KATHRYN M. BURLESON, Ph.D.

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EDUCATION

Postdoctoral Fellowship, Minnesota Craniofacial Research Training Program 2004-2007
University of Minnesota, Twin Cities

Ph.D. in Molecular, Cellular, Developmental Biology, and Genetics 2004
University of Minnesota, Twin Cities

B.A. summa cum laude in Biochemistry 1999
The College of St. Scholastica, Duluth, MN

TEACHING EXPERIENCE

Senior Lecturer of Biology, Hamline University 2009-present
BIOL 1120 Biology of Human Function lecture and lab
BIOL 1150 Biology of Women lecture and lab
BIOL 1510 Integrated Concepts in Biology lecture and lab
BIOL 1820 Principles of Plant and Animal Physiology lab
BIOL 1980: Inclusive Science
EXSC 3210 Human Anatomy and Physiology 1 lecture and lab
EXSC 3220 Human Anatomy and Physiology 2 lecture and lab
BIOL 3820 Biochemistry lab
BIOL 3980 Human Physiology lecture and lab
BIOL 3980 Cancer Biology lecture and lab
BIOL 5900 Molecular Cell Biology lecture and lab
BIOL 5600 Developmental Biology lab
FSEM 1010 The Enemy Within: Cancer and Its Controversies
FSEM 1010 The Data Inside You

Affiliate Faculty of Public Health Sciences, Hamline University 2017-2022

Affiliate Faculty of Women's Studies, Hamline University 2009-2014

Visiting Assistant Professor of Biology, Hamline University 2008-2009

Visiting Assistant Professor of Biology, University of St. Thomas 2007-2008
BIOL 204 Cellular and Molecular Biology lecture and lab
BIOL 371 Cell Biology lecture and lab
BIOL 101 General Biology lab

Genetics, Cell Biology, and Development Department, University of Minnesota
Teaching Assistant, GCB 4025 Cell Biology lab 2000, 2001

Biology Department, The College of St. Scholastica
Teaching Assistant, BIO103 Cell Biology lab 1997-1999

Chemistry Department, The College of St. Scholastica
Teaching Assistant and Tutor, CHM111-113 Inorganic Chemistry lab 1998-1999
Teaching Assistant, CHM102-103 Introduction to Chemistry and Biochemistry lab 1997-1998

PRE-HEALTH ADVISOR 2010-present

Responsibilities include advising students, holding information sessions, maintaining credential files for medical school applicants, and writing committee letters for medical school applicants from Hamline.

ADDITIONAL TEACHING EXPERIENCES

Facilitator of the Step UP! Bystander Intervention Program 2018-current

Step UP! is a prosocial behavior and bystander intervention program that teaches participants how to be proactive in helping others. I train faculty, staff, and students as well as lead campus trainings.

Developed a workshop on gender and science May 2013

In what ways can the sciences engage in a dialogue with the humanities? And how can gender studies faculty work alongside biologists to create compelling interdisciplinary courses? In this workshop, participants brainstorm overall approaches to designing biology and gender courses, including syllabi, assignments, and labs. There is also discussion of the benefits of storytelling in science, the variety of course materials available, examples of assignments that include service-learning projects, and opportunities and challenges instructors should consider in course design.

Certified facilitator of the Green Dot violence prevention curriculum 2012-2018

Green Dot is a violence-prevention curriculum based on bystander intervention. My training in the curriculum allows me to facilitate a 6-8 hour Bystander Training Workshop as well as give a 15-60 minute Overview Speech focused on the Green Dot strategy.

$tart $mart Workshop facilitator, Hamline University March 2010, November 2011

$tart $mart is a collaboration between the WAGE project and AAUW seeking to eliminate the wage gap by educating students entering the job market. I offer a 3-hour workshop teaching undergraduate students how to research positions and salaries, benchmark their worth based on their skills and experiences, develop a budget, and practice strategies for salary negotiation.

Certified by the Preparing Future Faculty (PFF) Program, University of Minnesota May 2007

As part of my training, I taught three lectures at the College of St. Catherine, and co-facilitated PFF classes on managing classroom dynamics and the role of honors programs in undergraduate education. The PFF program equipped me to assess student learning, develop student-centered education, practice active learning techniques, address diversity, and adapt to different learning styles.

