

Jessica E. Thaxton, PhD, MsCR

Nominated Research Associate Professor

Department of Cell Biology & Physiology

Lineberger Comprehensive Cancer Center, Immunotherapy Program

125 Mason Farm Road, Marsico Hall, 5229M/N

University of North Carolina, Chapel Hill, 27514

jess_thaxton@med.unc.edu

<https://www.thaxtonimmuno.com/>**Education**

NCI Paul Calabresi Clinical Oncology Fellowship

2016-2018

Hollings Cancer Center, Medical University of South Carolina

ER Stress in T Cell Anti-Tumor Immunity

Department of Defense Breast Cancer Research Program Post-Doctoral Fellowship

2012-2015

Department of Microbiology & Immunology, Oregon Health & Science University

Department of Microbiology & Immunology, Medical University of South Carolina

Virus-specific T cells in Cancer Patients

Medical University of South Carolina

Masters of Clinical Research

2014

NIH Ruth Kirschstein Fellowship, Oregon Health & Science University

2011-2012

Department of Microbiology & Immunology

Virus-specific T cells in Cancer Patients

Brown UniversityDoctorate of Philosophy
Pathobiology & Immunology
Magna Cum Laude

2009

Amherst College

Bachelor of Arts

2001

Professional Experience

Nominated Research Associate Professor, University of North Carolina, Chapel Hill, NC

2021-PRES.

Department of Cell Biology & Physiology

Independent translational research program in ER stress and anti-tumor immunity

Assistant Professor, Tenure-Track, Medical University of South Carolina, Charleston, SC

2015-2021

Departments of Orthopaedics and Microbiology & Immunology

Independent translational research program in ER stress and anti-tumor immunity

Post-doctoral Fellow, Medical University of South Carolina, Charleston, SC

2012-2015

Department of Microbiology & Immunology

Discovered a role for ER stress in T cell anti-tumor immunity

Post-doctoral Fellow, Oregon Health & Sciences University, Portland, OR

2010-2012

Department of Microbiology & Immunology
Researched virus-specific T cells in breast cancer mouse models and patients

Graduate Student, *Brown University, Providence, RI* 2004-2009
Department of Microbiology & Immunology
Researched immunity in fetal tolerance and loss

Research Specialist, *Garvan Institute of Medical Research, Sydney, Australia* 2002-2004
Department of Allergy & Inflammation
Studied T regulatory cells in graft rejection in pancreatic islet transplantation

Membership of Professional Societies

American Association of Immunologists	Member	2019-Present
Society for Immunotherapy of Cancer Sparkathon Class	Member	2018-Present
Society for Immunotherapy of Cancer Membership Committee	Member	2018-Present
Society for Immunotherapy of Cancer Early Career Scientist Committee	Member	2018-Present
Menten Club, Medical University of South Carolina	Member	2017-Present
Cancer Immunology Program, Medical University of South Carolina	Member	2016-Present
Society for Immunotherapy of Cancer	Member	2015-Present
American Association of Cancer Research	Member	2015-Present
Sigma Xi	Member	2009-Present
Sheridan Center for Teaching and Learning, Brown University	Member	2005-2009

Honors & Awards

2020	Co-Chair, Rapid Oral Sessions, Society for Immunotherapy of Cancer, National Meeting
2020	Chair, Meet the Expert Events, Society for Immunotherapy of Cancer, National Meeting
2019	Session Leader and Moderator, Society for Immunotherapy of Cancer, National Meeting
2018	Oral Presenter, Society for Immunotherapy of Cancer, National Meeting
2018	Sparkathon Winner, Team SITCure, Society for Immunotherapy of Cancer
2018	Sparkathon Participant, Society for Immunotherapy of Cancer
2017	Selection to Immuno-oncology Young Investigators' Forum, Houston TX
2017	Dean's Nominee, AAMC Young Female Faculty Leadership Series
2017	Selection to AAMC Young Female Faculty Leadership Series
2017	Harper Drolet Award for Excellence in Sarcoma Research
2017	Re-selection for NCI Paul Calabresi Clinical Oncology Scholarship
2017	Society for Immunotherapy of Cancer Young Investigator Award
2016	NCI Paul Calabresi Clinical Oncology Scholarship
2013	ESMO Postdoctoral Travel Award, Brussels, Belgium
2012	Department of Defense Breast Cancer Research Fellowship Award
2011	Early Clinical Investigator Award
2010	NIH Ruth Kirschstein NRSA Fellowship
2009	SRI Graduate Travel Award, Philadelphia, PA
2008	ASRI Graduate Travel Award, Chicago, IL
2008	ASRI Outstanding New Investigator Award
2007	ISRI Graduate Travel Award, Rio de Janeiro Brazil
2007	Environmental Toxicology Award, Brown University
2006	1 st Place Research Retreat Presentation, Brown University
2005	GAAAN Training Award, Brown University

