

Michelle L Shine, PhD

Integrity – Relationships – Leadership – Value

EDUCATION

Doctor of Philosophy, Biomedical Science, Medical University of South Carolina, Charleston, SC, 2002

Dissertation entitled, "Roles for phospholipase D1 and phosphatidylinositol-4-phosphate 5-kinase in polarized cell growth in *S. cerevisiae* and *C. albicans*"

Bachelor of Science, Biology, Virginia Commonwealth University, Richmond, VA, *Magna Cum Laude*, 1994

PROFESSIONAL EXPERIENCE

CEO and Director of Research, Mana Gardening Institute, LLC
Jan 2015-present

Author, Mana Gardening Institute, LLC
Published 2017

- *Mana Gardening, Empower Yourself and Live a Better Life* by Keti Kamalani and Michelle Shine, PhD. Mana Gardening Institute, Kaneohe, HI. Book available on Amazon and Ingram and Taylor.
- *The Science of Imagination* by Michelle Shine, Ph.D. with Keti Kamalani. Mana Gardening Institute, Kaneohe, HI. 2015. Book available as PDF from website.

Co-founder, Mind Gardening 2007, Mana Gardening 2015

Consultant, Technical Writer, Bennett Aerospace, Inc.
Jan 2016-present

Proposal Manager, Bennett Aerospace, Inc., Federal Contractor, Cary, NC.
Dec 2014-Jan 2016

Scientific Consultant, Tissue Genesis, Inc., Honolulu, HI
Feb 2012-December 2012

CEO and Scientific Director, Mind Gardening, LLC

2008-present

Scientist, Tissue Genesis, Inc., Honolulu, HI

April 2006-Jan 2012

Senior Researcher, Tissue Genesis, Inc., Honolulu, HI

April 2004-2006

Technical Writer, Department of Human Nutrition, Food and Animal Sciences, University of Hawaii at Manoa, Honolulu, HI

February 2004-August 2004

ACADEMIC/TEACHING EXPERIENCE

Instructor, Mana Gardening Institute, LLC, telecourse format

Jan-April 2018. Access Your Inner Wisdom Through Imagination.

Instructor, Department of Biology, Warren Wilson College, Asheville, NC

Spring 2017. Human Biology (BIO1090) course.

Instructor, Asheville City Public Schools. Terrific Thursdays After School Program, Jones Elementary School, Asheville, NC.

April 7- May 12, 2016. Hawaiian Mana Gardening for Kids - Playful Imagination for children in Kindergarten-2nd grade course.

Instructor, Mana Gardening Institute, LLC, Asheville, NC

May 19, 2015-June 15, 2015. Mind Gardening to Activate your Sweetest Future- A Weekly Guided Course Using Mind Gardening Techniques to Create the Future You Desire

June 15, 2015

<https://www.facebook.com/events/806631476098862/>

June 08, 2015

<https://www.facebook.com/events/843140489115120/>

June 02, 2015

<https://www.facebook.com/events/1450016251979770/>

May 26, 2015

<https://www.facebook.com/events/1645009445745280/>

May 19, 2015

<https://www.facebook.com/events/851038574969287/>

Adjunct Instructor, Department of Art and Sciences, Biology, Asheville-Buncombe Technical Community College, Asheville, NC. *Fall 2013-Fall 2014*. Basic Anatomy and Physiology (BIO163) and Laboratory (BIO163L) courses.

Adjunct Instructor, Department of General Sciences, South College, Asheville, NC

Summer 2013. Microbiology for Surgical Technologists (MD250) course.

Adjunct Faculty, Department of Biology, University of North Carolina at Asheville
Spring 2013. Molecular and Cellular Biology Laboratory (BIO116L) course.

Adjunct Instructor, Department of General Sciences, South College, Asheville, NC
Fall 2012, Spring 2013. Principles of Biology (GS140) course.

Adjunct Assistant Professor, Department of Biology, Coastal Carolina University, Conway, SC, *Fall 2000.* Molecular and Cellular Biology with Laboratory courses.

