

SANCY A. LEACHMAN, MD, PhD

CURRICULUM VITAE

Personal Mission Statement: In the pursuit of a healthier world, I will leverage my unique skills and experiences to advance medicine through innovative and collaborative research, education, and health care delivery.

PRESENT POSITION & ADDRESS:

Professor and Chairwoman, Department of Dermatology
John D. Gray Endowed Chair in Melanoma Research
Director, Knight Cancer Institute Melanoma & Skin Cancer Program
Oregon Health & Science University
3303 S Bond Avenue
Portland, OR 97239
Phone: 801-301-1423
Email: leachmas@ohsu.edu

EDUCATION:

Certification

1997 Board Certified, Dermatology

Postgraduate

1996 - 1998 Fellow in Cutaneous Oncology, Yale School of Medicine

1994 - 1997 Resident in Dermatology, Yale New Haven Hospital

1993 - 1994 Intern, Internal Medicine, UT Southwestern Medical School

Undergraduate and Graduate

1985 - 1993 M.D., Ph.D UT Southwestern Medical School, Dallas, TX

1982 - 1985 B.A. Plan II Liberal Arts Honors Program, University of Texas at Austin

LICENSURE:

Federal DEA #: BL5403807 Expiration: 03/31/2024

Oregon Medical License #: MD162207 Expiration: 12/31/2021

Texas Medical License #: J6543 Expiration: 05/31/2023

Utah Medical License #: 360389-1205 Expiration: 01/31/2022

Utah Controlled Substance License #: 360389-8905 Expiration: 01/31/2022

Utah DEA license number: FL4226228; Active, exp. 01/31/22

Florida Telemedicine License/Privileges License #: 934 Expiration: N/A

PROFESSIONAL EXPERIENCE:

Academic

- 2013 - present Attending Physician of Dermatology, Department of Dermatology
Oregon Health & Science University
- 2013 - present Professor of Dermatology, Department of Dermatology
Oregon Health & Science University
- 2013 – present Attending Physician, Dermatology
Portland VA & Medical Center
- 2013 - present Adjunct Professor of Dermatology, Department of Dermatology
University of Utah
- 2011 - 2013 Professor of Dermatology, Department of Dermatology
University of Utah
- 2006 - 2011 Associate Professor of Dermatology, Department of Dermatology
University of Utah
- 1998 - 2013 Attending Physician in Dermatology, Department of Dermatology
University of Utah
- 1998 - 2006 Assistant Professor of Dermatology, Department of Dermatology
University of Utah
- 1998 - 2000 Fellow-to-Faculty Transition Program through Molecular Genetics
NIH Training Program, Internal Medicine, University of Utah

Administrative

- 2013 - present Chair, Department of Dermatology
Oregon Health & Science University
- 2013 - present Director, Knight Cancer Institute Melanoma and Skin Cancer Program
Oregon Health & Science University
- 2007 - 2013 Director, Melanoma and Cutaneous Oncology Program
Huntsman Cancer Institute, University of Utah
- 2004 - 2007 Deputy Director, Melanoma and Cutaneous Oncology
Huntsman Cancer Institute, University of Utah
- 2003 - 2007 Co-leader, Melanoma and Cutaneous Oncology Program
Huntsman Cancer Institute, University of Utah

2000 - 2013 Director and Principal Investigator
Tom C. Matthews Endowed Familial Melanoma Research Program
Huntsman Cancer Institute, University of Utah

Other

2006 – 2013 Dermatology Clinic Medical Director, Redstone Clinic, Park City
University of Utah

1997 - 1998 Clinical Dermatologist
Michael Friedman and Associates, Stanford, CT

1997 - 1998 Clinical Dermatologist
Yale Health Plan, New Haven, CT

Honors

2021 Career Achievement Award & Aaron Lerner Lectureship
Pan American Society for Pigment Cell Research

2019 OHSU Dermatology Teacher of the Year

2018 – present John D. Gray Endowed Chair in Melanoma Research
Oregon Health & Science University

2017 – 2021 Portland Monthly, Top Doctor

2016 Estela Medrano Memorial Award

2003 – 2021 Dermatology Castle Connolly Top Doctor Since 2003

2001 – 2013 Tom C. Mathews Jr. Familial Melanoma Research Endowment

2000 – 2004 Doris Duke Clinical Scientist Development Award

LEADERSHIP:

Dr. Leachman's leadership philosophy emphasizes collaboration, innovation, and empowerment, utilizing a situational leadership style, tailored to meet the diverse needs and approaches of the people with whom she works. Dr. Leachman's primary leadership roles have been as Director of the Melanoma & Cutaneous Oncology Program at Huntsman Cancer Institute at the University of Utah, Director of the Melanoma and Skin Cancer Program at Knight Cancer Institute at Oregon Health & Science University (OHSU), and Department Chair of Dermatology at OHSU. She has also been a leader in the Faculty Practice Plan and the School of Medicine at OHSU and in dermatologic and melanoma organizations nationally and internationally.

Huntsman Cancer Institute at University of Utah. Dr. Leachman was successfully recruited to the University of Utah in 2000 to bring multiple disciplines together and help build the world-class, translational Melanoma Program that she envisioned. She was promoted to Deputy Director of the Melanoma Program in 2004, and then promoted to Director in 2007, serving as Director until 2013. As

Director, Dr. Leachman built the program from a single medical oncologist, single surgical oncologist, and two dermatologists to one of the strongest melanoma programs in the country. Harnessing Utah's institutional strength in human genetics, she built a world-class Familial Melanoma Program, which attracted an enduring endowment for the Tom C. Mathews Familial Melanoma Clinic.

Knight Cancer Institute Melanoma & Skin Cancer Program. In 2013 Dr. Leachman was selected as the leader of OHSU's new Melanoma & Skin Cancer Program at Knight Cancer Institute because of her track record of collaboration with and leadership of faculty from diverse departments and specialties. Dr. Leachman received the \$2.5M John D. Gray Endowment for Melanoma Research and another \$2.5M to support the program development. She built the Melanoma Program from a base of one surgical oncologist and one medical oncologist and created a statewide public health and population science program in melanoma early detection called the War On Melanoma™. This strategy increased visibility and accessibility to patients across the state, filled surgical and medical oncology pipelines, and created clinical trial opportunities. The Melanoma Program at OHSU currently consists of five medical dermatologists, two dermatopathologists, a surgical pathologist, a radiation oncologist, an ocular oncologist, two surgical oncologists, two medical oncologists, a medical geneticist, a nuclear medicine physician, and five basic scientists.

OHSU Department of Dermatology. Dr. Leachman has partnered closely with OHSU leadership and faculty to transform the structure and culture of the Department of Dermatology, based on a set of core values. As the first female clinical chair at OHSU she focused on a culture of excellence, applied Lean principles (OHSU OpEx), and built a "Team of Teams" organizational structure under the Stanley McCrystal model. She focused on recruitment of diverse and talented faculty, managers and staff. Dr. Leachman has doubled the number of faculty and employees in the department, including the recruitment of 25 faculty from across the United States and Europe, making the Department one of the largest and most diverse in the country (now 43 faculty and almost 150 non-faculty employees). Under her leadership, the residency program has become one of the most competitive in the country and three new ACGME fellowship programs have been accredited (Mohs Surgery & Procedural Dermatology, Pediatric Dermatology, and Dermatopathology). During her tenure as Chair, a departmental Clinical Trials Unit and Dermatopathology Laboratory have been established and are flourishing.

Oregon Health & Science University. To contribute toward and capitalize on the major strengths of OHSU, Dr. Leachman has aligned her departmental vision with that of the greater institution. This required participation in critical committees and institutional administrative structures. Dr. Leachman has served on a number of leadership teams at OHSU including the Pro Board and the Hospital Management Committee. She is one of two chairs on the Finance Council working directly with the Dean and CEO of the OHSU Health System, and was recently appointed as the chair representative to lead the new Funds Flow Committee. She has been recruited by the Dean and Hospital CEO to be one of five Chairs in their Clinical Leadership Council. Dr. Leachman has also introduced telehealth into the department, and Dermatology now leads the institution in the number of virtual visits, e-visits, and e-consults. During her tenure as chair, Dr. Leachman has created innovative compensation plans and expanded the departmental budget from \$18M to \$26M in an era of financial uncertainty and a global pandemic.

Leadership & Influence on the Fields of Melanoma and Dermatology. Dr. Leachman's sphere of influence extends beyond institutional boundaries. She is the Co-Chair of the Melanoma Prevention Working Group, a joint working group of the Southwest, Eastern, and CALGB NCI-sponsored Oncology Groups, and hub of

the Pigmented Lesion Subcommittee through the American Academy of Dermatology. She is currently the Chair of the American Academy of Dermatology's Melanoma/Skin Cancer Community Programs Committee and has been on several scientific advisory boards, including the Society for Melanoma Research and the Pan American Society for Pigment Cell Research.

SCHOLARSHIP:

Dr. Leachman's career has been devoted to the application of science to medicine, particularly molecular genetics. As a dermatologist, her focus has been on human genetic skin disorders and melanoma. Over the past 23 years as a faculty member in the academic community, she has incorporated methods and tools across basic and clinical science, population science, public health, and behavioral health to create innovative trans- and multi-disciplinary approaches to prevention, detection, and treatment of disease.

Cohort development. Strong clinical investigation requires a patient cohort with controls. Dr. Leachman has built two large and unique melanoma cohorts, and a worldwide cohort of patients with pachyonychia congenita, a genetic keratin disorder.

- The Utah melanoma cohort contains over 1,800 hereditary melanoma family members (affected and unaffected), assembled through collaboration with the Utah Population Database and the Utah Cancer Registry.
- The Oregon melanoma cohort, AKA the Melanoma Community Registry (an IRB-approved repository, <https://www.ohsu.edu/war-on-melanoma/melanoma-community-registry>), contains >10,000 primarily sporadic melanoma patients, family members and controls. This cohort was recruited through collaboration with the Oregon State Cancer Registry and with a unique mobile iPhone application (MoleMapper) that Dr. Leachman developed in-house through collaboration with software engineers.
- Dr. Leachman also created a pachyonychia congenita cohort by co-founding PC Project, a patient advocacy organization, where the patient registry still remains the largest and most utilized resource for investigation of this disease.
- These cohorts are associated with personal and family history, physical examination, and other retrievable annotation; they are tracked longitudinally, and participants receive regular communications. These cohorts have become a resource that has supported numerous basic and clinical research projects, publications, grants, and clinical trials led by Dr. Leachman and others.

Basic science research. Dr. Leachman has directed a Foundation and NIH-funded basic science and translational laboratory since 2002. Her basic science research program has focused on three main areas: genetic epidemiology, molecularly targeted melanoma chemoprevention, and molecular prognostics/therapeutics.

- Dr. Leachman was NIH R01 funded to identify novel melanoma predisposition genes in her Utah cohort. She and her collaborators were the first to report novel mutations in G0LM1 and OCA2 in hereditary melanoma.
- She and her collaborators were also the first to report on the role of CDKN2A/p16, the major melanoma predisposition gene, in the oxidative stress pathway in melanocytes and among the first to elucidate the importance of MC1R and pigmentation in cellular protection against UV and oxidative damage. These discoveries, supported by competitive internal and external NIH R01,

R03, and R21 funding have identified a new targetable pathway in the high-risk melanoma population. Dr. Leachman has moved forward with these discoveries to systematically test a pipeline of anti-oxidant agents in vitro (selenium, N-acetyl cysteine, sulforaphane, piperine and nicotinamide) as candidate chemoprevention agents in melanoma.