Bibliography

Published refereed papers/articles:

Smith AS, Knockelmann HM, Wyatt MM, Dwyer CJ, Rangel Rivera GO, Rivera Reyes AM, **Thaxton JE**, Bartee EC, Rubinstein MP, Liu B, Paulos CM. B cells imprint adoptively transferred CD8⁺ T cells with enhanced tumor immunity. *In Press*, Journal for Immunotherapy of Cancer.
<https://www.biorxiv.org/content/10.1101/2021.03.16.435714v1>

Wallace K, El Nahas GJ, Bookhout C, **Thaxton JE**, Lewin DN, Nikolaishvili-Feinberg N, Cohen SM, Brazeal JG, Hill EG, Wu JD, Baron JA, Alekseyenko AV. [Immune responses vary in preinvasive colorectal lesions by tumor location and histology.](#) *cancer*. Cancer Prevention Research. Cancer Prev Res (Phila). 2021 Sep;14(9):885-892. doi: 10.1158/1940-6207.CAPR-20-0592. PMID: 34341013

Rangel Rivera GO, Smith AS, Knockelmann HM, Wyatt MM, Dwyer CJ, Rivera Reyes AM, **Thaxton JE**, Paulos CM. [Fundamentals of T cell metabolism and strategies to enhance cancer immunotherapy.](#) *Frontiers in Immunology*; 2021_Mar 18;12:645242. doi: 10.3389/fimmu.2021.645242. PMID: 33815400.

Thomas U. Marron, MD, PhD, Aileen E. Ryan, PhD, Sangeetha M. Reddy, MD, Msci, Sabina Kaczanowska, PhD, Rania H. Younis, BDS, MDS, PhD, Dipti Thakkar, PhD, Jiajia Zhang, MD, MPH, Todd Bartkowiak, PhD, Rachel Howard, PhD, Kristin G. Anderson, PhD, Daniel Olson, MD, Abdul Rafeh Naqash, MD, Ravi B. Patel, MD, PhD, Esha Sachdev, MD, María Esperanza Rodríguez-Ruiz, MD, PhD, Michal Sheffer, PhD, Sarah E. Church, PhD¹⁸, Christopher Fuhrman, PhD¹⁸, Abigail Overacre-Delgoffe, PhD¹⁹, Rosa Nguyen, MD, PhD¹³, Vaia Florou, MD, **Jessica E. Thaxton, PhD**, David H. Aggen, MD, PhD and Jennifer L. Guerriero, PhD. [Considerations for treatment duration in responders to immune checkpoint immunotherapy.](#) *Journal for Immunotherapy of Cancer*; 2021 Mar;9(3):e001901. PMID: 33653801.

Mehta A, Cheney EM, Hartl C, Pantelidou C, Oliwa M, Castrillon JA, Lin J-R, Hurst, KE, Taveira M, Johnson NT, Oldham WM, Kalocsay M, Berberich MJ, Boswell SA, Kothari A, Johnson S, Dillon DA, Lipschitz M, Rodig S, Santagata S, Garber JE, Tung N, **Thaxton JE**, Mittendorf EA, Sorger PK, Shapiro GI, Guerriero JL. [Targeting immunosuppressive macrophages overcomes PARP inhibitor resistance in BRAC1-associated triple-negative breast cancer.](#) *Nature Cancer*. 2020 Dec; 2, 66-82.

Andrews AM, Tennant MD, **Thaxton JE**. [Metabolic stress relief for cancer immunotherapy: Implications for the ER stress response in tumor immunity.](#) *Cancer Immunol, Immuno*. 2020 Oct 26; doi: 10.1007/s00262-020-02740-3. PMID: 33104836

Halbert CH, Jefferson MS, Danielson C, Froeliger B, Giordano A, **Thaxton JE**. [An observational study and randomized trial of stress reactivity in cancer disparities.](#) *Health Psychol*. 2020 Sep;39(9):745-757. doi: 10.1037/hea0000882. PubMed PMID: 32833476.