TEACHING INTERESTS

General and introductory biology, cell biology, molecular biology, cancer biology, human biology, anatomy and physiology, gender and science, science and society, interdisciplinary classes

HONORS

Hamline College of Liberal Arts Alumni Board Outstanding Faculty Award 2020

Scholarship of Teaching & Learning Grant for *Modeling Nervous System pathways: an active learning project for anatomy and physiology*, Hamline University 2018

Social Justice Award from the Wesley Center for Spirituality, Service, and Social Justice 2016
Hamline University

John Wesley Trustee Award for Faculty, Hamline University 2015

Spectrum Violet Award for significant contribution to Hamline's LGBTQIA community 2014

Anna Arnold Hedgeman Center Outstanding Faculty Award, Hamline University 2012

Omicron Delta Kappa leadership honors society, Hamline University 2010

Ruth L. Kirchenstein National Research Service Award (post-doctoral fellowship) 2004-2007
University of Minnesota

Marshall H. and Nellie Alworth Scholar 1995-2003

American Association for Cancer Research Scholar-in-Training Award 2002

Masonic/Dietz Family Award for Educational Travel 2002
From the University of Minnesota Cancer Center

Mary Haga Travel Award 2002
From the Graduate Women in Science's Sigma Delta Epsilon Society, University of Minnesota

Award for Outstanding Achievement in Biochemistry 1999
The College of Saint Scholastica, Duluth, MN

Award for Outstanding Achievement to the Natural Science Club 1999
The College of Saint Scholastica, Duluth, MN

3M Undergraduate Summer Research Fellowship 1998
In the laboratory of Dr. Paul Stein, The College of St. Scholastica, Duluth, MN

Dean's List, College of Saint Scholastica, Duluth, MN 1995-1999

PROFESSIONAL EXPERIENCE

Director of Undergraduate Curriculum, Hamline University 2022-present

Chair of the Diversity, Equity, and Inclusion Committee (DEI) 2020-present
Human Anatomy and Physiology Society

Head of the Diversity, Equity, and Inclusion Group (DIG) Task Force 2018-2020
Human Anatomy and Physiology Society

Editor for the curriculum section of *Journal of Microbiology and Biology Education (JMBE)* 2018-2020

Section Editor for the curriculum section of *JMBE* 2014-2018

Director of the Women's Resource Center, Hamline University 2014-2018

Curriculum and Instruction Committee, HAPS 2015-2018

PROFESSIONAL ACTIVITIES

American Physiology Society (APS) 2020-2021

American Society for Microbiology (ASM) 2018-present

Human Anatomy and Physiology Society (HAPS) 2014-present

National Women's Studies Association 2014-2017

Reviewer on the editorial board of the *Journal of Microbiology and Biology Education* 2012-present

Reviewer for the National Center for Case Study Teaching in the Sciences 2017-present

NCORE team member, Hamline University 2011-2012

- Organized the NCORE spring program series "The School to Prison Pipeline"
- Organized the NCORE mini-conference "The Changing Face of Race and Racism in the U. S."

Moderator, ACTC Women's Studies Student Conference 2011, 2013, 2014

Career Development Grant Panelist (Chair 2013), AAUW Educational Foundation 2007-2013

Member of the Introductory Biology Project, sponsored by the National Science Foundation 2010

Grand Judge, Minnesota Academy of Science State Fair 2007

Minnesota Microscopy Society 2003-2006

Associate Member of the American Association for Cancer Research 2002-2006

President of the Natural Science Club, College of Saint Scholastica 1997-1999

Volunteer for (K)nights in Science Armor program, College of St. Scholastica, Duluth, MN 1997-1999

American Association of University Women (AAUW) 1995-2016

- President of the Northeast Metro AAUW, 2007-2011

COMMITTEE WORK

5C Curricular Change Committee (consisting of reps from AAC, FIRC, PDC, UCC, and UCAC) 2021-2022