Supervisor/Lab Manager, Medical University of South Carolina,
2000-2001

ACADEMIC HONORS AND AWARDS

- *Magna Cum Laude*, Virginia Commonwealth University, 1994
- *Dean's List*, Virginia Commonwealth University, 1992-1994
- *Golden Key National Honor Society*, Virginia Commonwealth University, inducted 1993
- *Scholarship Ring Award*, Attainment of 4.0 GPA for two consecutive semesters. Sigma Sigma Sorority, Virginia Commonwealth University, 1993
- *Highest GPA Award*, Sigma Sigma Sigma Sorority, Virginia Commonwealth University, 1992,1993

MEMBERSHIPS

- International Federation of Adipose Therapeutics & Science, IFATS
- International Society for the Study of Subtle Energies and Energy Medicine, ISSSEEM

RESEARCH FELLOWSHIPS

South Carolina State Graduate Research Fellow, Medical University of South Carolina,
1998-2003

- Awarded one of 12 stipends to attend and complete Biomedical Science studies and dissertation work

Visiting Scholar, Division of Biology, University of California, San Diego, San Diego, CA
2001-2002

- Acquired valuable insight while learning new techniques, developing protocols, and

designing experiments for the completion of original research for dissertation

PUBLICATIONS

Books:

- *Mana Gardening, Empower Yourself and Live a Better Life* by Keti Kamalani and Michelle Shine, PhD. Mana Gardening Institute, Kaneohe, HI. 2017
- *The Science of Imagination* by Michelle Shine, Ph.D. with Keti Kamalani. Mana Gardening Institute, Kaneohe, HI. 2015 (available as PDF from authors)

Refereed Journal Articles:

- Williams SK, Kosnik PE, Kleinert LB, Vossman EM, Lye KD, **Shine ML**. (2013) Adipose Stromal Vascular Fraction Cells Isolated using an Automated Point of Care System Improve the Patency of ePTFE Vascular Grafts. *Tissue Engineering Part A*. 19:11-12, 1295-302.
- **Hairfield-Stein M**, England C, Paek HJ, Gilbraith KB, Dennis R, Boland E, Kosnik P. (2007) Development of self-assembled, tissue engineered ligaments from bone marrow stromal cells. *Tissue Engineering*. 13:4, 703-710.
- Brown AC, **Hairfield ML**, Richards DG, McMillin DL, Mein EA, Nelson CD. (2004) Medical nutrition therapy as a potential complementary treatment for psoriasis- five case reports. *Alternative Medicine Review*. 9, 297-307.
<http://www.altmedrev.com/publications/9/3/297.pdf>
- **Hairfield ML** and Dolan JW. (2002) Phosphatidylinositol-4-phosphate 5-kinase is stimulated during temperature-induced morphogenesis in *Candida albicans*. *Microbiology*. 148, 1737-1746
- **Hairfield ML**, Ayers AB, Dolan JW. (2001) Phospholipase D1 is required for efficient mating projection formation in *Saccharomyces*. *FEMS Yeast Research*. 1, 225-232

Abstracts:

- Williams SK, Kleinert LB, Reed R, Lye K, **Stein M**, Kosnik P. Automated Point of Care Isolation of Adipose Derived Regenerative Cells for Tissue Engineered Vascular Grafts. The 8th annual meeting of the International Federation of Adipose Therapeutics & Science, October 2010
- **Stein M**, Paek H, Yang A, Iwami S, Cannon J, Sylvester R, Ryan E, Vossman E, Boland E, Williams S, Kosnik P. Comparative characterization of adipose-derived stromal cells isolated with the TGI 1000 automated method versus a standardized manual method. The 6th annual meeting of the International Federation of Adipose Therapeutics & Science, October 2008
- England C, Paek H, Kofron M, Vossman E, Gilbraith K, Kim C, Acob J, Erber E, **Hairfield-Stein ML**, Boland E, Dennis R, Kosnik P. Mechanical training biochamber for engineered ligoid constructs. Regenerate World Congress on Tissue Engineering and Regenerative Medicine, April 2006
- **Hairfield ML**, Westwater C, and Dolan JW. PLD1 activity stimulates a

phosphatidylinositol 4-phosphate 5-kinase during *Candida albicans* morphogenesis. Eighth Southeastern Regional Yeast Meeting, April 2001