Dwyer CJ, Arhontoulis DC, Rangel Rivera GO, Knockelmann HM, Smith AS, Wyatt MM, Rubinstein MP, Atkinson C, **Thaxton JE**, Neskey DM, Paulos CM. [Ex vivo blockade of PI3K gamma or delta signaling enhances the antitumor potency of adoptively transferred CD8⁺ T cells.](#) *Eur J Immunol*. 2020 May 8;. doi: 10.1002/eji.201948455. [Epub ahead of print] PubMed PMID: 32383488.

Hurst KE, Lawrence KA, Robino RA, Ball LE, Chung D, **Thaxton JE**. [Remodeling Translation Primes CD8⁺ T-cell Antitumor Immunity.](#) *Cancer Immunol Res, Priority Brief*. 2020 May;8(5):587-595. doi: 10.1158/2326-6066.CIR-19-0516. Epub 2020 Feb 19. PubMed PMID: 32075802.

Hurst KE, Lawrence KA, Reyes Angeles L, Ye Z, Zhang J, Townsend DM, Dolloff N, **Thaxton JE**. [Endoplasmic Reticulum Protein Disulfide Isomerase Shapes T Cell Efficacy for Adoptive Cellular Therapy of Tumors.](#) *Cells*. 2019 Nov 26;8(12). doi: 10.3390/cells8121514. PubMed PMID: 31779147; PubMed Central PMCID: PMC6953024.

Hurst KE, Lawrence KA, Essman MT, Walton ZJ, Leddy LR, **Thaxton JE**. [Endoplasmic Reticulum Stress Contributes to Mitochondrial Exhaustion of CD8⁺ T Cells.](#) *Cancer Immunol Res*. 2019 Mar;7(3):476-486. doi: 10.1158/2326-6066.CIR-18-0182. Epub 2019 Jan 18. PubMed PMID: 30659052; PubMed Central PMCID: PMC6397687.

Thaxton JE, Wallace C, Riesenber B, Zhang Y, Paulos CM, Beeson CC, Liu B, Li Z. [Modulation of Endoplasmic Reticulum Stress Controls CD4⁺ T-cell Activation and Antitumor Function.](#) *Cancer Immunol Res.* 2017 Aug;5(8):666-675. doi: 10.1158/2326-6066.CIR-17-0081. Epub 2017 Jun 22. PubMed PMID: 28642246; PubMed Central PMCID: PMC5585019.

Ansa-Addo EA, **Thaxton J**, Hong F, Wu BX, Zhang Y, Fugle CW, Metelli A, Riesenber B, Williams K, Gewirth DT, Chiosis G, Liu B, Li Z. [Clients and Oncogenic Roles of Molecular Chaperone gp96/grp94.](#) *Curr Top Med Chem.* 2016;16(25):2765-78. doi: 10.2174/1568026616666160413141613. Review. PubMed PMID: 27072698; PubMed Central PMCID: PMC5041304.

Zhang Y, Wu BX, Metelli A, **Thaxton JE**, Hong F, Rachidi S, Ansa-Addo E, Sun S, Vasu C, Yang Y, Liu B, Li Z. [GP96 is a GARP chaperone and controls regulatory T cell functions.](#) *J Clin Invest.* 2015 Feb;125(2):859-69. doi: 10.1172/JCI79014. Epub 2015 Jan 20. PubMed PMID: 25607841; PubMed Central PMCID: PMC4319419.

Thaxton JE, Liu B, Zheng P, Liu Y, Li Z. [Deletion of CD24 impairs development of heat shock protein gp96-driven autoimmune disease through expansion of myeloid-derived suppressor cells.](#) *J Immunol.* 2014 Jun 15;192(12):5679-86. doi: 10.4049/jimmunol.1302755. Epub 2014 May 7. PubMed PMID: 24808359; PubMed Central PMCID: PMC4185284.

Thaxton JE, Li Z. [To affinity and beyond: harnessing the T cell receptor for cancer immunotherapy.](#) *Hum Vaccin Immunother.* 2014;10(11):3313-21. doi: 10.4161/21645515.2014.973314. Review. PubMed PMID: 25483644; PubMed Central PMCID: PMC4514023.

Thaxton JE, Nevers T, Lippe EO, Blois SM, Saito S, Sharma S. [NKG2D blockade inhibits poly\(I:C\)-triggered fetal loss in wild type but not in IL-10^{-/-} mice.](#) *J Immunol.* 2013 Apr 1;190(7):3639-47. doi: 10.4049/jimmunol.1203488. Epub 2013 Mar 1. PubMed PMID: 23455498; PubMed Central PMCID: PMC3608719.