- Dr. Leachman was also funded by PC Project to develop a potent single-nucleotide-specific siRNA to target a dominant-negative keratin 6a mutation and test it in an in vitro and mouse skin model. This siRNA agent ultimately advanced to a first-in-man Phase I clinical trial led by Dr. Leachman.

Translational research. Dr. Leachman has utilized data and samples from her research cohorts for a wide variety of translational studies. These studies include identification and testing of molecular markers of response to therapy, global expression profiling and genomic analysis of cultured human melanocytic cells, immunohistochemical analyses of human tissues for biomarkers, and validation of findings from pre-clinical mouse trials (chemoprevention agents) in humans. In addition to the Melanoma Community Registry resource, the Department of Dermatology and Knight Cancer Institute have formal clinical trial units and dermatopathology and molecular pathology CAP-certified (and CLIA-certified) laboratories that provide translational research support to her group. In addition, Dr. Leachman has led the first and is currently leading an update on the International Melanoma Genetics Consortium's (GenoMEL) consensus guidelines on melanoma genetic testing. She chairs the American Academy of Dermatology's Melanoma Committee, which is pushing forward a stratified skin cancer screening program based on risk data. Dr. Leachman co-chairs the Melanoma Prevention Working Group, a joint program between the Southwest Oncology, Eastern Oncology, and CALGB NCI Cooperative Groups, which serves as the major melanoma prevention working group in the USA.

Clinical research. Dr. Leachman has a track-record of moving molecular agents into clinical trials as well as directing industry-sponsored trials in melanoma. She was able to move a single nucleotide siRNA from discovery, through pre-clinical animal studies, through the FDA IND-approval process, and into a successful investigator-initiated Phase I clinical trial for pachyonychia congenita. Although the agent has not moved forward due to delivery obstacles (intralesional injection was poorly tolerated in this condition), the agent remains available for re-evaluation in a topical formulation. She and her colleagues also obtained IND permission to test N-acetylcysteine, one of the candidate chemoprevention agents in their pipeline, in high-risk patients. She was also site PI of the first prospective chemoprevention trial for melanoma using lovastatin. Her lab is poised at this time to move two additional chemoprevention candidates for melanoma into early-phase clinical trials and also to ultimately test any successful agent in her high-risk melanoma cohort. Dr. Leachman has also worked with Castle Biosciences, Merck, Myriad Genetic Laboratories, Orlicent, Inc., Sklip, Inc., and DermDetect, Inc. to investigate molecular and imaging technologies for melanoma in clinical studies and trials.

Population science and public health (Oregon's War on Melanoma™). Upon Knight Cancer Institute's successful billion-dollar fundraising challenge for early detection of cancer in 2015, Dr. Leachman launched the Melanoma and Skin Cancer Program's War on Melanoma™. The War on Melanoma™ is a statewide public health program designed to improve early detection of melanoma through stratified education and screening (www.WarOnMelanoma.org). Full-spectrum community outreach and education occurs in the lay population (with an emphasis on rural communities), the licensed skin services community, the primary care provider community, and the dermatology and multidisciplinary melanoma provider community. The Oregon cohort (Melanoma Community Registry) provides a foundation for this patient-centered project, supplemented by collaboration with the Oregon State Medical Board for access to licensed skin-care professionals and providers. Outreach to the lay population includes online

education (www.StartSeeingMelanoma.com); social media, billboard, and e-mail campaigns; radio and TV public service announcements; recommendation of MoleMapper, an iPhone mole-tracking application developed at OHSU; and e-visit access to OHSU dermatologists. Outreach to primary care providers includes an online educational toolkit with continuing medical education opportunities; virtual dermoscopy training roundtable; risk assessment tools for clinic; educational materials for their patients; and e-consult services with OHSU dermatology. Resources for melanoma experts include access to Dermatology's new Skin Imaging and Technology Center with access to digital sequential dermoscopy and total body imaging services, in vivo confocal microscopy services, and access to virtual multidisciplinary tumor board review. Use and effectiveness metrics have been established for most of these interventions in order to assess value of the program components relative to melanoma incidence, prognosis, and mortality rates.

Technology and innovation. The use of technology can dramatically improve early detection of melanoma in low-access and rural areas as well as improve detection at the earliest stages of the disease. Developed by Dr. Leachman's team, MoleMapper™ is a cellphone app available in Apple®'s App Store. Part of the ResearchKit suite of apps, MoleMapper™ facilitates data collection for melanoma research and, potentially, impacts health outcomes in individuals at risk for melanoma. MoleMapper™ tracks moles and how they change and grow over time. MoleMapper™ also reminds users to re-check moles regularly. By sharing mole images over time, researchers can develop new ways of evaluating moles and may be able to tell whether the user should see a doctor or have a mole removed based on a cell phone picture. The images collected in this crowdsourced way may ultimately fuel our artificial intelligence program that will permit automated screening, at least for triage purposes. In addition to MoleMapper™, Dr. Leachman has launched a Skin Imaging and Technology Center that is facilitating home dermoscopy and PCP-provided consultative dermoscopy with Sklip™. The Center offers clinical in vivo reflectance confocal microscopy to avoid unnecessary biopsies and detect the earliest changes and borders of melanoma without a traditional biopsy. Dr. Leachman has introduced digital pathology into the department as well as molecular diagnostic and prognostic tools. The Imaging Center photonics and engineering research faculty are collaborating with investigators in ophthalmology to transform ocular optical coherence tomography into a skin device. They are also participating in clinical trials to test gene expression profiling, tape stripping, fluorescent dermoscopy, and other methods for melanoma early detection.

Behavioral and social psychology research. Dr. Leachman's work with genetically predisposed populations revealed that knowledge and understanding of their high-risk status was insufficient to precipitate change in prevention behaviors such as photo-protection, skin self-exam, or compliance with recommended provider skin exams. Our group was the first to demonstrate that genetic test reporting in a high-risk cohort increases compliance with prevention recommendations. Dr. Leachman and colleagues' work has focused on better understanding of the cognitive "switch" that leads to increased compliance. She and colleagues have also worked with high-risk families to investigate how education and mutation testing impacts children. These ongoing behavioral studies bridge the gap between molecular genetic technologies (mutations that predict risk) and implementation of behavioral changes that are necessary to reduce disease.

GRANTS & CONTRACTS:

Federal Active

6/01/15 - 11/30/22 5 R13 AR009431-55
Montagna Symposium on the Biology of Skin
Principal Investigator: Sancy A. Leachman
Direct Costs: \$40,000 Total Costs: \$40,000
NIH NIAMS, NIA
Role: Principal Investigator (10% effort)

Federal Pending

TBD, 1.5 years R44 CA1019914
AIRISE (In Situ Tumor Vaccination with a Nano-oligo Therapeutic to Induce
Whole-body Antitumor Immune Response)
Principal Investigator: Wassana Yantasee
Total Costs: \$2.5 million
PDX Pharma (NIH NCI)
Role: Consultant

Federal Previous

8/10/18 - 7/31/19 1 R13 AR074279-01
2018 PASPCR Annual Meeting: "Melanoma to Vitiligo: The Melanocyte in
Biology & Medicine"
Principal Investigator: Sancy A. Leachman
Direct Costs: \$18,000 Total Costs: \$18,000
NIH NIAMS, NIEHS
Role: Principal Investigator

04/08/11 - 03/31/18 R01 CA158322
Impact of Melanoma Genetic Testing on Health Cognitions and Prevention
Behaviors
Principal Investigators: Lisa G. Aspinwall and Sancy A. Leachman
Direct Costs: \$818,123 Total Costs: \$1,222,443
NIH NCI
Role: Principal Investigator (10% effort)

07/01/16 - 06/20/17 Developing Infrastructure for Patient-Centered Melanoma Research II
Principal Investigator: Sancy A. Leachman
Direct Costs: \$7,150.00 Total Costs: \$7,865.00
Sub award from Colorado Foundation for Public Health & the Environment /
PCORI
Role: Principal Investigator (.9 % effort)

07/01/15 - 03/31/16 Developing Infrastructure for Patient-Centered Melanoma Research
Principal Investigator: Sancy A. Leachman
Direct Costs: \$7,150.00 Total Costs: \$7,865.00

	<p>Sub award from Colorado Foundation for Public Health & the Environment / PCORI</p> <p>Role: Principal Investigator (.9 % effort)</p>
02/01/14 - 01/31/16	<p>R21 CA183440</p> <p>How p16 and MC1R Mutations Synergistically Exacerbate Melanoma Risk</p> <p>Principal Investigators: Zalfa Abdel-Malek and Sancy A. Leachman</p> <p>Annual Direct Costs: \$162,799</p> <p>Sub award from University of Cincinnati / NIH NCI</p> <p>Role: Principal Investigator (5% effort)</p>
07/01/09 - 06/30/14	<p>R01 ES017561</p> <p>Impact of MC1R Functional Variants on the DNA Damage Response of Human Melanocytes</p> <p>Principal Investigator: Zalfa Abdel-Malek and Sancy A. Leachman</p> <p>Direct Costs: \$50,306 Total Costs: \$75,711</p> <p>Sub award from University of Cincinnati / NIH NIEHS</p> <p>Role: Co-Principal Investigator</p>
08/01/12 - 03/31/13	<p>R13 AR063595</p> <p>17th Annual Meeting of the Pan American Society of Pigment Cell Research</p> <p>Principal Investigator: Sancy A. Leachman</p> <p>Direct Costs: \$25,000 Total Costs: \$25,000</p> <p>NIH NIAMS</p> <p>Role: Principal Investigator</p>
11/01/10 - 04/29/11	<p>HHSN261200433000C/N01 CN43300</p> <p>Human Melanoma: Early Biomarkers/Targets of Progression and Prevention</p> <p>Principal Investigator: Keith Crist</p> <p>NCI subproject N201143</p> <p>Principal Investigator: Sancy A. Leachman</p> <p>Direct Costs: \$136,863 Total Costs: \$205,979</p> <p>Sub award from the University of Toledo / NIH NCI</p> <p>Role: Principal Investigator</p>
09/27/10 - 10/26/12	<p>W81XWH-10-2-0185</p> <p>Molecular Determinants of Melanoma Susceptibility and Progression</p> <p>Direct Costs: \$240,997 Total Costs: \$362,700</p> <p>U.S. Department of Defense</p> <p>Role: Co- Principal Investigator</p>
09/03/06 - 09/29/09	<p>Lovastatin Melanoma Pathobiology</p> <p>Principal Investigators: Frank Meyskens and Wolfram E. Samlowski</p> <p>Direct Costs: \$264,773 Total Costs: \$363,067</p> <p>University of California, Irvine / NIH NCI</p> <p>Role: Sub-Recipient Principal Investigator</p>