Planning and Development Committee, Hamline University 2021-present

Undergraduate Curriculum Committee, Hamline University 2020-present

Hamline Conduct Board 2020-present

Executive Committee for Step UP!, Hamline University 2018-present

Sexual Violence Prevention Task Force, Hamline University 2012-present

Hamline Wellness Committee 2018-2020

Biology Neuroscience Faculty Search Committee, Hamline University 2017-2018

Psychology Neuroscience Faculty Search Committee, Hamline University 2017-2018

Diversity Initiatives Steering Committee (DISC), Hamline University 2013-2018

- DISC co-chair 2015-16

Multicultural and Diversity Initiative Task Force 2016-2017

Common Read Selection Committee, Hamline University 2015-2017, 2019

Public Health Sciences Faculty Search Committee, Hamline University 2012-13, 2015-16

Exercise Science Faculty Search Committee, Hamline University 2014-15, 2015-16

Cultural Breadth Task Force, Hamline University 2012-2014

Women's Studies Advisory Committee, Hamline University 2009-2014

Search Committee for the Assistant Director of Gender and Sexual Orientation Initiatives and Deputy Title IX Coordinator at Hamline University 2014

Benefits Advisory Committee, Hamline University 2010-2012

Disability Services Director Search Committee, Hamline University 2011

Health Sciences Committee, Hamline University 2011

College of Biological Sciences Educational Policy Committee, University of MN 2000-2002

Student Representative, Presidential Search Committee, The College of St. Scholastica 1999

RESEARCH EXPERIENCE

Advisor of undergraduate research project 2021
Hamline University, St. Paul, MN
Advised two undergraduate students on diversity of images in anatomy and physiology textbooks

Advisor of undergraduate research project 2008
The University of St. Thomas, St. Paul, MN
Advised two undergraduate biology students on creation of organotypic cultures for dental research.

Postdoctoral fellow in the laboratory of Mark Herzberg 2006-2007
Department of Biological and Diagnostic Sciences, University of Minnesota, Minneapolis
The role of calprotectin in innate immunity.

Postdoctoral fellow in the laboratory of Dr. Sundaram Ramakrishnan 2004-2006
Department of Pharmacology, University of Minnesota, Minneapolis.
Noscapine alters tube formation and multidrug resistance in human umbilical vein endothelial cells.

Graduate research assistant in the laboratory of Dr. Amy Skubitz 2000-2004
University of Minnesota, Department of Laboratory Medicine and Pathology, Minneapolis.
Determination of the metastatic potential of ovarian carcinoma spheroids.

Graduate rotation in the laboratory of Dr. Electra Coucouvanis 1999-2000
Department of Genetics, Cell Biology, and Development, University of Minnesota, Minneapolis.
FAK involvement in programmed cell death in the early mouse embryo.

Graduate rotation in the laboratory of Dr. William Shawlot 1999
Department of Genetics, Cell Biology, and Development, University of Minnesota, Minneapolis.
sFRP2 expression in the early mouse embryo.

Graduate rotation in the laboratory of Dr. Amy Skubitz 1999
Department of Laboratory Medicine and Pathology, University of Minnesota, Minneapolis.
Migration of ovarian carcinoma cells towards extracellular matrix components.

Undergraduate research assistant in the laboratory of Dr. Paul Stein 1998
Chemistry Department, College of St. Scholastica, Duluth, MN.
The binding activity of Solanum tuberosum *agglutinin.*

PROFESSIONAL DEVELOPMENT

Human Anatomy and Physiology Society Annual Conference in Ft. Lauderdale, FL 2022

Human Anatomy and Physiology Society Virtual Annual Conference 2021

Equity in Action: Cultivating *Antiracist* Universities, University of St. Thomas 2021

Human Anatomy and Physiology Society Virtual Annual Conference 2020

Introduction to Health Humanities online course series through the College of St. Scholastica 2020

Human Anatomy and Physiology Society Annual Conference in Portland, OR 2019

Faculty Disability Training with ALIVE, Hamline University 2019

Human Anatomy and Physiology Society Annual Conference in Columbus, OH 2018

Truth, Racial Healing, and Transformation Facilitator Training, Hamline University 2018

Human Anatomy and Physiology Society Annual Conference in Salt Lake City, UT 2017

American Association of Colleges and Universities (AAC&U) Diversity, Learning, and Student Success Conference in Jacksonville, FL 2017

Human Anatomy and Physiology Society Annual Conference in Atlanta, GA 2016

National Women Studies Association Annual Conference in Milwaukee, WI 2015

American Association of Colleges and Universities (AAC&U) Summer Institute on General Education, Edmond, Oklahoma 2015