Thaxton JE, Nevers TA, Sharma S. [TLR-mediated preterm birth in response to pathogenic agents.](#) *Infect Dis Obstet Gynecol.* 2010;2010. doi: 10.1155/2010/378472. Epub 2010 Aug 23. Review. PubMed PMID: 20827416; PubMed Central PMCID: PMC2933901.

Thaxton JE, Sharma S. [Interleukin-10: a multi-faceted agent of pregnancy.](#) *Am J Reprod Immunol.* 2010 Jun;63(6):482-91. doi: 10.1111/j.1600-0897.2010.00810.x. Epub 2010 Feb 16. Review. PubMed PMID: 20163400; PubMed Central PMCID: PMC3628686.

Thaxton JE, Romero R, Sharma S. [TLR9 activation coupled to IL-10 deficiency induces adverse pregnancy outcomes.](#) *J Immunol.* 2009 Jul 15;183(2):1144-54. doi: 10.4049/jimmunol.0900788. Epub 2009 Jun 26. PubMed PMID: 19561095; PubMed Central PMCID: PMC2785500.

Walters S, Webster KE, Sutherland A, Gardam S, Groom J, Liuwantara D, Mariño E, **Thaxton JE**, Weinberg A, Mackay F, Brink R, Sprent J, Grey ST. [Increased CD4⁺Foxp3⁺ T cells in BAFF-transgenic mice suppress T cell effector responses.](#) *J Immunol.* 2009 Jan 15;182(2):793-801. doi: 10.4049/jimmunol.182.2.793. PubMed PMID: 19124722.

In Preparation/ Under Review & Revision:

Riesenber BP, Hunt EG, Andrews AM, Hurst KE, Tennant MD, Leddy LR, Neskey DM, Hill EG, Gao P, Ball LE, **Thaxton JE**. Stress-mediated translation attenuation undermines T cell tumor control. *Reviewed, Under Revision*, *Nature Communications Biology*.

Hunt EG, Andrews AM, Larsen S, **Thaxton JE**. The ER-mitochondria Interface as a Dynamic Hub for T Cell Efficacy in Solid Tumors. *Under Review*, *Frontiers in Cell and Developmental Biology*.

Andrews AM, Riesenbergr BR, Hunt EG, Tennant MD, Hurst KE, **Thaxton JE**. Acetyl CoA Carboxylase Inhibition Primes T Cell Lineage Fate and Tumor Control. *Invited, In preparation*, *Frontiers in Oncology*.

Invited Oral Presentations

Stress-mediated translation attenuation undermines T cell tumor control
Dana Farber Cancer Institute, Boston, MA, November 2021

Endoplasmic Reticulum Distress Underlies CD8 TIL Dysfunction
Lineberger Cancer Center, University of North Carolina, Chapel Hill NC, February 2021

What's Next for Cancer Immunotherapy?
Society for Immunotherapy of Cancer
Annual Course, Subject Matter Expert, 2021

Metabolic Requirements for T Cell Protein Translation in Tumors
Preston Robert Tisch Brain Tumor Center, Duke University, Durham NC
November 2020

Metabolic Requirements for T Cell Protein Translation in Tumors
iChem Conferences in Cancer Immunotherapy, October 2020

Metabolic Regulation of T Cell Translation in Tumors
University of New Mexico Comprehensive Cancer Center, Albuquerque NM, April 2020

Metabolic Regulation of T Cell Translation in Tumors
Department of Regenerative Medicine, Medical University of South Carolina, Charleston, SC, February 2020

What's Next for Cancer Immunotherapy?
Society for Immunotherapy of Cancer
Annual Course, Subject Matter Expert, Southeast Series, USA, January 2020
Immunotherapy for Solid Tumors
Perfect Day Podcast with Cokie Berenyi, Charleston, SC, July 2019

Remodeling Translation Primes T Cell Antitumor Immunity
Cancer Research Symposium, Hollings Cancer, Danielle Island, SC, May 2019

Remodeling Translation Primes T Cell Antitumor Immunity
Southeastern Immunology Symposium, Emory University, Atlanta, GA, March 2019

Chronic ER Stress Programs T Cell Mitochondrial Exhaustion in Tumors
SITC 33rd National Meeting, Metabolism & Microenvironment Session, Washington DC, November 2018

Mitochondrial Reactive Oxygen Species in T cells in Tumors
Southeastern Immunology Conference, Georgia Regents Cancer Center, Augusta GA, May 2018