- Dolan JW and **Hairfield ML**. Phospholipase D1 is required for efficient formation of mating projections in response to pheromone. Eighth Southeastern Regional Yeast Meeting, April 2001
- **Hairfield ML** and Dolan JW. Regulation of PLD1 in *Candida albicans*. Seventh Southeastern Regional Yeast Meeting, April 2000

PRESENTATIONS

- Mana Gardening - The Answers Lie Within, and Science of Imagination *Invited Retreat Leader*, The Creator God Retreat hosted by the Rode Institute, Synergida, Costa Rica, Aug 2018
- Mana Gardening - The Answers Lie Within, *Invited Presenter*, Kinnection Campout with Camp LovEvolution, Spirit Crossing, Sneedville TN, May 2018
<http://www.kinnectioncampout.org/camp-lovevolution/>
- Intro to Mind/Mana Gardening and Science of Imagination *Invited Presenter* at LovEvolution Festival, Blue Ridge Mountains, NC., annual events 2015, 2016, 2017, 2018
<http://www.theloveevolutionsolution.org/2016-schedule/>
<https://www.facebook.com/LovEvolutionSolution/?fref=ts>
- Mana Gardening, *Invited presenter*, Lake Eden Arts Festival, Black Mountain NC, 2017, 2018
- Mana Gardening on Mother's Day - Create Your Sweetest Life, *Invited presenter and CEU Instructor*, Prana at Fernview Center for Wellbeing, Anderson, SC, May 2018
- Mana Gardening: The Answers Lie Within, *Invited Presenter*, LoveBurn, Virginia Key, near Miami FL, Jan 2018
- Vocal Toning for Joy, *Invited Presenter*, LoveBurn, Virginia Key, near Miami FL, Jan 2018
- Science of Imagination, *Invited Presenter*, Zen Awakening, Wildwood, FL Nov 2017
<https://www.jambase.com/festival/zen-awakening-2017>
- Mana Gardening: The Answers Lie Within, *Invited Presenter*, Zen Awakening, Wildwood, FL Nov 2017
<https://www.jambase.com/festival/zen-awakening-2017>
- Mana Gardening and Science of Imagination, *Invited Presenter*, Sonic Bloom - The Unified Field, Hummingbird Ranch, CO June 2017
- [Unleash Your Inner Power](#), *Invited Presenter*, Live to Sing Again-An event for divorcees, Atlanta, GA, May 2017
- Hawaiian Mana Gardening *Invited Presenter* at the Mindfulness Festival, University of North Carolina at Asheville, Asheville NC., April 23, 2016.
<https://www.evensi.us/mindfulness-festival-2016-university-of-north-carolina-at/170939383>
<https://www.facebook.com/mindfulnessfest/>
- Hawaiian Mana Gardening, *Invited Presenter* at the RebEARTHing into Spring, South Carolina Botanical Garden, Clemson University, Clemson SC. April 16, 2016.
<https://www.facebook.com/events/1797615833800701/>
- Vocal Toning for Joy, *Invited Facilitator*, Big Glow Retreats: Black Mountain, NC Sept 2014; Boulder, CO April 2015; Burnsville, NC Dec 2015; Asheville, NC April 2016