Human Anatomy and Physiology Society (HAPS) Annual Meeting, San Antonio, TX 2015

HAPS Central Regional Meeting, Apple Valley, MN 2014

HAPS Annual Meeting, Jacksonville, FL 2014

Introductory Biology Project Summer 2012 Conference: Implementing Vision and Change at the Introductory Biology Level 2012

Inclusive Pedagogies: Health, Science, and Online WGST Discipline Conference, Century College, White Bear Lake, MN 2012

GLBT Safe Zone Training II, Hamline University 2012

Diversity as Disability workshop, Hamline University 2012

NCORE Annual Mini-Conference, Hamline University 2010-2016

Flashpoints of Diversity Workshop, Hamline University 2010

Introductory Biology Project Workshop, San Diego, CA, sponsored by National Science Foundation 2010

Start Smart Facilitator Training Workshop University of MN, sponsored by WAGE and AAUW 2009

GLBT Safe Zone Training, Hamline University 2008

PBWiki Instructional Tool Workshop, Hamline University 2008

Faculty Development Reading and Discussion Group: *The Skillful Teacher*, University of St. Thomas 2008

The Power of Questions as Drivers of Learning and Transformation, University of St. Thomas 2008

Faculty Development: Discussions on Teaching and Learning, University of St. Thomas 2007

Enhancing Student Learning: Conversations about Research and Practice, University of St. Thomas 2007

Preparing Future Faculty Program, University of Minnesota 2006-2007

Responsible Conduct of Research, University of Minnesota 2005

Preparing Future Faculty Retreat, University of Minnesota 2005

Mayo Clinic Angiogenesis Symposium: From Bench to Bedside to Bench , Rochester, MN 2004

Navigating the Road to a Successful Career in Cancer Research, AACR, Washington, D.C. 2004

Career Transition Mentoring Session, AACR, Washington, D.C. 2004

Developing Effective Oral Presentations , AACR, Washington, D.C. 2003

How to Get Your Papers Published in the Best Scientific Journals, AACR Professional Advancement Series, Washington, D.C. 2003

The Pathobiology of Cancer Workshop, AACR, Keystone, Colorado 2002

Short Course in the Responsible and Successful Conduct of Research, University of MN 2000

PUBLICATIONS

Burleson, K.M. "The Write Weight: Nutrition and Body Image." *National Center for Case Study Teaching in Science*, 2016.

Burleson, K.M and Olimpo, J.T. "ClueConnect: a word array game to promote student comprehension of key terminology in an introductory anatomy and physiology course." *Advances in Physiology Education*; 40(2): 223-228, 2016.

Burleson, K.M. and Martinez-Vaz, B.M. "Microbes in mascara: hypothesis-driven research in a nonmajor biology lab." *Journal of Microbiology and Biology Education*; 12(2): 166-175, 2011.

Burleson, K.M., Boente, M.P., Skubitz, A.P.N. "Disaggregation and invasion of ovarian carcinoma ascites spheroids." *Journal of Translational Medicine;* 4(6), 2006.

Burleson, K.M., Hansen, L.K., Skubitz, A.P.N. "Ovarian carcinoma spheroids disaggregate on type I collagen and invade live human mesothelial cell monolayers." *Clinical and Experimental Metastasis;* 21(8): 685-697, 2004.

Burleson, K.M., Casey, R.C., Skubitz, KM., Pambuccian, S.E., Oegema, T.R, Grindle, S.M., and Skubitz, A.P.N. "Ovarian carcinoma ascites spheroids adhere to extracellular matrix components and mesothelial cell monolayers." *Gynelogic Oncology*; 93(1): 170-181, 2004.

Hibbs K, Skubitz KM, Pambuccian SE, Casey RC, Burleson KM, Oegema TR Jr, Thiele JJ, Grindle SM, Bliss RL, Skubitz AP. "Differential gene expression in ovarian carcinoma: identification of potential biomarkers." *American Journal of Pathology;* 165(2): 97-414, 2004.

Casey, R.C., Burleson, K.M., Skubitz, KM., Pambuccian, S.E., Oegema, T.R, and Skubitz, A.P.N. "β1 Integrins Regulate the Formation and Adhesion of Ovarian Carcinoma Multicellular Spheroids" *American Journal of Pathology*; 159(6): 2071-2080, 2001.