ER Stress Sensor PERK in Antitumor Immunity
Immune-oncology Young Investigators' Forum, MD Anderson Cancer Center, Houston, TX, May 2017

Teaching

2018-2021 **Introduction to Immunology**, MUSC

2016-2020 **Basic Orthopaedic Science for Clinicians**, Lecturer, Department of Orthopedics, MUSC

2016-2021 **Translation: Bench to Bedside**, Lecturer, Masters of Clinical Research, MUSC

2015-2018 **Advanced Immunology**, Lecturer, Graduate School, MUSC

2007-2009 **Introduction to Immunology**, Teaching Assistant, Warren Alpert School of Medicine, Brown University

2005-2010 **The Princeton Review**, Premiere Tutor, MCAT, GRE, SAT

2005-2009 **Teaching Certificates I, II, III**, Sheridan Center for Teaching and Learning, Brown University

Mentoring

Sydney Larsen	Summer Undergraduate Research Program Mentee, Amherst College 2021-Present
Ellie Hunt	Graduate Student, Medical University of South Carolina, Lab Member 2020-Present
Ashton Basar	PhD Student, Medical University of South Carolina, Committee Member 2019-Present
Guillermo Rangel Rivera	MD/ PhD Student, Medical University of South Carolina, Committee Member 2018-Present
Catherine Mills	Graduate Student, Medical University of South Carolina, Committee Member 2018-Present
Aubrey Smith	Graduate Student, Medical University of South Carolina, Committee Member 2017-Present
Parker Dryja	Graduate Student, Medical University of South Carolina, Committee Member 2017-Present
Katie Hurst, MPH	Research Specialist, Masters of Public Health Student, Lab Member 2016-Present, MPH Completed
Megan Tennant, MS	Graduate Student, Medical University of South Carolina, Lab Member 2019-2021, Currently 3 rd year graduate student
Alexander Andrews, PhD	Postdoctoral Fellow, Medical University of South Carolina, Lab Member 2019-2021, Currently Scientist at Precision Biosciences
Thomas Benton	Graduate Student, Medical University of South Carolina, Committee Member 2017-2021, PhD Obtained, Currently Scientist at RTP Therapeutics
Rob Robino	Undergraduate Student, College of Charleston, Lab Member 2019-2020
Christopher Leem, MS	Masters Student, Medical University of South Carolina, Committee Chair 2018-2020, MS Completed
Sophia Traven, MD	PGY5, Resident, Medical University of South Carolina, Lab Member 2017-2020, Attending, US Navy
Kiley Lawrence	Medical Student, Medical University of South Carolina, Lab Member 2017-2019, Currently 2 nd year medical student
Molly Sekar	Medical Student, Medical University of South Carolina, Lab Member 2017-2019, Currently 5 th year medical student

Grants

Active Grants:

R01CA244361-01A1, NIH/NCI <i>Targeting Chronic ER Stress in T Cells to Improve Immunotherapy</i> Role: Principal Investigator, 30% Effort	07/01/2020-06/30/2025 1,143,750\$
R01 CA248359-01, NIH/NCI Cancer Moonshot Initiative on Immunometabolism <i>Exploitation of ER Stress Induced Immune Dysfunction to Improve Immunotherapy</i> Role: Principal Investigator, 30% Effort	04/01/2020-03/31/2025 1,140,605\$
R01CA226086-01A1, NIH/NCI The Immune Contexture of Colorectal Adenomas and Serrated Polyps	04/19/2019 - 03/31/2024 \$75,752

Role: Co-Investigator, 5% Effort

Hollings Cancer Center Seed Grant Development Award
Targeting ER dynamics to improve tumor immunotherapy
Role: Principal Investigator, 5% Effort

04/19/2019 - 03/31/2024
\$25,000

Team Science Award, Hollings Cancer Center
Head and Neck Tumor SPORE Development
Role: Co-Principal Investigator, 5% Effort

12/01/2020 - 07/31/2021
\$59,620

Pending Grants:

R01 CA269499-01, NIH/NCI PI: Guerriero
Immunometabolic pathways enabled by PARP inhibition in breast cancer
Role: Co-Investigator, 10% Effort

04/01/22 – 03/31/27

Expected Notification Date: 10th percentile score, ESI Status, JIT Imminent

Completed Grants:

MUSC Foundation for Research Development
Development of ER Stress Inhibitors to augment cancer immunotherapy
Role: Principal Investigator, 5% Effort