09/20/08 - 09/19/09	PC Independent Study Principal Investigator: Sancy A. Leachman Direct Costs: \$136,667 Total Costs: \$176,235 NIH NCRR Role: Principal Investigator
09/01/06 - 08/01/08	R03 CA125854 A New Method for Delivery of Selenium for Prevention of Melanoma Principal Investigator: Pamela Cassidy NIH NCI Role: Collaborator
09/01/03 - 08/01/08	R01 CA102422 Identification of Melanoma Predisposition Loci Principal Investigator: Lisa Cannon-Albright NIH NCI Role: Co-Investigator
09/01/06 - 08/01/08	R03 CA125761 Oxidative Stress and Melanoma Chemoprevention Principal Investigator: Douglas Grossman NIH NCI Role: Collaborator
06/01/05 - 06/01/06	Behavioral Aspects of Melanoma Patients Undergoing Care Principal Investigator: Lisa Aspinwall National Institutes of Health Role: Collaborator
01/01/02 - 12/01/04	Post-translational Modifications of DNA Damage Response Proteins as a Measure of Cellular Response to Low Doses of Ionizing RD Ray Warters US Department of Energy Role: Collaborator

State and Local Active

State and Local Previous

12/01/18 - 12/14/20	CEDAR Seed Grant War on Melanoma Early Detection Public Health Research Study Principal Investigator: Sancy Leachman Direct Costs: \$140,250 OHSU Knight Cancer Institute Role: Principal Investigator (2.5% effort)
05/01/14 - 12/31/15	2014-Knight Pilot-05 War on Melanoma

	Principal Investigators: Sancy Leachman and Jackilen Shannon Direct Costs: \$50,000 OHSU Knight Cancer Institute Role: Principal Investigator (0% effort)
09/01/11 - 08/31/12	UCAN Sponsorship Principal Investigator: Sancy A. Leachman Direct Costs: \$1,000 Total Costs: \$1,000 Utah Cancer Action Network Role: Principal Investigator
07/01/10 - 06/30/11	The SCOPE Project: Skin Cancer Outdoor Prevention Education Principal Investigator: Jeffrey Paul Yancey Direct Costs: \$4,552 Total Costs: \$4,552 Utah Cancer Action Network Role: Co-Investigator
06/01/05 - 05/01/06	A Prospective Longitudinal Study of Psychological and Behavior Responses to the Receipt of <i>p16</i> Genetic Testing Results Principal Investigator: Sancy A. Leachman University of Utah Role: Co-Principal Investigator
07/01/99 - 06/30/00	Systematic Identification of Genes Regulating Papillomavirus-Induced Transformation. Funding Incentive Seed Grant Program. Principal Investigator: Sancy A. Leachman Direct Costs: \$34,000 Total Costs: \$34,000 University of Utah Research Foundation Role: Principal Investigator

Other Support Active

01/01/19 - 12/31/21	Melanoma Tissue Bank Consortium (MTBC) Principal Investigator: Sancy A. Leachman Direct Costs: \$334,750 Total Costs: \$418,438 AIM at Melanoma Foundation Role: Principal Investigator (10% effort)
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Other Support Previous

02/18/15 - 12/31/20	Translational Studies of Piperine for Vitiligo Principal Investigator: Sancy A. Leachman Total Costs: \$125,000 Niramaya, LLC Role: Principal Investigator (0% effort)
05/01/10 - 09/30/13	Scibase International Melanoma Direct Costs: \$33,422 Total Costs: \$44,352

	<p>Scibase International Role: Co-Investigator Familial Melanoma Research (endowment)</p>
07/01/01 - 6/30/13	<p>Tom C. Mathews Jr. Foundation Principal Investigator: Sancy A. Leachman Huntsman Cancer Institute Role: Principal Investigator</p>
06/01/09 - 05/31/11	<p>Sulforaphane and Melanoma Principal Investigator: Sancy A. Leachman Direct Costs: \$100,000 Total Costs: \$100,000 Melanoma Research Foundation Role: Principal Investigator</p>
06/01/09 - 05/31/11	<p>De-Mystify Hereditary Melanoma Principal Investigator: Sancy A. Leachman Direct Costs: \$34,750 Total Costs: \$34,750 American Academy of Dermatology Role: Principal Investigator</p>
12/01/05 - 11/30/10	<p>Genetic and Environmental Determinants of Melanoma Principal Investigator(s): Lisa A. Cannon-Albright and Sancy A. Leachman Direct Costs: \$205,320 Total Costs: \$246,384 European Commission Role: Principal Investigator</p>
12/29/05 - 09/30/06	<p>Dermtech - Tape Stripping Principal Investigator: Sancy A. Leachman Direct Costs: \$5,412 Total Costs: \$6,900 DermTech International Role: Principal Investigator</p>
07/01/05 - 06/30/06	<p>Detection and Characterization of Premalignant Transformation of Melanoma. Technology Commerce Program. Cost Reimbursable. Principal Investigator: Sancy A. Leachman Direct Costs: \$70,000 Total Costs: \$70,000 Dermatology Foundation Role: Principal Investigator</p>
07/01/04 - 06/30/05	<p>Elucidation of the Role of the Melanocortin 1 Receptor Gene as a Melanoma Susceptibility Gene. Cost Reimbursable. Principal Investigator: Sancy A. Leachman Direct Costs: \$20,000 Total Costs: \$20,000 Dermatology Foundation Role: Principal Investigator</p>

07/01/00 - 06/30/04	<p>Familial Melanoma</p> <p>Principal Investigator: Sancy A. Leachman</p> <p>Direct Costs: \$500,000 Total Costs: \$500,000</p> <p>Doris Duke Charitable Foundation (DDCF)</p> <p>Role: Principal Investigator</p>
07/01/00 - 06/30/03	<p>Identification of Molecular Pathways Regulating Papillomavirus-Induced Transformation. Cost Reimbursable. Closed11-6-00.</p> <p>Principal Investigator: Sancy A. Leachman</p> <p>Direct Costs: \$55,000 Total Costs: \$55,000</p> <p>Dermatology Foundation</p> <p>Role: Principal Investigator</p>
04/01/00 - 11/01/02	<p>Basic Science Phase 1 Trial for Inhibition of DNA Methylation by Continuous Fusion of 5 AZA 2 Deoxycytidine (Decitabine)</p> <p>Principal Investigator: Sancy A. Leachman</p> <p>Supergen Inc</p> <p>Role: Co-Principal Investigator</p>
09/01/98 - 07/01/01	<p>Fellow-to-Faculty Transition Program</p> <p>Howard Hughes Medical Institute</p> <p>Role: Trainee</p>
07/01/99 - 04/24/00	<p>Systematic Identification of Genes Regulating Papilloma Virus Induced Transformation. Cost Reimbursable.</p> <p>Principal Investigator: Sancy A. Leachman</p> <p>Direct Costs: \$25,000 Total Costs: \$25,000</p> <p>Dermatology Foundation</p> <p>Role: Principal Investigator</p>
1996 - 1998	<p>NIH Training Fellowship</p> <p>Yale University, Department of Dermatology</p> <p>Role: Trainee</p>
1985 - 1993	<p>NIH Medical Scientist Training Program, Grant Recipient</p> <p>University of Texas</p> <p>Role: Trainee</p>
1985 - 1986	<p>Southwestern Medical Foundation Scholarship</p> <p>Role: Trainee</p>

Grants as mentor

10/1/21 – 09/30/24	<p>Preventing Metastasis of High Risk Melanoma</p> <p>Principal Investigator: Wesley Yu</p> <p>Direct Costs: \$300,000</p> <p>Department of Defense</p> <p>Role: Mentor (0% FTE)</p>
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07/01/21 – 06/30/22	Preventing Metastasis of High Risk Melanoma Principal Investigator: Wesley Yu Direct Costs: \$165,000 Dermatology Foundation Role: Mentor (0% FTE)
07/01/21 – 06/30/22	Melanoma Antigen Dispersal Pathways in the Lymph Node: Direct Anti-tumor T Cell Reactivity Principal Investigator: Megan Ruhland Direct Costs: \$135,000 Harry J. Lloyd Charitable Trust Role: Mentor (0% FTE)
01/21/21 – 12/31/21	Preventing Metastasis of Genetically High Risk Melanoma Principal Investigator: Wesley Yu Direct Costs: \$30,000 Collins Medical Trust Role: Mentor (0% FTE)
07/01/20 – 06/30/22	Multimedia Learning for Melanoma Prevention and Early Detection Education Principal Investigator: Carter Haag Direct Costs: \$80,000 Melanoma Research Foundation Role: Mentor (0% FTE)
01/01/20 – 12/31/23	Family-focused melanoma preventive intervention for children of survivors Principal Investigator: Yelena Wu Direct Costs: \$675,500 American Cancer Society Role: Mentor (0% FTE)
05/20/20 – 12/20/21	Implementing Evidence-based Primary Prevention Interventions focused on Liver, Cervical, and Skin Cancer in Childhood Principal Investigator: Rosmaria Frutos, Kerri Lopez Direct Costs: \$50,000 Centers for Disease Control Role: Collaborator with Northwest Portland Area Indian Health Board – Northwest Tribal Comprehensive Cancer Control Program (0% effort)
05/01/20 – 05/01/21	Applying Cognitive Theory of Multimedia Learning to Melanoma Prevention Education in High School Adolescents Principal Investigator: Victoria Orfaly Direct Costs: \$3,000 Melanoma Research Foundation Role: Mentor 0% FTE
05/15/16 – 05/14/19	Lymphatic Vessels and T cell-Inflammation in Melanoma

Principal Investigator: Amanda Lund
Direct Costs: \$225,000
Melanoma Research Foundation
Role: Mentor (0% FTE)

09/01/15 – 08/31/19 Melanoma-Associated Lymphangiogenesis, Immune Suppression, and Response to Targeted Therapy
Principal Investigator: Amanda Lund
Direct Costs: \$358,850
Department of Defense
Role: Mentor (0% FTE)

08/01/15 – 07/31/20 Translational approaches to melanoma prevention in children at high genetic risk
Principal Investigator: Yelena Wu
Direct Costs: \$631,666
NIH / NCI
Role: Mentor (0% FTE)

Mentored Grants (Pending)

10/01/21 – 09/30/24 Targeting dendritic cell programming to boost anti-tumor T cell responses
Principal Investigator: Megan Ruhland
Direct Costs: \$180,000
Edward Mallinckrodt, Jr. Foundation
Role: Mentor (0% FTE)

PUBLICATIONS & CREATIVE WORK:

Peer-reviewed

1. Gonzales FR, **Leachman S**, Norgard MV, Radolf JD, McCracken GH Jr, Evans C, Hansen EJ. (1987). Cloning and expression in Escherichia coli of the gene encoding the heat-modifiable major outer membrane protein of Haemophilus influenzae type b. *Infect Immun*, 55(12), 2993-3000.
2. **Leachman SA**, Gallagher PJ, Herring BP, McPhaul MJ, Stull JT. (1992). Biochemical properties of chimeric skeletal and smooth muscle myosin light chain kinases. *J Biol Chem*, 267(7), 4930-8.
3. **Leachman SA**, Insogna KL, Katz L, Ellison A, Milstone LM. (1999). Bone densities in patients receiving isotretinoin for cystic acne. *Arch Dermatol*, 135(8), 961-5.
4. **Leachman SA**, Tigelaar RE, Shlyankevich M, Slade MD, Irwin M, Chang E, Wu TC, Xiao W, Pazhani S, Zelterman D, Brandsma JL. (2000). Granulocyte-macrophage colony-stimulating factor priming plus papillomavirus E6 DNA vaccination: effects on papilloma formation and regression in the cottontail rabbit papillomavirus--rabbit model. *J Virol*, 74(18), 8700-8.