- Adipose-derived Regenerative Cells for Tissue Repair, *Invited Speaker*, University of North Carolina at Asheville, Asheville, NC, February 2013
- Psychology and Medicine: The Answers lie Within, *Invited Speaker*, University of North Carolina, Asheville, Psychology and Life Series, Asheville, NC, August 2012
- Adipose-derived Regenerative Cells for Tissue Repair, *Invited Speaker*, Asheville-Buncombe Technical Community College, Asheville, NC, March 2012
- Consciousness 2.0 Your Guide to an Easy, Graceful, Conscious Evolution, *Invited Co-speaker*, The 21st annual meeting of the International Society for the Study of Subtle Energies and Energy Medicine (ISSSEEM), Westminster CO., June 2011
- Treatment of Rotator Cuff Tears by ADSC Therapy W81XWH-11-2-0172, Post Contract Award Meeting, *Speaker*, Tripler Army Medical Center, Honolulu, HI, December 2011
- Clinical Validation of Adipose-Derived Regenerative Cells for Tissue Repair W81XWH-10-2-0108, Post Contract Award Meeting, *Speaker*, Tripler Army Medical Center, Honolulu, HI, December 2010
- Treatment of Peripheral Vascular Disease by Adipose-Derived Stromal Cell Injection W81XWH-09-2-0007, Post Contract Award Meeting, *Speaker*, Tripler Army Medical Center, Honolulu, HI, April 2009
- Comparative Characterization of Adipose-Derived Stromal Cells Isolated with The TGI 1000 Automated Method versus a Standardized Manual Method. *Poster presentation*, The 6th annual meeting of the International Federation of Adipose Therapeutics & Science, October 2008
- Roles for PLD1 and MSS4 in Polarized Cell Growth in *S. cerevisiae* and *C. albicans*, *Speaker*, Medical University of South Carolina, 2002
- PLD1 Activity Stimulates a Phosphatidylinositol-4-phosphate 5-kinase during *Candida Albicans* Temperature-Induced Morphogenesis, *Speaker*, Southeastern Regional Yeast Meeting (SERYM), Hattiesburg, MS, April 2001
- PLD1 and MSS4 in *Candida albicans* Morphogenesis, *Speaker*, Medical University of South Carolina, January 2001
- Phospholipase D1 in *Candida albicans* Morphogenesis, *Poster Presentation*, Southeastern Regional Yeast Meeting (SERYM), Birmingham, AL, April 2000
- Phospholipase D1 in *Candida albicans* Morphogenesis, *Poster Presentation*, Student Research Day, Medical University of South Carolina, November 1999

INTERVIEWS

Dr. Michelle Shine, *Mana Gardening* for the Rode Institute, Synergida Events, Creator God Retreat. Interviewed by Ben and Jen Rode, April 2018

Dr. Michelle Shine, *Mana Gardening Book Interview* for Healing Love Institute and Dialogue Café, Interviewed by Robert Zachary, March 2018

Dr. Michelle Shine, *Mind Gardening* on Vortex Airwaves, Interviewed by Wendy Owens, Mar 2015

AWARDED CONTRACTS

Title of Project: Administrative and Professional/Technical Support Services
Project Dates: July 01, 2016- June 30, 2021
Total Amount of Funding/ Number of FTE's: \$149,000,000/126
Source of Support: US Department of Justice; Drug Enforcement Administration
Prime and Sole contractor: Bennett Aerospace, Inc.
Role: Proposal Manager

Title of Project: Systems Engineering and Technical Assistance (SETA) support
Project Dates: October 22, 2015- October 21, 2019
Total Amount of Funding/ Number of FTE's: \$49,000,000/51
Source of Support: US Army- Army Research Laboratory
Prime contractor: Survive Engineering, Inc.
Subcontractor: Bennett Aerospace, Inc.
Role: Proposal Manager

FUNDED GRANTS

Title of Project: Treatment of Rotator Cuff Tears by ADSC Therapy
Project Dates: September 1, 2011- February 28, 2013
Total Amount of Funding: \$2,000,000
Source of Support: USAMRMC
Project Role: Co-Investigator

Title of Project: Clinical Validation of Adipose-derived Regenerative Cells for Tissue Repair
Project Dates: September 1, 2010-August 31, 2012
Total Amount of Funding: \$3,410,515
Source of Support: USAMRMC
Project Role: Co-Investigator

Title of Project: Treatment of Peripheral Vascular Disease by Adipose-derived Stromal Cell Injection
Project Dates: February 2, 2009-August 1, 2010, 1 year no-cost extension granted
Total Amount of Funding: \$3,630,690
Source of Support: USAMRMC
Project Role: Co-Investigator

Title of Project: Automated Cell Isolation and Seeding System for Peripheral Vascular Grafts
Project Dates: June 6, 2006-June 5, 2008
Total Amount of Funding: \$4,539,996
Source of Support: USAMRMC
Project Role: Co-Investigator