01/01/2020-05/31/2021
49,538\$

TEVA Pharmaceuticals
Combination Therapy with Omacetaxine for Treatment of Solid Tumors.
Role: Principal Investigator, 5% Effort

11/01/2019-10/31/2020
37,500\$

South Carolina Stress & Anti-Oxidants NIH COBRE Pilot
Targeting ERO1a to Restore CD8 TIL Proteostasis
Role: Project Leader, 5% Effort

07/01/2019-08/31/2020
40,000\$

Hollings Cancer Center Clinical Concept Award
Combination Therapy with Omacetaxine for Treatment of Solid Tumors
Role: Principal Investigator

04/01/2019-03/31/2020
50,000\$

NIH/NCI K12 Paul Calabresi Clinical Oncology Fellowship
Targeting ER Stress for Cancer Immunotherapy
Role: Trainee, 85% Effort

01/01/2016-12/31/2018
431,000\$

American Cancer Society Institutional Research Grant, Renewal
Lone Survivor: Stressful Role of the ER in CD8+ T cell metabolism
Role: Project Leader, 5% Effort

01/01/2017-12/31/2017
35,000\$

American Cancer Society Institutional Research Grant
Lone Survivor: Stressful Role of the ER in CD8+ T cell metabolism
Role: Project Leader, 5% Effort

01/01/2016-12/31/2016
30,000\$

Department of Defense Breast Cancer Research Post-Doctoral Fellowship
Chemotherapy necessitates increased immune control of chronic HHVs
Role: Principal Investigator, 100% Effort

06/01/2012-05/31/2015
450,000\$

Early Clinical Investigator Award, Oregon Health & Sciences University
Chemotherapy necessitates increased immune control of chronic HHVs
Role: Principal Investigator, 5% Effort

01/01/2011-12/31/2011
35,000\$

Environmental Toxicology National Training Grant, Brown University

2007-2009

Department of Microbiology & Immunology
Immunity in Fetal Tolerance and Loss

GAANN National Training Grant, Brown University
Department of Microbiology & Immunology
Immunity in Fetal Tolerance and Loss

2005-2007

Service

Career Development & Leadership

2020	Graduate Course Co-Leader, Introduction to Immunology
2020	Co-Leader Program Project Application (P01), Cancer Immunology, MUSC
2019	SITC Sparkathon, Blue Cross Blue Shield Initiative, Group Leader
2018	Women Scholars Initiative Career Development Program
2018	SITC Sparkathon Participant
2015-2018	K to R Grant Development Program
2017	Immune-oncology Young Investigators' Forum, Presentation Skills Workshop
2017	AAMC Young Female Faculty Leadership Series

Departmental & Institutional Service

2021-2022	BBSP Human Disease and Translational Science Admissions, UNC	Committee Member
2020	Hollings Cancer Center, Grants Review Committee	Committee Member
2020	Elected, College of Medicine Faculty Council, MUSC	Council Member
2020	Microbiology & Immunology Faculty Search Committee, MUSC	Committee Member
2019	Microbiology & Immunology Chair Search Committee, MUSC	Committee Member
2019	Orthopaedic Resident Match Rankings, MUSC	Committee Member
2019	Graduate School Faculty, MUSC	Full Member
2019	Hollings Cancer Center, Grants Review Committee	Committee Member
2019	Hollings Cancer Center, LowVELO Fundraising	Keynote Speaker

National Grant Review

FY21 Ovarian Cancer Research Program, Dept of Defense	September 2021
FY20 Peer Reviewed Cancer Research Program, Dept. of Defense	October 2020
FY20 Ovarian Cancer Research Program, Dept of Defense	September 2020

Editorial Activities

eLife, <i>Ad Hoc Reviewer</i>	2021
Cell Reports, <i>Ad Hoc Reviewer</i>	2021
Cellular and Molecular Life Sciences, <i>Ad Hoc Reviewer</i>	2020
Cells MDPI, <i>Ad Hoc Reviewer</i>	2019
Breast Cancer Research & Treatment, <i>Ad Hoc Reviewer</i>	2015
Journal of Immunology, <i>Ad Hoc Reviewer</i>	2012

Industry Sponsorship & Collaborations

GlaxoSmithKline
Combination Therapy with PERK Inhibitors for Treatment of Solid Tumors

TEVA Pharmaceuticals
Combination Therapy with Omacetaxine for Treatment of Solid Tumors

Intellectual Patents

Modulation of the proteasome to improve tumor immunotherapy
Provisional Patent

Targeting ER dynamics to improve tumor immunotherapy
Provisional Patent