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7. **Leachman SA**, Shylankevich M, Slade MD, Levine D, Sundaram RK, Xiao W, Bryan M, Zelterman D, Tiegelaar RE, Brandsma JL. (2002). Ubiquitin-fused and/or multiple early genes from cottontail rabbit papillomavirus as DNA vaccines. *J Virol*, 76(15), 7616-24.
8. Florell SR, Boucher KM, **Leachman SA**, Azmi F, Harris RM, Malone JC, Martignoni G, Bowen GM, Gerwels JW, Hood AF. (2003). Histopathologic recognition of involved margins of lentigo maligna excised by staged excision: an interobserver comparison study. *Arch Dermatol*, 139(5), 595-604.
9. Florell SR, Schmidt SJ, Porter-Gill P, Albertine KH, Murphy KJ, McKinney CB, Boucher KM, Grossman D, Biddle DL, Clayton F, Layfield LJ, **Leachman SA**. (2003). Novel application of a fibrin cell block method to evaluate melanocytic cell populations. *Pigment Cell Res*, 16(6), 662-9.
10. Call TR, Boucher KM, Whiting BL, Hart M, Newman K, Kinney AY, Bowen GM, Zone JJ, Branson D, **Leachman SA**. (2004). Motivating factors for attendance of skin cancer screenings. *J Am Acad Dermatol*, 51(4), 642-4.
11. Herron MD, Vanderhooft SL, Smock K, Zhou H, **Leachman SA**, Coffin C. (2004). Proliferative nodules in congenital melanocytic nevi: a clinicopathologic and immunohistochemical analysis. *Am J Surg Pathol*, 28(8), 1017-25.
12. Florell SR, Meyer LJ, Boucher KM, Porter-Gill PA, Hart M, Erickson J, Cannon-Albright LA, Pershing LK, Harris RM, Samlowski WE, Zone JJ, **Leachman SA**. (2004). Longitudinal assessment of the nevus phenotype in a melanoma kindred. *J Invest Dermatol*, 123(3), 576-82.
13. Pond CD, **Leachman SA**, Warters RL. (2004). Accumulation, activation and interindividual variation of the epidermal TP53 protein in response to ionizing radiation in organ cultured human skin. *Radiat Res*, 161(6), 739-45.
14. Florell SR, Boucher KM, Garibotti G, Astle J, Kerber R, Mineau G, Wiggins C, Noyes RD, Tsodikov A, Cannon-Albright LA, Zone JJ, Samlowski WE, **Leachman SA**. (2005). Population-based analysis of prognostic factors and survival in familial melanoma. *J Clin Oncol*, 23(28), 7168-77.
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16. Samlowski WE, **Leachman SA**, Wade M, Cassidy P, Porter-Gill P, Busby L, Wheeler R, Boucher K, Fitzpatrick F, Jones DA, Karpf AR. (2005). Evaluation of a 7-day continuous intravenous infusion of decitabine: inhibition of promoter-specific and global genomic DNA methylation. *J Clin Oncol*, 23(17), 3897-905.

17. Warters RL, Adamson PJ, Pond CD, **Leachman SA**. (2005). Melanoma cells express elevated levels of phosphorylated histone H2AX foci. *J Invest Dermatol*, 124(4), 807-17.
18. Eliason MJ, Larson AA, Florell SR, Zone JJ, Cannon-Albright LA, Samlowski WE, **Leachman SA**. (2006). Population-based prevalence of CDKN2A mutations in Utah melanoma families. *J Invest Dermatol*, 126(3), 660-6.
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23. Cotter MA, Thomas J, Cassidy P, Robinette K, Jenkins N, Florell SR, **Leachman S**, Samlowski WE, Grossman D. (2007). N-acetylcysteine protects melanocytes against oxidative stress/damage and delays onset of ultraviolet-induced melanoma in mice. *Clin Cancer Res*, 13(19), 5952-8.
24. Eliason MJ, Hansen CB, Hart M, Porter-Gill P, Chen W, Sturm RA, Bowen G, Florell SR, Harris RM, Cannon-Albright LA, Swinyer L, **Leachman SA**. (2007). Multiple primary melanomas in a CDKN2A mutation carrier exposed to ionizing radiation. *Arch Dermatol*, 143(11), 1409-12.
25. Goldstein AM, Chan M, Harland M, Hayward NK, Demenais F, Bishop DT, Azizi E, Bergman W, Bianchi-Scarra G, Bruno W, Calista D, Albright LA, Chaudru V, Chompret A, Cuellar F, Elder DE, Ghiorzo P, Gillanders EM, Gruis NA, Hansson J, Hogg D, Holland EA, Kanetsky PA, Kefford RF, Landi MT, Lang J, **Leachman SA**, MacKie RM, Magnusson V, Mann GJ, Bishop JN, Palmer JM, Puig S, Puig-Butille JA, Stark M, Tsao H, Tucker MA, Whitaker L, Yakobson E. (2007). Features associated with germline CDKN2A mutations: a GenoMEL study of melanoma-prone families from three continents. *J Med Genet*, 44(2), 99-106.
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29. Warters RL, Williams DL, Zhuplatov SB, Pond CD, **Leachman SA**. (2007). Protein phosphorylation in irradiated human melanoma cells. *Radiat Res*, 168(5), 535-44.
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36. Seltzer MH, **Leachman SA**. (2008). Breast cancer and melanoma in the same pedigree. *Dermatol Online J*, 14(11), 1.
37. Aspinwall LG, Leaf SL, Kohlmann W, Dola ER, **Leachman SA**. (2009). Patterns of photoprotection following CDKN2A/p16 genetic test reporting and counseling. *J Am Acad Dermatol*, 60(5), 745-57.
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69. Hawkes JE, Cassidy PB, Manga P, Boissy RE, Goldgar D, Cannon-Albright L, Florell SR, **Leachman SA**. (2013). Report of a novel OCA2 gene mutation and an investigation of OCA2 variants on melanoma risk in a familial melanoma pedigree. *J Dermatol Sci*, 69(1), 30-7.
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Abstracts & Posters

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4. Florell SR, Boucher KM, Leachman SA, Farrukh A, Harris RM, Malone J. (2002). Histopathologic recognition of involved margins of lentigo maligna excised by staged excision: an interobserver comparison study. Poster session presented at International Academy of pathology Meeting, Chicago, IL.
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11. Pond CD, Leachman SA, Warters RL. (2003). Accumulation and activation of the p53 protein in human skin in response to ionizing radiation. Poster session presented at American Association for Cancer Research, Washington, D.C.
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28. Florell SR, Meyer LJ, Boucher KM, Cannon-Albright LA, Harris RM, Samlowski WE, Zone JJ, Leachman SA. (2007). Increased melanocytic nevi and nevus density in a G-34T CDKN2A melanoma-prone kindred. Poster session presented at The Society for Investigative Dermatology, Long Beach, CA.
29. Kaspar RL, Hickerson RP, Pho L, Leachman SA. (2007). Rapamycin selectively inhibits expression of an inducible keratin (K6a) in human keratinocytes and alters clinical symptoms in an off-label study in pachyonychia congenita patients. Poster session presented at The Society for Investigative Dermatology, Long Beach, CA.
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39. Warters RL, Zhuplatov S, Leachman SA. (2008). The nuclear matrix phosphoproteome of skin cells and their cancers. Poster session presented at The American Association of Cancer Research (AACR), San Diego, CA.
40. Wilson NJ, Messenger AG, Leachman SA. (2008). Keratin K6c mutations cause focal keratoderma. Poster session presented at International Investigative Dermatology, Kyoto, Japan.
41. Abdel-Malek ZA, Kadekaro AL, Swope V, Starner R, Supp D, Wakamatsu K, Ito S, Cassidy P, Leachman SA. (2009). Correlation of the MC1R genotype with the UV response of human melanocytes: implications on melanoma susceptibility. Poster session presented at 15th PanAmerican Society for Pigment Cell Research Conference, Memphis, TN.
42. Harris K, Florell SR, Papenfuss J, Kohlmann W, Bowen GM, Leachman SA. (2009). Multiple pagetoid spitz nevi. Poster session presented at The Society of Investigative Dermatology, Montreal, Canada.
43. Hickerson RP, Leachman SA, Pho LN, Smith FD, McLean W, Leake D, Milstone LM, Kaspar RL. (2009). Further pre-clinical characterization of TD101 - the first siRNA to enter clinical trials for a skin disorder. Poster session presented at The Society of Investigative Dermatology, Montreal, Canada.
44. Leachman SA, Hicherson RP, Schwartz ME, Bullough EE, Hutcherson SL, Boucher KM, Hansen CD, Eliason MJ, Srivatsa GS, Kornbrust DJ, Smith FD, McLean W, Milstone LM, Kaspar RL. (2009). Mutation-specific siRNA resolves callus in a pachyonychia congenita patient. Poster session presented at The Society of Investigative Dermatology, Montreal, Canada.
45. Wilson LH, Gawlick U, Noyes RD, Florell S, Coleman L, Bowen A, Blaser J, Lundell R, Harris R, Bowen GM, Leachman SA, Grossman D, Andtbacka RHI. (2009). Sentinel lymph node biopsy in atypical spitzoid tumors. Poster session presented at The Society of Surgical Oncology, Phoenix, AZ.
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Conference, Orlando, FL.

47. Hawkes JE, Campbell J, Garvin D, Cannon-Albright L, Cassidy P, Leachman SA. (2012). Familial melanoma pedigrees with an increased incidence of uveal melanoma and blue nevi: absence of germline mutations in exon 5 of GNAQ and GNA11. Poster session presented at SMR Meeting, Los Angeles, CA.
48. Linden KG, Leachman SA, Zager JS, Jakowatx J, Viner JL, Barr RJ, Carpenter PM, McLaren CM, Chen WP, Elmets CA, Tangrea JA, Lim SJ, Cochran A, Meyskens F. (2012). A clinical trial of lovastatin for reversing atypia in nevi. Presented at Society for Melanoma Research 2012 Congress.
49. Wu YP, Aspinwall LG, Grahmann B, Mooney R, Kohlmann W, Leachman S. (2016). Why do children at elevated risk for melanoma not engage in preventive behaviors? *Ann Behav Med*, 50 (Suppl 1):S1-S335. Poster presented at The Society of Behavioral Medicine Annual Meeting, Washington, DC.
50. Lisa G. Aspinwall, Tammy K. Stump, Jennifer M. Taber, Wendy Kohlmann, Marjan Champine, Danielle Drummond, Pamela Cassidy, Sancy Ann Leachman. (2017). Melanoma genetic testing promotes reductions in tanning: Results from the Utah BRIGHT Project. ASCO Annual Meeting, Chicago, IL.
51. John T. Vetto, Sancy Leachman, Brooke M. Middlebrook, Kyle R. Covington, Jeffrey D. Wayne, Pedram Gerami, Jonathan S. Zager. (2017). Performance of a 31-gene expression profile (GEP) test for metastatic risk prediction in cutaneous melanomas (CM) of the head & neck. ASCO Annual Meeting, Chicago, IL.
52. Nagelhout ES, Grahmann-Parsons B, Patil A, Aspinwall L, Boucher KM, Kohlmann W, Kaphingst KA, Homburger S, Perkins RD, Grossman D, Harding G, Leachman SA, Wu YP. (2017). Delivery of Novel Educational Intervention to Increase Knowledge and Perceived Risk for Melanoma among Children with Familial Risk for Melanoma. Annual American Public Health Association Conference, Atlanta, GA.
53. Leachman, SA, Stoos, E, Cassidy, P, Lapidus, J, Petrie, T, Sonmez, K, Berry, E, Etziona, R. (2019) War on Melanoma: Early Detection Campaign, Society for Investigative Dermatology Meeting, Washington, DC.