ABSTRACTS

Burleson, K.M. "Modeling the Nervous System: An Active Learning Project." Program for the 35th Annual Conference of the Human Anatomy and Physiology Society, held virtually May 2021.

Cafferty, Patrick, Burleson K.M., Gharaibeh B, Van Hoomissen J., and Young L. "The HAPS Book Club Promotes Discussions of Equity and Builds Community." Program for the 35th Annual Conference of the Human Anatomy and Physiology Society, held virtually May 2021.

Burleson, K.M. "We Are HAPS." Accepted for the 34th Annual Conference of the Human Anatomy and Physiology Society, held virtually in May 2020.

Burleson, K.M. "Inclusion and equity in HAPS: What do we know and where should we go?" Accepted for the 34th Annual Conference of the Human Anatomy and Physiology Society, held virtually in May 2020.

Burleson, K.M. "Can You DIG It? Diversity and Inclusion Taskforce Membership Survey." Program for the 33rd Annual Conference of the Human Anatomy and Physiology Society, Portland, OR, May 2019.

Burleson, K.M. "DIGging Deeper: Diversity and Inclusion in HAPS." Program for the 33rd Annual Conference of the Human Anatomy and Physiology Society, Portland, OR, May 2019.

Burleson, K.M. "Science and society: anatomy and physiology in social context." Program for the 31st Annual Conference of the Human Anatomy and Physiology Society, Salt Lake City, UT, May 2017.

Burleson, K.M. "Express it and guess it: a word game to learn anatomy and physiology terms." Program for the 29th Annual Conference of the Human Anatomy and Physiology Society, San Antonio, TX, May 2015.

Burleson, K.M. and Ploger, B.J. "Developing departmental diversity initiatives using surveys as a tool to gauge biology classroom climate." Introductory Biology Project Summer Conference: Implementing Vision and Change at the Introductory Biology Level, Washington, D.C., June 2012.

Burleson, K.M. and Martinez-Vaz, B.M. "Microbes in Mascara: Hypothesis-Driven Research in a Non-Major Biology Lab." Proceedings of the *17th Annual ASM Conference for Undergraduate Educators*; May 2010.

Burleson, K.M. and Skubitz A.P.N. "Ovarian carcinoma spheroids demonstrate an invasive potential." *Proceedings of the American Association for Cancer Research*; Vol. 45, March 2004.

Burleson, K.M., Casey, R.C., Grindle, S.M., Pambuccian, S.E., Skubitz, K.M. Oegema, T.R., and Skubitz, A.P.N. "Multicellular spheroids from ovarian carcinoma ascites samples adhere to extracellular matrix molecules and mesothelial monolayers." *Proceedings of the American Association for Cancer Research;* 44:226, March 2003.

Skubitz, A.P.N., Hibbs K., Casey R.C., Burleson K.M., Pambuccian S.E., Oegema T.R., Grindle S.M., Skubitz K.M. "Novel molecular markers for ovarian carcinoma." Ovarian Cancer Research Symposium: Integration of Research & Treatment, Seattle, WA, 2002.

Burleson, K.M., Casey, R.C., Pambuccian, S.E., Skubitz, K.M., Oegema, T.R., and Skubitz, A.P.N. "Comparison of ovarian carcinoma multicellular spheroids from cell lines and patient ascites: do spheroids have metastatic potential?" AACR Pathobiology of Cancer Workshop, Keystone, CO, 2002.

Burleson, K.M., Casey, R.C., Grindle, S.M., Pambuccian, S.E., Skubitz, K.M. Oegema, T.R., and Skubitz, A.P.N. "Ovarian carcinoma ascites spheroids are capable of adhesion to extracellular matrix proteins and mesothelial monolayers." AACR Proteases, Extracellular Matrix, and Cancer Conference, Hilton Head Island, SC, 2002.

Casey, R.C., Burleson, K.M., Skubitz, KM., Pambuccian, S.E., Oegema, T.R, and Skubitz, A.P.N. "The formation, growth, and adhesion of ovarian carcinoma multicellular spheroids." *Proceedings of the American Association for Cancer Research;* 42:147, 2000.

