic Success Advisory Council
April 2020 – Dec 2021 University Incident Coordination Team: Community Engagement and Experiential Learning sub-committee
This committee was created in response to the COVID-19 outbreak. We helped to provide information on the student footprint outside of the classroom, and develop safety advisement for that student population. This committee had significant summer workload.
2016-2017 Member of REAL Initiative “Discover” sub-committee, Provosts Office of Academic Affairs
Fall 2016 VCU Medical School Interviewer
Fall 2015 Reviewer for VCU Small Post-Doctoral Research Grant, Office of Research and Innovation
April 2014 Reviewer for VCU-Quest Global Impact Awards - Study Abroad and Virtual Global Classroom
June 2012 Ad Hoc Committee “Defining Undergraduate Research for Quest”, Office of Research and Innovation
January 2012 Undergraduate research in STEM at VCU Think Tank member
October 2011 VCU Research Week Organizing Committee

Search Committees

March 2022 – present Search Committee member for Vice President for Student Affairs
2019 Search Committee member STEM and Health Career Advisor, VCU Career Services
2017-2018 Search Committee member Assistant Vice Provost for REAL, Provosts Office of Academic Affairs
April –Oct 2016 Search Committee member for Senior Vice Provost for Student and Faculty Affairs

Students:

Standing Committees

2013 – Present VCU Post-Baccalaureate Research Program (PREP) Admissions committee member
2011 – Present VCU Center on Health Disparities Research Training Steering Committee
2011 – Present VCU Initiative to Maximize Student Diversity (IMSD) admissions committee chair
2011 – 2016 VCU Minority Access to Research Careers (MARC) admissions committee member

Ad-Hoc Committees

2015 – Present Diversity Scholars in Research Week Organizing Committee
May 2012 & 2013 Poster Judge, VCU “Launch”, Research Week
April 2012 & 2013 VCU Center on Health Disparities Summer research programs admissions committee
October 2011 Poster Judge, Integrated Cellular and Molecular Signaling Research Symposium, VCU.

Other:

2014-2017 Faculty Advisor for the “Undergraduate Chapter of the American Association for Biochemistry and Molecular Biology (ASBMB)
2011 – 2015 Faculty Advisor for the “Student Research Organization”
October 2016 Provided faculty support for a student-organized regional ASBMB undergraduate research meeting (40 students from VCU, VUU, U of R, and JTCC)

Professional:

Leadership

August 2019-present National IMSD Undergraduate representative on the NIGMS Training and Workforce Development Program Directors Organization
Elected by a collection of IMSD undergraduate program directors to act as the voice of the IMSD undergraduate program on the Training and Workforce Development (TWD) Program Directors leadership board. This board reports to the NIGMS TWD program directors to enhance communication between the funding body and national network of research training programs.

May 2016 Co-Chair of the 4th Annual Mid-Atlantic PREP and IMSD research symposium hosted by VCU
~150 participants from 8 universities across the Mid-Atlantic

External Advisor

January 2019-Present External Advisory Board Member for the Maximizing Access to Research Careers Program
Old Dominion University, Norfolk, VA.

July 2014 External reviewer for VCU School of Medicine certificate program 2 days

Reviewer

Ad Hoc reviewer for Teaching and Learning in Medicine, Taylor & Francis group.

Other

May 2015 & 2017 Judge at Mid-Atlantic IMSD and PREP Research Symposium
April 2013 2013 VA-NC LSAMP (Louis Stokes Alliance for Minority Participation) Symposium
Oral Presentation Judge

Service-related presentations:

Hull LC, Shapiro B, Murdock W, Hawkins A, Kobel C, Falenski K, **Golding SE**, Mohanraj L, Koka S, Thorpe LB, and Kienzle J. First Year as a Postdoctoral Association at Virginia Commonwealth University: Progress and Future Goals [abstract]. Presented at: 9th Annual National Postdoctoral Association Meeting; 2011 March 25-27; Bethesda, MD.

Mohanraj L, Choi MJ, Jackson KJ, Sayers K, Kahlon A, Maguma HT, Jurgens C, Rajagopal S, Hull LC, **Golding SE**, Hawkins AJ, Shapiro B. Year Two as a Postdoctoral Association at Virginia Commonwealth University: Enhancing the Postdoctoral Experience at Our University. [abstract] Presented at 10th Annual National Postdoctoral Association Meeting; 2012 March 16-18; San Francisco, CA.

ADDITIONAL TRAINING AND PROFESSIONAL DEVELOPMENT

November 2011-19 Annual Biomedical Research Conference for Minority Students. The conference includes faculty development and training sessions as well as program director meetings for NIH training grants

May 2013 - 19 Mid-Atlantic IMSD, and PREP Alliance Research Symposium, Virginia Tech, Blacksburg, VA.

May 23-25th, 2012 Council on Undergraduate Research: Initiating & Sustaining Undergraduate Research Programs Institute, University of Michigan, Ann Arbor, MI

December 13th, 2013 Standards of Good Practice Workshop: Student Learning, Development and the Academic Framework of Education Abroad. Natalie Mello, the Vice President for Member Services and Training of the Forum of Education Abroad. VCU

August 28-30th 2013 Vision and Change in Biology Education meeting. Washington, DC

September 17 th , 2013	Research Ethics for Undergraduate research programs. Webinar hosted by Council on Undergraduate Research
March 13 th , 2014	Building, and Sustaining a Diverse Student Body. Webinar hosted by the Society for Neuroscience.
April 18 th , 2014	VCU STEM-H Education Summit, Richmond, VA.
October 22 nd , 2014	Unconscious Bias, and Micro-aggression in the Academy: How Can I Help? Interactive Workshop. VCU
January-October 2015	Grace E. Harris Leadership Development Institute 10-month leadership development program at Virginia Commonwealth University
August 24 th , 2016	National Research Mentor Network - Research Mentor Training, VCU Rice Rivers Center, Richmond, VA
September 12 th , 2016	Unconscious Bias Training - Rosalyn Taylor O'Neal of Cook Ross, VCU, Richmond, VA
June 2017	4 day Training and Workforce Development Conference hosted by the NIH-NIGMS, Baltimore, MD
October 19 th , 2017	Conflict Resolution Training - Wayne Blair, Ombudsperson at the University of North Carolina at Chapel Hill
January, 8-9 th , 2018	Building Inclusive Communities – Jan Altman, VCU, Richmond VA
November 2018	Course Based Undergraduate Research Workshop, REIL-Biology, Indianapolis, IN
July 2019	4 day Training and Workforce Development Conference hosted by the NIH-NIGMS, Baltimore, MD
April 2020	CTLE Inclusion in a Online environment workshop
July 2020	CTLE Priviledge and Teaching Seminar
Oct 2020	HHMI Inclusive Excellence Annual Conference
Nov 2020	AAC&U Transforming STEM Education Conference