Case Reports

1. Parker JF, Florell SR, Alexander A, DiSario JA, Shami PJ, **Leachman SA**. (2003). Pancreatic carcinoma surveillance in patients with familial melanoma. *Arch Dermatol*, 139(8), 1019-25.
2. Alexander A, Harris RM, Grossman D, Bruggers CS, **Leachman SA**. (2004). Vulvar melanoma: diffuse melanosis and metastasis to the placenta. *J Am Acad Dermatol*, 50(2), 293-8.
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5. Harris K, Florell SR, Papenfuss J, Kohlmann W, Jahromi M, Schiffman JD, Quackenbush J, Cassidy P, **Leachman S**. (2012). Melanoma mimic: a case of multiple pagetoid Spitz nevi. *Arch Dermatol*, 148(3), 370-4.
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7. Slaughter C, Berry EG, Bacik L, Skalet AH, Anadiotis G, Tuohy T, **Leachman SA**. (2021). Clinical challenges in interpreting multiple pathogenic mutations in single patients. *Hered Cancer Clin Pract*, 19(1), 15. PMID: 33541411.

Letters & Editorials

1. Florell SR, Boucher KM, Holden JA, Meyer LJ, Samlowski WE, Cannon-Albright LA, Zone JJ, Leachman SA. (2002). Failure to detect differences in proliferation status of nevi from CDKN2A mutation carriers and non-carriers. [Letter to the editor]. *J Invest Dermatol*, 118(2), 386-7.
2. Milstone LM, Insogna KL, Leachman SA. (2005). Isotretinoin does have an adverse effect on bone mineral density. [Letter to the editor]. *J Am Acad Dermatol*, 53(1), 181; author reply 182-3.
3. Florell SR, Meyer LJ, Boucher KM, Hart M, Cannon-Albright LA, Harris RM, Grossman D, Samlowski WE, Zone JJ, Brinton JP, Leachman SA. (2005). Nevus distribution in a Utah melanoma kindred with a temperature-sensitive CDKN2A mutation. [Letter to the editor]. *J Invest Dermatol*, 125(6), 1310-2.
4. Cotter MA, Florell SR, Leachman SA, Grossman D. (2007). Absence of senescence-associated beta-galactosidase activity in human melanocytic nevi in vivo. [Letter to the editor]. *J Invest Dermatol*, 127(10), 2469-71.
5. Leachman S. (2007). Training with Aaron Lerner. [In Memoriam]. *J Invest Dermatol*, 127(9), 2094-6.
6. Florell SR, Meyer LJ, Boucher KM, Grossman D, Cannon-Albright LA, Harris RM, Samlowski WE, Zone JJ, Leachman SA. (2008). Increased melanocytic nevi and nevus density in a G-34T CDKN2A/p16 melanoma-prone pedigree. [Letter to the editor]. *J Invest Dermatol*, 128(8), 2122-5.
7. Manga P, Hoek KS, Davids LM, Leachman SA. (2010). From melanocyte to malignant metastatic melanoma. [Editorial]. *Dermatol Res Pract*, pii: 798324.

8. Curtis JA, Tanner P, Hull CM, Leachman SA. (2015). Reply to "Nail curing UV lamps: Trivial exposure not cause for public alarm." *J Am Acad Dermatol*, 73(5):e187.
9. Cassidy PB, Abdel-Malek ZA, Leachman SA. (2015). Beyond Red Hair and Sunburns: Uncovering the Molecular Mechanisms of MC1R Signaling and Repair of UV-Induced DNA Damage. [Commentary]. *J Invest Dermatol*, 135(12), 2918-21.
10. Leachman SA, Merlino G. (2017). Medicine: The final frontier in cancer diagnosis. [Commentary]. *Nature*, 542(7639), 36-38.
11. Varedi A, Wu YP, Klein SZ, Leachman SA, Grossman D. (2018). Mineral sunscreens not recommended by Consumer Reports: suggestions to improve the review process. [Commentary]. *J Am Acad Dermatol*, 80(3), 832-33.
12. Reply to Reimann et al. Clarke LE, Leachman SA. *Mod Pathol*. 2019 May;32(5):725-727. doi: 10.1038/s41379-018-0197-1. Epub 2019 Jan 21. PMID: 30666051 No abstract available.
13. Varedi A, Gardner LJ, Kim CC, Chu EY, Ming ME, Leachman SA, Curiel-Lewandrowski C, Swetter SM, Grossman D. (2020). Use of new molecular tests for melanoma by pigmented-lesion experts. [Research Letter]. *J Am Acad Dermatol*, 82(1), 245-247.
14. Reply to: Comments on "Proposed approach for reusing surgical masks in COVID-19 pandemic. Liu Y, Leachman SA, Bar A. *J Am Acad Dermatol*. 2020 Sep;83(3):e229. doi: 10.1016/j.jaad.2020.05.084. Epub 2020 May 22. PMID: 324468.
15. Faries MB, Ascierto PA, Blank C, Cochran AJ, Delman K, Gyorki D, Haanen J, Hamid O, Han D, Karakousis G, Kashani-Sabet M, Leachman S, Moncrieff M, Plasmeijer E, Enrico Testori AA, Van Akkooi A, Wong S, Zager JS. (2021). Letter Regarding Editorial by Samuel Zagarella. [Letter to the editor]. *Am J Dermatopathol*, 43(7), 539-541. PMID: 33264129
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17. The State of Melanoma: Emergent Challenges and Opportunities. [Perspective]. *Clin Cancer Res*, 27(10), 2678-2679. PMID: 33414132

Patents

1. Pershing LK, **Leachman SA**. (2005). Skin type assessment and nevi screening for skin cancer with a non-invasive portable reflectance spectrophotometer. U.S. Patent No. 11-115-646. Washington, D.C.:U.S. Patent and Trademark Office.

INVITED LECTURES, CONFERENCE PRESENTATIONS & PROFESSORSHIPS:

International

- 2004 "Prognostic Factors and Survival in Familial Melanoma," Second International Melanoma Research Congress, Phoenix, AZ
- 2004 "An Ounce of Prevention, Sunscreens, and More," Winter Skin Seminar, Whistler, British Columbia, Canada
- 2004 "Hereditary Melanoma: Management of High Risk Patients," Winter Skin Seminar, Whistler, British Columbia, Canada
- 2005 "Pros & Cons of Genetic Testing," Sixth World Congress on Melanoma, Vancouver, British Columbia, Canada
- 2005 "Familial Melanoma: A Model for Translational Melanoma Research," University of Maastricht, The Netherlands
- 2005 "Update on Utah Melanoma Families," The Melanoma Consortium Meeting, Leiden, The Netherlands
- 2005 "Contemporary Management of the Dysplastic Nevus Syndrome," Second International Symposium on Melanoma and Other Cutaneous Malignancies, New York, NY
- 2006 "What You Need to Know About Pachyonychia Congenita," Pachyonychia Congenita Patient Support Meeting, Scotland
- 2006 "Hereditary Melanoma," Third International Symposium on Melanoma and Other Cutaneous Malignancies, New York, NY
- 2006 "Population-based Assessment of CDKN2A and Melanoma-associated Non-melanoma Cancer Incidence in Utah," Annual GenoMEL Meeting, Genoa, Italy
- 2007 "Progress on Pachyonychia Congenita," 1st World Congress on Genodermatology, Maastricht, The Netherlands
- 2007 "Genetic Differences Among Patients Based on Sun Exposure," Fourth International Symposium on Melanoma and Other Cutaneous Malignancies, New York, NY
- 2007 "Etiology, Epidemiology, and Molecular Biology: Implications for Therapeutic Intervention," First Global Workshop on Malignant Melanoma (PER), Puerto Rico
- 2008 "The Missing (Older) Man: How Can We Reach the People Most in Need of Skin Screening?" 2nd Annual World Meeting of Interdisciplinary Melanoma/Skin Cancer Centers Meeting, Clearwater Beach, FL
- 2008 "Should Genetic Testing be Used Clinically?" 5th International Symposium on Melanoma and Other Cutaneous Malignancies, New York, NY
- 2008 "How Genetic Test Reporting Affects Patient Screening and Adherence to Surveillance Recommendations," GenoMEL Conference, Paris, France

- 2009 "Genetherapy of Keratin Disorders," Ichthyosis Consensus Conference, Soreze, France
- 2009 "First-in-Skin siRNA Clinical Trial," Keystone Symposia: Therapeutic Modulation of RNA Using Oligonucleotides, Alberta, Canada
- 2009 "The Genetic Counseling Package," GenoMEL Melanoma Genetics Consortium Meeting, Ljubljana, Slovenia
- 2009 "TD101 Clinical Trial: Intradermal Injection of siRNA," International PC Consortium, Montreal, Quebec, Canada
- 2009 "Melanoma Genetic Counseling and Testing Improves Patient Compliance and Perceived Control," 3rd World Meeting of Interdisciplinary Melanoma/Skin Cancer Centers Conference, Berlin, Germany
- 2010 "Genetics of Melanoma: Impact on Diagnosis and Therapeutic Decisions," International Hematology/Oncology Forum: Spotlight on Melanoma, CML and Breast Cancer, Cancun, Mexico
- 2010 "Protection of UV-irradiated Epidermal Tissue from Donors with Loss-of-Function MC1R Genotypes by the Natural Product Sulforaphane," Pan American Society for Pigment Cell Research, Vancouver, BC, Canada
- 2011 "Genetic Counseling and Testing for Hereditary Melanoma Educational Package," GenoMEL Annual Conference, Israel
- 2011 "Hereditary Melanoma," 22nd World Congress of Dermatology, Seoul, Korea
- 2011 "The Role of Melanoma Genetic Testing in Prevention and Early Detection," Melanoma Research: A Bridge from Naples to the World, Naples, Italy
- 2011 "Novel Treatments for Keratin Mutations in Pachyonychia Congenita," Montagna Symposium on the Biology of Skin, Skamania, WA, October 2011
- 2013 "Cancer Prevention: What Will It take?" Milken Institute Global Conference, Los Angeles, CA
- 2013 "Melanoma Susceptibility Genes," 8th World Congress of Melanoma, Hamburg, Germany, July 2013
- 2013 "Melanoma Risk and Prevention: A Story of Pigmentation, Genetics, and Environment," Montagna Symposium of the Skin, Skamania, WA, October 2013
- 2013 "Melanoma Prevention Update," XIX Annual Meeting of the Italian Melanoma Intergroup (IMI), Naples, Italy, December 2013
- 2013 "The Role of Melanoma Genetic Testing in Prevention and Early Detection," Melanoma Bridge 2013, Naples, Italy, December 2013
- 2015 "An International Melanoma Community Registry: Where Do We Go from Here?" International Melanoma Working Group, Marseille, France, October 2015