SELECTED PRESENTATIONS

Modeling the Nervous System: An Active Learning Project.
Workshop at the Human Anatomy and Physiology Society Annual Conference
Held virtually May 23-26, 2021

The HAPS Book Club Promotes Discussions of Equity and Builds Community. Workshop at the Human Anatomy and Physiology Society Annual Conference
Held virtually May 23-26, 2021

Who Are We? HU Biology Department Diversity Survey 2020
BioEx Seminar, Hamline University
Hamline University, St. Paul, MN September 11, 2020

Diversity, Equity, and Inclusion (DEI) Town Hall
Held virtually for the Human Anatomy and Physiology Society, July 28, 2020

Can You DIG It? Diversity and Inclusion Taskforce Membership Survey
Poster at Human Anatomy and Physiology Society Annual Conference
Portland, OR, May 22-26, 2019

DIGging Deeper: Diversity and Inclusion in HAPS
Workshop at Human Anatomy and Physiology Society Annual Conference
Portland, OR, May 22-26, 2019

Wait, Wait! Don't Tell Me! — HAPS Style
Panel at Human Anatomy and Physiology Society Annual Conference
Portland, OR, May 22-26, 2019

Science and society: anatomy and physiology in social context
Workshop at Human Anatomy and Physiology Society Annual Conference
Salt Lake City, UT, May 24-28, 2017

Focus Group on HAPS Student Learning Outcomes: Come Share Your Insights!
Workshop at Human Anatomy and Physiology Society Annual Conference
Atlanta, GA, May 21-25, 2016

Beyond the Clery Act: The Undergraduate Campus Climate Survey and Sexual Violence Prevention
Panel presentation at National Women Studies Association (NWSA) Annual Conference
Milwaukee, WI, November 2015

Express it and guess it: a word game to learn anatomy and physiology terms
Workshop at the HAPS Annual Conference
San Antonio, TX May 23-27, 2015

Developing departmental diversity initiatives using surveys as a tool to gauge biology classroom climate
Poster at the Introductory Biology Project Summer Conference
Washington, D.C. June 28-July 1, 2012

Microbes in Mascara: Hypothesis-Driven Research in a Non-Major Biology Lab
Poster at the 17th Annual American Society for Microbiology Conference for Undergraduate Educators
San Diego, CA, May 22, 2010

Ovarian cancer: the silent killer
Seminar for the Biology Department
Hamline University, St. Paul, MN October 3, 2008

The effect of noscapine on endothelial cells
Seminar for the Minnesota Craniofacial Research Training Program
University of MN, Minneapolis, September 25, 2005

Determination of the metastatic potential of ovarian carcinoma spheroids
Public thesis defense for the MCDB&G program
University of MN, Minneapolis, October 19, 2004

Ovarian carcinoma spheroids demonstrate an invasive potential
Poster Session at the 95th Annual Meeting of the American Association for Cancer Research
Orlando, FL, March 3, 2004

Defining the role of spheroids in ovarian carcinoma dissemination
Seminar for the Cancer Biology Research Club, University of MN, Minneapolis, November 21, 2003

Spheroids in ovarian cancer dissemination
Interactive Television Seminar, Molecular, Cellular, Developmental Biology & Genetics Program
University of Minnesota, Minneapolis and St. Paul, September 22, 2003

Multicellular spheroids from ovarian carcinoma ascites samples adhere to extracellular matrix molecules and mesothelial monolayers
Poster Discussion Session at the 94th Annual Meeting of the American Association for Cancer Research
Washington D.C., July 13, 2003

Ovarian Carcinoma Ascites Spheroids Adhere to Extracellular Matrix Proteins and Mesothelial Monolayers
Cancer Center Core Poster Session and Symposium, University of MN, Minneapolis, May 15, 2003

Multicellular Spheroid Adhesion in Ovarian Carcinoma
Interactive Television Seminar, Molecular, Cellular, Developmental Biology & Genetics Program
University of MN, Minneapolis and St. Paul, November 14, 2002

Adhesion of Patient Ascites Spheroids in Ovarian Carcinoma
Poster at the Molecular, Cellular, Developmental Biology & Genetics Retreat , University of MN, St. Paul, November 12, 2002

Ovarian Carcinoma Ascites Spheroids Are Capable of Adhesion to Extracellular Matrix Proteins and Mesothelial Monolayers
Poster at the AACR Proteases, Extracellular Matrix, and Cancer Conference, Hilton Head Island, SC, October 10, 2002

Comparison of Ovarian Carcinoma Multicellular Spheroids From Cell Lines and Patient Ascites: Do Spheroids Have Metastatic Potential?
Cancer Center Core Poster Session and Symposium, University of MN, May 16, 2002

Spheroids in Ovarian Cancer Metastasis
Interactive Television Seminar, Molecular, Cellular, Developmental Biology & Genetics Program
University of MN, Minneapolis and St. Paul, March 4, 2002

The Metastatic Potential of Ovarian Carcinoma Spheroids
Poster at the Molecular, Cellular, Developmental Biology & Genetics Retreat, University of MN, Minneapolis, October 12, 2001

The Metastatic Potential of Ovarian Carcinoma Spheroids
Interactive Television Seminar, Molecular, Cellular, Developmental Biology & Genetics Program
University of MN, Minneapolis and St. Paul, April 2001

Spheroids: A 3-D Model of Ovarian Carcinoma
Poster at the Molecular, Cellular, Developmental Biology & Genetics Retreat, University of MN, St. Paul, September 2000

FAK Involvement in Programmed Cell Death in the Early Mouse Embryo
Seminar for the Developmental Biology Department , University of MN, Minneapolis, February 2000

sFRP2 Expression in the Early Mouse Embryo
Seminar for the Developmental Biology Department, University of MN, Minneapolis, November 1999

The Binding Activities of Solanum Tuberosum *Agglutinin*
Undergraduate Research Seminar, July 1998, The College of St. Scholastica, Duluth, MN

INVITED TALKS

"Diversity, Equity, and Inclusion Panel" at the HAPS 36th Annual Conference, Fort Lauderdale, FL May 2022

"Focused Conversations: Disciplinary Breadth (Natural Science)". Winter Faculty Development Day, co-facilitated with Leif Hembre. Hamline University, January 2021

Panelist for "Teaching Synchronously Online," sponsored by the Center for Teaching and Learning. Hamline University, October 2020

Panelist for "Faculty Experiences with Canvas." Fall Faculty Development Day, co-facilitated with Kim Hartung and Austin Miller. Hamline University, August 2019

University Honors' Compelling Conversation, Hamline University, October 2017

"What's (D)ifferent about teaching the new Diversity Component of the Hamline Plan?" Winter Faculty Development Day, co-facilitated with Mike Reynolds and Kim McKeage. Hamline University, January 2016

January Diversity Faculty Development Series: Engaging Critical Questions in the Classroom—"Creating Inclusive Curricula and Responsive Classrooms." Organized by Diversity Initiatives, DISC Faculty Development Subcommittee, and the Center for Teaching and Learning, Hamline University, January 2016

"Me First: Exploring Identity in the Classroom." Sponsored by the Center For Teaching and Learning, Hamline University, November 2013

"Engaging the Liberal Arts: Why Biology Needs Gender." Workshop at Augustana College, Rock Island, IL. May 2013

Presentation on First-Year Seminars at the Center For Teaching and Learning workshop "High-Impact Learning at Hamline: A Faculty Showcase." Hamline University, May 2013

Panelist for the Chemical Engineering Graduate Women, University of MN, July 2013

Panelist for "Teaching Undergraduate Bioscience." University of MN, May 2013

Panelist on graduate school advice for the summer collaborative research students, Hamline University, 2012 and 2013

Panelist for the $tart $mart workshop at the State Convention of the American Association of University Women in Deerwood, MN, April 2012

Panelist on graduate school advice for students in the Anthropology department, Hamline University, November 8, 2010

QuickByte panelist: *Wikis in the Classroom,* sponsored by the Center for Teaching and Learning, Hamline University, October 5, 2010

What Is Pay Equity Day? Invited speaker, sponsored by the Feminist Majority Leadership Alliance (FMLA), Hamline University, April 20, 2010