- 2015 "Mole Mapper- A Paradigm Shift in Clinical Research for Early Detection of Melanoma," Society for Melanoma Research, San Francisco, CA, November 2015
- 2016 "Anti-oxidants and Pro-metastatic Behavior of Melanoma in Mice & Humans," International Melanoma Working Group, Zagreb, Croatia, March 2016
- 2017 "How can the War on Melanoma's Impact Be Extended to MPWG?" and "Waging War on Melanoma: Early Detection in Oregon and Beyond," International Pigment Cell Conference (IPCC), Denver, Colorado, August 2017
- 2017 "Mole Mapper™ and the War on Melanoma," Montagna on the Biology of Skin, Skamania, WA, October 2017
- 2018 "It's All About the Melanocyte," Melanoma, Vitiligo and XP Patient Symposium (Montagna Symposium/PASPCR Annual Meeting pre-conference), Gleneden Beach, OR, October 17, 2018
- 2018 "War on Melanoma: Oregon and Beyond," MPWG Meeting at the Montagna Symposium/PASPCR Annual Meeting, Gleneden Beach, OR, October 20, 2018
- 2018 "Prevention and Early Detection of Melanoma," Society for Melanoma Research Annual Meeting, Manchester, UK, October 26, 2018
- 2019 "A Population-Based Screening Program versus Opportunistic Screening and Early Detection," Australian Skin & Skin Cancer Summit, Brisbane, AUS, March 25, 2019
- 2021 "Revolutionizing Diagnosis & Management of Skin Diseases," World Congress of Confocal Microscopy, Virtual lecture, May 22, 2021

National

- 1996 "On the Border of Vitiliginous Versus Pigmented Skin," Pigment Club, American Academy of Dermatology, Washington, DC
- 1999 "Unusual Dermal Melanocytosis," Pigment Club, American Academy of Dermatology, New Orleans, LA
- 2000 "Isotretinoin and Bone Density," American Academy of Dermatology's Academy, Nashville, TN
- 2001 "Hereditary Melanoma," Yale University School of Medicine, Department of Dermatology Grand Rounds and Noon Lecture Series, New Haven, CT
- 2001 Melanoma Research Foundation Symposium
- 2001 "Melanocyte Transplantation for the Treatment of Vitiligo," Annual Meeting, American Academy of Dermatology, Anaheim, CA

- 2001 "Papillomavirus: From Verruca Vulgaris to Squamous Cell Carcinoma, Clinical Disease & Its Molecular Basis," American Academy of Dermatology 59th Annual Meeting, Washington, DC
- 2001 "Hereditary Melanoma," Department of Dermatology Grand Rounds and Noon Lecture Series, New Haven, CT
- 2003 "Is It Time for Genetic Testing for Melanoma?" Invited lecturer at the American Academy of Dermatology 2003 Meeting, San Francisco, CA
- 2003 "Diagnostic Targets for Early Detection of Melanoma," Invited speaker to CHI Conference, Santa Clara, CA
- 2003 "The Familial Melanoma Research Program in Utah," Invited speaker to Melanoma Consortium, Philadelphia, PA
- 2004 "To Test or Not to Test: p16 Genetic Testing in Familial Melanoma," American Academy of Dermatology, Washington, DC
- 2005 "The Role of Genetic Testing in Melanoma," Twenty-fourth Anniversary Fall Clinical Dermatology Conference, Las Vegas, NV
- 2005 "To Test or Not to Test: p16 Genetic Testing in Familial Melanoma," American Academy of Dermatology, New Orleans, LA
- 2005 "Drugs, Pregnancy, and the Skin" and "Melanoma Pregnancy," American Academy of Dermatology, New Orleans, LA
- 2006 "Hereditary Melanoma," 13th Annual PASPCR Meeting / The Melanocyte and its Environment, Cincinnati, OH
- 2006 "To Test or Not to Test: p16 Genetic Testing in Familial Melanoma," American Academy of Dermatology, San Francisco, CA
- 2007 "Genetic Testing for Melanoma Risk Stratification," Melanoma Care Coalition Regional Symposium, Cincinnati, OH
- 2007 "Screening for CDKN2A Mutations in Familial Melanoma: National Consensus" Melanoma Prevention Working Group (SWOG), Huntington Beach, CA
- 2007 "To Test or Not to Test: p16 Genetic Testing in Familial Melanoma," American Academy of Dermatology, Washington, DC
- 2008 "Cutaneous Cancer Syndromes," American Academy of Dermatology, San Antonio, TX
- 2008 "Structure and Function of the Skin - Nails and Pachyonychia Congenita," American Academy of Dermatology, San Antonio, TX
- 2008 "Bench to Bedside: Pachyonychia Congenita Project," 34th Annual Meeting Society of Pediatric Dermatology, Snowbird, UT

2008	"Population-based analysis of prognostic factors and survival in familial melanoma, data collection, management, what does it take?" SPORE Conference, New Haven, CT
2008	University of Massachusetts, Worcester, MA
2009	"Utilizing Utah Population Resources to Investigate Melanoma," University of New Mexico, Albuquerque, NM
2009	"siRNA Therapeutics for Pachyonychia Congenita," University of California/Irvine, Irvine, CA
2009	"Do I Need To Be Genetically Tested for Melanoma?" American Academy of Dermatology, San Francisco, CA
2009	"siRNA Therapeutics for the Treatment of Pachyonychia Congenita," American Academy of Dermatology, San Francisco, CA
2009	"An Ounce of Melanoma Prevention," 9th Annual Oncology Update: Advances and Controversies, Park City, UT
2009	"Population at Risk to Target for Melanoma Genetic Testing," American Academy of Dermatology, San Francisco, CA
2009	"Nails and Pachyonychia," American Academy of Dermatology, San Francisco, CA
2009	"Selenium for the Prevention and Treatment of Melanoma, 15th Meeting of PanAmerican Society for Pigment Cell Research, Memphis, TN
2009	"Mutation Specific siRNA Resolves Callus in a Pachyonychia Congenita Patient," 69th Annual Society for Investigative Dermatology Meeting, Montreal, Quebec, Canada
2009	"Current Understanding of the Genetics of Melanoma," Perspectives in Melanoma XIII, Baltimore, MA
2010	"The Role of Gene Mutations in New Therapies," AIM at Melanoma, Pittsburgh, PA
2010	"The Future – Clinical Trials and Studies," Society for Investigative Dermatology, Atlanta, GA
2010	"Frontiers in Preparing for Clinical Trials," Foundation for Ichthyosis and Related Skin Types, Orlando, FL
2010	"Nails and Pachyonychia Congenita," American Academy of Dermatology, Miami Beach, FL
2010	"Biological Therapies in Pregnancy," American Academy of Dermatology, Miami Beach, FL
2010	"Prevention Among High Risk Families," American Academy of Dermatology, Miami Beach, FL
2010	"Update on Melanoma Genetics," Atlanta Dermatological Association Conference, Atlanta GA

- 2010 "First-in-skin siRNA Therapeutic for Pachyonychia Congenita," Atlanta Dermatological Association Conference, Atlanta, GA
- 2010 "Overview of Cutaneous Cancer Syndromes," American Society of Clinical Oncology, Chicago, IL
- 2010 "Hereditary Melanoma: New Developments," 10th Annual Cancer Conference, Canton, OH
- 2012 "Gene-Environment Interactions in Melanoma," American Society of Clinical Oncology, Chicago, IL
- 2012 "Melanoma Chemoprevention: Is it Time?" University of Utah Department of Dermatology Grand Rounds
- 2013 Presenter: "Clinical Assessment of UV Oncogenesis in Human Melanoma and Its Precursors," Moderator: "Epidemiology, Genetics, Prevention and Melanoma Biology" session, Perspectives in Melanoma, Baltimore, MD, September 2013
- 2013 "Melanoma Prevention Update," Memorial Sloan Kettering Dermatopathology Grand Rounds Conference, New York, NY, October 2013
- 2013 "Melanoma Prevention Update," Howard Koh Lecture (Grand Rounds), Boston University, August 2013
- 2015 "Reducing the Burden of Melanoma: Genetics, Prevention Behaviors, and Patient Advocacy," Dermatology Grand Rounds Visiting Professor Lecture, New Haven, CT, July 2015
- 2015 "Melanoma Prevention Update," Procter & Gamble Scientific Lectureship Series, Cincinnati, OH, April 2015
- 2015 "Melanoma Chemoprevention Pipeline: Are Antioxidants the Answer?" Yale Visiting Professor Lecture Series, New Haven, CT, July 2015
- 2015 "Tincture of Tigelaar: Translating Ideas into Hypotheses That Get Tested," Robert Tigelaar Symposium, New Haven, CT, September 2015
- 2015 "Clinical Pearls," Winter Clinical Dermatology Conference, Maui, HI
- 2015 "Melanoma Update & Controversies in Skin Cancer Management, Prevention & Treatment," American Academy of Dermatology, San Francisco, CA
- 2015 "Melanoma Genetics: Risk & Diagnostic Implications," Real World Dermatology for Residents, Las Vegas, NV, June 2015
- 2016 "Mole Mapper: An iPhone App to Measure Moles," Melanoma Research Alliance, Washington, DC, February 2016
- 2016 "Genetics, Molecular Profiling and Epidemiology of Early Stage Melanoma," Winship Cancer Institute: 2016 Melanoma Conference, Atlanta, GA, February 2016

- 2016 "Vitiligo and Pigmentary Disorders" OHSU Department of Dermatology Grand Rounds, Portland OR, January 2016
- 2016 "Mole Mapper," AMIA 2016 – Joint Summits on Translational Science, San Francisco, CA, March 2016
- 2017 "Prevention and Screening of Melanoma," Leland R. Cowan Cancer Symposium Update on Diagnosis and Treatment of Melanoma, Salt Lake City, UT, February 2017
- 2017 "Waging War on Melanoma: Early Detection in Oregon & Beyond," Annual M. H. Samitz Lecture, University of Pennsylvania, Philadelphia, PA, November 2017
- 2018 "War on Melanoma: Taking It To The Streets with MoleMapper & Screening," Emory University, Winship Cancer Institute, Atlanta, GA, March 3, 2018
- 2018 "Oregon's War on Melanoma: Harnessing the Power of Early Detection," Kay Family Lectureship, Johns Hopkins University, Baltimore, MD, April 4, 2018
- 2018 "Technology & Early Detection of Melanoma," American Dermatology Association, Napa, CA, October 8, 2018
- 2018 "War on Melanoma: Early Detection in Oregon & Beyond," Everett C Fox Lectureship, Everett C. Fox Lectureship, University of Texas Southwestern, Dallas, TX, October 23, 2018
- 2018 "War on Melanoma: An Oregon Solution for Cancer Control," National Cancer Institute's Cancer Prevention Fellowship Program, Washington, DC, November 16, 2018
- 2019 "War on Melanoma: Oregon's Early Detection Experiment," American Association for Cancer Research: Melanoma from Biology to Target, Houston, TX, January 17, 2019
- 2019 "Genetic Testing for Melanoma: Who, What, When, Where & Why," University of Louisville's Winter Skin Seminar, Park City, UT, January 28, 2019
- 2019 "War on Melanoma: Early Detection in Oregon & Beyond," OHSU Department of OBGYN, Portland, OR, January 2019
- 2019 "Early Detection of Melanoma: From Genetic Testing to Technology-Driven Educational Campaigns," HemOnc Today, New York City, NY, June 6, 2019
- 2019 "Early Detection of Melanoma: From Genetic Testing to Technology-Driven Educational Campaigns," John Wayne Cancer Institute, Los Angeles, CA, June 12, 2019
- 2019 "War on Melanoma," The Inova Schar Cancer Institute's Melanoma & Cutaneous Oncology Primer, Washington, DC, October 19, 2019
- 2019 "Melanoma detection: Different tools for different populations," Cutaneous Oncology Primer, Las Vegas, NV, November 5, 2019
- 2019 "Melanoma detection: Oregon's Public Health Experiment," Society for Melanoma Research, Salt Lake City, UT, November 21, 2019

- 2020 "War on Melanoma: Oregon's Early Detection Experiment," Werthan Lecture, Vanderbilt University, August 20, 2020
- 2020 "War on Melanoma: Oregon's Early Detection Experiment," Katie Rodan & Kathy Fields Lecture, Stanford University, November 12, 2020
- 2020 "Oregon's War on Melanoma: A Public Health Early Detection Experiment," Melanoma Research Alliance, Washington, DC, February 26, 2020
- 2020 "War on Melanoma: Oregon and Beyond," Melanoma Know More, Cincinnati, OH, February 29, 2020
- 2020 "Melanoma Epidemiology & Prevention," Melanoma Research Foundation, Los Angeles, CA, June 4, 2020 (Virtual lecture)
- 2020 "Melanoma detection: Different tools for different populations," Providence Internal Medicine, Portland, OR, January 22, 2020
- 2020 "Melanoma detection: Different tools for different populations," Kaiser Hospital, Portland, OR, February 5, 2020
- 2021 "What You Need to Know: Diagnosing Melanoma," Melanoma Research Alliance, Virtual lecture, April 15, 2021
- 2021 "Sharing Genetic Test Results with People at High Risk of Melanoma to Motivate Behavior Change, Virtual lecture, May 13, 2021
- 2021 "The Mystique of Feminine Leadership: Style & Practice," Women in Melanoma Conference, Virtual lecture, May 22, 2021
- 2021 "Practical Updates Recognizing Skin Cancer in Primary Care," Dermatology Week, Virtual lecture, July 17, 2021

REGIONAL

- 1999 "Autologous Melanocyte Transfer for Vitiligo," Westwood Squibb Winter Skin Seminar, Snowbird, UT
- 2001 "The Familial Melanoma Research Clinic," Director Series, Huntsman Cancer Institute, Salt Lake City, UT
- 2001 "The Familial Melanoma Research Clinic," Melanoma Research Foundation Symposium at HCI, Salt Lake City, UT
- 2002 "The Huntsman Cancer Institute Familial Melanoma Research Program," Guest Lecturer at the Arizona Cancer Center, Tucson, AZ
- 2002 "Is It Time for Clinical Genetic Testing for Melanoma?" Invited speaker for Myriad Genetics, Salt Lake City, UT

- 2002 "Clinical Genetic Testing for Melanoma," Invited speaker at the Utah Dermatologic and Surgical Society Meeting, Zion, UT
- 2004 "Let the Sunshine In, But Protect Your Skin!" Speaking of Women's Health, local meeting of national conference, Salt Lake City, UT
- 2004 "The Melanoma Program at Huntsman Cancer Institute," Arizona Cancer Center, University of Arizona, Tucson, AZ
- 2005 "Skin Flix: Genetic Traits and Skin Cancer," University of Utah for the Genetic Science Learning Center, Natural History Museum, Salt Lake City, UT
- 2005 "Genetic Testing for Hereditary Melanoma," Utah Cancer Registry, LDS Hospital, Salt Lake City, UT
- 2006 "Pros & Cons of Melanoma Genetic Testing," Myriad Genetics, Inc., University Park Marriott Hotel, Salt Lake City, UT
- 2006 "Sun Safety: Protecting Our Children's Skin," Davis School District Fall Workshop, Bountiful, UT
- 2006 "Hereditary Melanoma: Where Do We Stand?" St. Joseph Hospital Regional Cancer Center Ninth Annual Melanoma Symposium, The Balboa Bay Club & Resort, Newport Beach, CA
- 2008 "Genetic Testing for Melanoma Risk Stratification," Pacific Dermatology Association Annual Meeting, San Francisco, CA
- 2008 "Discover the 'Super Powers' of Smart Skincare," Speaking of Women's Health, Salt Lake City, UT
- 2010 "Melanoma in Pregnancy," Current Trends in the Genetics of Melanoma and Clinical Implications, Tucson, AZ
- 2010 "Update on Hereditary Melanoma," Current Trends in the Genetics of Melanoma and Clinical Implications, Tucson, AZ
- 2013 "Melanoma Genetics and Prevention Update" and "NCI-Designated Cancer Institute," Oregon Dermatology Society Annual Meeting, Sunriver, OR, August 2013
- 2013 "Melanoma Prevention Update," Oregon State Cancer Registry Fall Workshop, Kaiser, OR, September 2013
- 2013 "Melanoma Prevention Update," Pommerening Invited Lectureship, University of Washington Dermatology Department, October 2013
- 2013 "Melanoma Prevention Update," NW Oregon Dermatology Nurses Association, Bend, OR, November 2013
- 2014 "Melanoma Prevention Update," OHSU 45th Annual Primary Care Review, Portland, Oregon, February 11, 2014

- 2015 "What's New in Vitiligo?" Pacific Dermatology Association Annual Meeting, Park City, UT
- 2015 "The War on Melanoma," Pacific Dermatology Association Annual Meeting, Park City, UT, Epstein Lecture
- 2015 "Declaring War on Melanoma," OHSU Marquam Hill Lecture Series, Portland, OR May 2015
- 2016 What You Need to Know if You Haven't Had Skin Cancer...Yet," War on Skin Cancer Event, Portland, OR, May 21, 2016
- 2017 "Melanoma and the Deep Learning Revolution," Center for Spoken Language Understanding, Portland, OR, March 21, 2017
- 2017 "Melanoma Prevention and Self Skin Exams," Melanoma Community Research Forum, Portland, OR, January 21, 2017
- 2017 "War on Melanoma Progress and Updates," Virtual Melanoma Educational CME Update, Portland, OR, January 21, 2017
- 2017 "Gene Expression Profile Tests," War on Melanoma Scientific CME Symposium, Portland, OR, May 20, 2017
- 2017 "Waging War on Melanoma: Early Detection in Oregon & Beyond," M. H. Samitz Lecture, Philadelphia, PA, November 9, 2017
- 2017 "Waging War on Melanoma – Early Detection in Oregon & Beyond," Melanoma Patient and CME Symposium, Portland, OR, November 18, 2017
- 2018 "War on Melanoma: Taking It to the Streets With MoleMapper & Screening," Winship Cancer Institute 2018, Atlanta, GA, March 3, 2018
- 2018 "Oregon's War on Melanoma: Patient Driven Research Efforts and Prevention & Detection," Oregon State University, Student Health Services CME, Corvallis, OR, April 17, 2018
- 2018 "Oregon's War on Melanoma: An Update," PDX Skin Care Festival, Portland, OR, May 19, 2018
- 2018 "Oregon's War On Melanoma: Harnessing the Power of Early Detection," OHSUF & DCHF Joint Board Tour, Portland, OR, June 13, 2018
- 2018 "The War on Melanoma: Melanoma Early Detection in Oregon and Beyond!" Coos Bay Area Hospital, Coos Bay, OR, June 28, 2018
- 2018 "The War on Melanoma in Oregon: Melanoma Prevention and Detection," Samaritan North Lincoln Hospital, Lincoln City, OR, October 17, 2018
- 2019 "War on Melanoma: Early Detection in Oregon & Beyond," Mercy Medical Center, Roseburg, OR, February 20, 2019
- 2019 "War on Melanoma: Early Detection in Oregon & Beyond," Willamette Valley Medical Center, McMinnville, OR, March 15, 2019

2019	"War on Melanoma: Early Detection in Oregon & Beyond," Columbia Memorial Hospital, Astoria, OR, April 17, 2019
2019	"War on Melanoma: Oregon's Early Detection Experiment," Northwest Tribal Clinicians Science Update, Portland, OR, April 24, 2019
2019	"Public Health Campaign: Melanoma Early Detection," Oregon Dermatology Society Meeting, August 10, 2019
2019	"War on Melanoma: Oregon's Early Detection Experiment," Guild Medical Chat, Portland, OR, May 29, 2019
2019	"War On Melanoma: An Oregonian Early Detection Initiative," University of Washington, Seattle, WA, September 4, 2019
2019	"War on Melanoma: Early Detection in Oregon & Beyond," Willamette Dermatology Society, Eugene, OR, October 17, 2019
2020	"Melanoma Detection: Different Tools for Different Populations," Providence Hospital Grand Rounds, Portland OR, January 28, 2020
2020	"Start Seeing Melanoma Now," Central Oregon Community College, Bend, OR, January 22, 2020
2020	"Melanoma detection: Different tools for different populations," OHSU Primary Care Review 2020, Portland, OR, February 5, 2020
2020	"Melanoma detection: Different tools for different populations," OHSU Internal Medicine Review 2020, Portland, OR, March 5, 2020
2020	"SKIN CANCER or A General Introduction to Clinical and Research Topics Relevant to Skin Cancer!" Advanced Cancer Biology Course 2020 OHSU, Portland, OR, May 16, 2020

SERVICE:

Membership in Professional Societies

- American Academy of Dermatology
- American Association for Cancer Research
- American Board of Dermatology
- American Dermatology Association
- American Medical Association
- American Society of Clinical Oncology
- American Society of Human Genetics
- Association of Professors of Dermatology
- Dermatology Foundation
- Medical Dermatology Society
- National Vitiligo Foundation

- Oregon Dermatology Society
- Pacific Dermatologic Association
- Pan American Society for Pigment Cell Research
- Society for Investigative Dermatology
- Society for Melanoma Research
- Southwest Oncology Group
- Utah Medical Association
- Utah Society of Dermatologic Medicine and Surgery

Professional Organization & Scientific Activities

2021 - 2023	Chair, American Academy of Dermatology Melanoma/Skin Cancer Community Programs Committee
2021	Chair, Melanoma/Skin Cancer Community Program Committee, American Academy of Dermatology
2021	Ex-Officio Member, Council on Community, Corporate and Philanthropic Relations, American Academy of Dermatology
2021	Chair, Program Committee for Association of Professors of Dermatology
2020 - present	Director, Montagna Symposium of the Skin
2018 - 2021	Member, Melanoma/Skin Cancer Community Program Committee, American Academy of Dermatology
2015 - present	Board Member, Community Partnership Program, Knight Cancer Institute
2014 - present	Dermatologists Against the Existence of Melanoma (DAMES, Founder)
2013 - present	Member, Oregon Dermatology Society
2013 - 2015	Executive Committee Member, Pacific Dermatologic Association
2011 - present	Safety Monitor, National Institutes of Health, Epidermolysis Bullosa Gene Therapy Clinical Trial run by Peter Marinkovich and Jean Teng
2011 - present	Co-Chair, Southwest Oncology Melanoma Prevention Working Group
2011 - 2012	Chair, Society for Investigative Dermatology, Committee on Education
2009 - 2012	Committee Member, American Society of Clinical Oncology, Education Committee
2007 - present	Member, Pigmented Lesion Subcommittee, subgroup of Melanoma Prevention Working Group