HONORS THESIS COMMITTEES

Jessie Juenemann, Hamline University, May 2020

Ben Resnick, Hamline University, May 2020

Alexandra Lipinski, Hamline University, May 2012

William Hanold-Khoury, Hamline University, May 2010

MENTORSHIP

Owen Sloop, Teaching Apprenticeship, Hamline University, spring 2020

Jacob Perez, Teaching Apprenticeship, Hamline University, spring 2019

Shannon Canella, Junior Faculty Mentoring Program, Hamline University, 2016-2017

Anne Elstrom Park, Junior Faculty Mentoring Program, Hamline University, 2014-2015

Spencer Luebben, Preparing Future Faculty Program, University of Minnesota, Fall 2011

BIOSEMINAR ADVISEES

A Picture is Worth More Than a Thousand Words: Diversity in Anatomy and Physiology Textbooks
Kim Truong, Spring 2022

Representing the Real World: A Content Analysis of Anatomy and Physiology Textbooks
Sydney Larson, Spring 2022

Grip Strength as a Measure of Frailty in Elderly Adults
Theo Salzberg, Spring 2022

Low-Level Light Therapy as a Treatment in Patients with Moderate Traumatic Brain Injury
Nikki Johnsen, Spring 2022

The Impact of Individualistic Sports on Athletes' Depression Level Compared to Team-Based Sports
Tou Ger Xiong, Spring 2022

Praluent: an effective statin alternative
Tyler Dukowitz, Spring 2021

Effects of G127P Single Mutation on Catalytic Activity of MDH
Benjamine Soto, Spring 2021

Antimicrobial Resistance: A Global Public Health Threat and How Vaccines Will Help
Abigail Van Goethem, Spring 2021

Community and Belonging; Addressing Basic Needs on Hamline Campus
Alexa Beguhl, Spring 2021

Identifying College Women's Basic Needs for Sexual Safety and Autonomy through Photovoice
Ashley Hessler, Spring 2021

The Positive Effects of Mental Imagery on Athletes in a Rehabilitation Setting
Rachael Kissinger, Fall 2020

Changing the Culture of Food Access on Campus: Food Insecurity at a Small, Urban Private University
Meredith McCrady, Spring 2020

Are We Equal? The Unique Challenges of Extracurricular Activities for Muslim Youth in the U.S.
Aaisha Abdullahi, Spring 2020

A proposal to inadequate physical activity in Minneapolis public schools.
Becca Heer, Spring 2019

The investigation of how bacteria degrades Guanidine
Hailey Struthers, Spring 2019

Using bacteria in soil to estimate the postmortem interval of bones
Kayla Oates, Spring 2019

Modeling nervous system pathways: an active learning project for anatomy and physiology
Jacob Perez, Spring 2019

The complications of a fully closed loop insulin delivery system in adolescents with type 1 diabetes
Jacquelynn Sanders, Spring 2018

ALDH1A1 as a potential biomarker for pancreatic cancer
Alexandra Ehlenz, Fall 2017

Assessment of Compensated Turnout and its Relation to Musculoskeletal and Lower-Extremity Injuries in Dancers
Amanda Richie, Spring 2017

High Risk Patients Using Anti-Factor X Anticoagulants or Vitamin K Antagonists incidents of Secondary Clot or Abnormal Uterine Bleeding with Concurrent Hormonal Birth Control Use
Melissa Stenzel, Spring 2017

3D Bioprinting with Human Chondrocytes in a Nanocellulose-Alginate Bioink
Laura Murray, Spring 2016

Tissue iron deficiency without anemia impairs adaptations in endurance capacity after aerobic training in untrained women
Brenna Kennedy, Spring 2016

Sexual Dimorphism of the Lumbar Vertebrae as a Sex Determination Technique in Humans
Karla Neff, Spring 2016

Foldable-Capsular-Vitreous-Body filled with Silicone Oil as a New Treatment for Severe Retinal Detachment
Alyssa Richard, Spring 2016

The Role of TUBB3 in Axon Guidance
Genevieve Bern, Spring 2015

Vitamin D and its link to all-cause dementia and Alzheimer's disease
Courtney Cardinal, Spring 2015

Osteochondritis Dissecans: A Disorder of the Epiphysis
Dami Oshin, Spring 2015

nab-Paclitaxel plus Gemcitabine as Treatment for Metastatic Pancreatic Cancer
Gina Groshek, Spring 2015

Kinesiology Taping with Shoulder Impingement Syndrome
Marissa Smith, Spring 2014

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