2006 - 2009	Board Member, Pan American Society for Pigment Cell Research
2006 - present	Principle Investigator, Melanoma Tissue Bank Consortium
2006 - 2010	Member, Society for Investigative Dermatology, Translational Task Group

Granting Agency Review Work

2018 - 2019	Grant Reviewer, Melanoma Research Alliance
2018	Grant Reviewer, NIH Program Project Grant
2014 - present	Grant Reviewer, American Skin Association
2011 - present	Project Reviewer, NIAMS DMBA
2011 - 2012	Grant Reviewer, Pfizer
2011 - 2012	Grant Reviewer, FDA
2006 - 2015	Ad Hoc Reviewer, NIH R03, PPG and SPORE
2004	Ad Hoc Reviewer, Veterans Administration Merit Review Grant Program
2004	Ad Hoc Reviewer, Young Investigator Award, Whitehead Institute
1997 - 1998	Ad Hoc Grant Reviewer, Yale National Center of Excellence in Women's Health
1987 - 1989	Ad Hoc Grant Review/Triage Committee, American Heart Association

Editorial and Ad Hoc Review Activities

2000 - 2010	Editor for Melanoma Program Newsletter
2005	Co-editor for Symposium Proceedings, <i>Journal of Investigative Dermatology</i>
2010	Editor for <i>Journal of Investigative Dermatology</i> , Pachyonychia Congenita Special Volume

Journal Review

- Reviewer for *Annals of Internal Medicine*
- Reviewer for American Academy of Dermatology, *Derm Clips*
- Reviewer for *Archives of Dermatology*
- Reviewer for *Journal of Cutaneous Pathology*
- Reviewer for *Journal of Investigative Dermatology*
- Reviewer for *Journal of Medical Genetics*
- Reviewer for *Journal of the American Academy of Dermatology*

Program Review

2019 External Program Reviewer, Department of Dermatology, Northwestern University Feinberg School of Medicine

Committees – National

2021 - present UA CP-CTNet Investigators Group

2015 - 2018 Program Chair and Committee Member, Joint Montagna Symposium on the Biology of Skin/PASPCR Annual Meeting, “Melanoma to Vitiligo: The Melanocyte in Biology and Medicine”

2010 - 2013 Pan American Society for Pigment Cell Research, Annual meeting in Salt City, Organizer & Host

2009 - 2011 Make-A-Wish Foundation: Utah Chapter, Educational Outreach Program, Co-Investigator

2005 - 2008 Melanoma Care Coalition, Member

2005 - 2008 Utah Department of Health, Genetics Committee, Medical Advisor

2004 - 2011 Pachyonychia Congenita Project, Medical and Scientific Advisory Board, Chair

2003 - 2012 Pachyonychia Congenita Project, Medical & Scientific Advisory Board, Medical Director & Chairperson

2003 - 2013 GenoMEL, International Melanoma Consortium, Local Principal Investigator

2002 - 2004 Cancer Wellness House, Melanoma/Skin Cancer Awareness Network, Co-Chair

2000 - 2001 SuperGen Inc., Clinical Advisory Board Member

1997 - 1998 Committee Member, Yale School of Medicine, Yale National Center of Excellence in Women’s Health, Ad Hoc Grant Reviewer

Committees – University

2021 - present Health Management Committee, OHSU

2021 - present Cancer Executive Group, OHSU

2021 - present Finance Council, OHSU

2020 - present Practice Plan Management Council, OHSU

2020 - 2021 Knight Cardiovascular Working Group, OHSU

2020 - 2021 White Cap Review Committee, OHSU

2019 - 2021 Funds Flow Committee, OHSU

2019 - 2020	OHSU Brand Architecture Task Force
2018 - present	Cancer Center Support Group, OHSU
2017 - 2018	Department of Biomedical Engineering (BME) Internal Review Committee, OHSU, Member
2014 - 2016	Tech Transfer and Business Development Committee, OHSU, Member
2013 - present	School of Medicine Faculty Council, OHSU
2013 - present	Chair, Melanoma Executive Working Group, OHSU
2013 - present	NCI Cancer Center Support Grant: Cancer Prevention and Control Program, Knight Cancer Institute, OHSU, Member
2013 - present	Collaborative Research Leadership Group (Research Roadmap), OHSU, Member
2007 - 2013	Utah Population Database, Development Committee, University of Utah, Member
2004 - 2007	Huntsman Cancer Institute, Translational Research Committee, University of Utah, Member
2003 - 2006	Eccles Institute of Human Genetics, Advisory Committee, University of Utah, Member
2002 - 2013	Day with a Doctor, Program for Medical Students, Participant
2002	Ladies Home Journal, Health Hero
2000 - 2002	Melanoma Cutaneous Oncology Program, Joint Laboratory Meetings, University of Utah, Director
2000 - 2002	Melanoma Cutaneous Oncology Program, Scientific Journal Club, University of Utah, Director
2000 - 2013	Huntsman Cancer Institute, Familial Melanoma Research Clinic, University of Utah, Director
2000 - 2007	Melanoma Cutaneous Oncology Program, Clinical Database Development Team (CCR), University of Utah, Supervisor
1999 - 2013	Medical Student Research Program, Faculty Mentor
1999 - 2000	Microarray Core Facility, Administration of Users Meeting, Faculty Member
1998 - 2009	Dermatology, Department of Dermatology Research in Progress, University of Utah, Committee Member
1998 - 2008	Dermatology, Resident Selection Committee, Residency Applicants Sub-Committee, University of Utah, Member

1996 - 1997 Dermatology, Yale Dermatology Residents Journal Club, University of Utah, Coordinator

Teaching

2018 Instructor: CELL/CANB 616 –Advanced Topics in Cancer Biology, “Skin Cancer,” OHSU

2013 - present Attending, Medical Dermatology clinic with resident, rotating schedule, 1 resident per quarter, OHSU

2012 Instructor(1): MS2014 SMBJ – Skin Exam/ Recognizing Melanoma/ Sun Block, University of Utah

2011 Instructor(1): MS2013 SMBJ – Dermatology Physical Exam, University of Utah

2011 Instructor(1): MS2013 SMBJ – Dermatology Physical Exam Practice, University of Utah

2008 - 2010 Cutaneous Cancer Syndromes, American Academy of Dermatology

2004 - present Structure & Function of the Skin-Nails and Pachyonychia Congenita, American Academy of Dermatology

2004 - 2007 To Test or Not to Test: p16 Genetic Testing in Familial Melanoma, American Academy of Dermatology

2001 - 2004 Molecular Biology of Cancer, Cell Cycle Regulation lectures (2), 25-40 students, University of Utah

2000 - 2013 Attending in Resident Clinic, rotating schedule, 2-4 residents, University of Utah

2000 - 2006 Journal clubs, rotating schedule, 1-5 fellows, University of Utah

1999 - 2008 Monthly dermatology lecture, 1-5 medical students or residents, University of Utah

MENTORSHIP: Mentorship roles extending beyond traditional educational activities and supervision include **CDA** (formal mentorship role on a funded career development award); **CS** (Career Sponsor - active promotion of career through regular formal and informal meetings, facilitated networking, and sponsorship of career-promoting activities); **DC** (Dissertation Committee member for PhD); **EP** (Extended Project, greater than a year long with resultant publications); **EUP** (Extended Unpublished Project lasting longer than 1 year); **G** (Grant, serving as a mentor, consultant, or collaborator on a funded grant); **PP** (Published Project requiring substantial oversight and time commitment); **MA** (Masters Thesis Advisor); **SP** (Scholarly Project, formal supervisor of medical school requirement, at least a year-long project); **TG** (Training Grant, formal mentorship role on funded grant).

Year	Name	Undergrad Mentor	Medical School Mentor	Graduate School Mentor	Residency Mentor	Fellowship Mentor	Postdoc Mentor	Faculty Mentor	Current Position
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1999-2001	Cheryl Lee Eberting, MD		EUP					C, CS	Founder, AZOVA & Cheryl Lee Eberting Sensitive Skin Care
2000-2002	Neera Agarwal-Antal, MD					PP			Community Dermatologist and Dermatopathologist
2000-2002	Teresa Scholz, MD				PP				Community Dermatologist, Denver, CO
2000-2013	Scott Florell, MD				PP	PP		EP, G, PP, CS	Professor of Dermatology & Dermatopathologist at University of Utah
2001-2003	Nathan Hanson, MD		PP						Community Dermatologist, Logan, UT
2001-2003	Jana Parker, MD		PP						Community Dermatologist, Murray, UT
2002-2004	Brad Whiting, MD		PP						Private Community Provider
2002-2004	Tyler Call, MD		PP						Associate Professor, University of Utah Cancer and Solid Organ Transplants
2002-2004	John Astle, MD, PhD		EUP						Assistant Professor of Pathology, Medical College of Wisconsin
2003-2004	Mark Herron, MD				PP				Community / Pediatric Dermatologist
2003-2009	Ryan Jackson, MD	PP							Assistant Professor, Biochemistry, Utah State University
2003-2013	Mark Eliason, MD					PP		EP, PP, CS	Associate Professor of Dermatology at University of Utah
2003-2005	Adam Karpf, PhD						EP, PP		Professor, University of Nebraska
2003-2010	Christopher Pond, PhD						EP, PP		Research Associate, University of Utah,
2003-2013	Pamela Cassidy, PhD					EP, PP	EP, PP	EP, PP, G, CS	Associate Research Professor, Dermatology, OHSU

2004-2005	Jason Brinton	PP							Community Ophthalmologic Surgeon, St. Louis, MO
2004-2006	Griffin Jardine, MD	EP							Pediatric Ophthalmologist, Moran Eye Center, University of Utah
2004-2007	Kaylynne Harris, MD				PP				Deceased
2004-2009	Lana Pho, MD		PP		EP, PP				Community Dermatologist in Ogden, UT
2004-2014	Anna Luisa Kadekaro, PhD						EP, PP	EP, PP, CDA	Research Assistant Professor, Dermatology, University of Cincinnati
2004-2021	April Larson, MD		PP		EP, PP			C, CS	Community Dermatologist and Director of Clinical Implementation and Advisory Board at PathologyWatch Digital Pathology
2005-2011	Samantha Leaf			EP,PP		PP			Social Psychologist, ISA Group
2005-2007	Amber Kostial, MD	EUP							Community Psychiatrist, Bellingham, Washington
2006-2012	Jennifer Taber, PhD			EP, PP		PP		PP	Assistant Professor, Kent State
2006-2009	Murray Cotter, MD				PP				Mohs Surgeon in Petoskey, Michigan
2006-2009	Sally Tran, MD	EP, PP							Family Medicine, Murray, UT
2007-2011	Robyn Hickerson, PhD						EP, PP	EP, PP, C, CS	Acting Principal Investigator, Biological Chemistry and Drug Discovery, University of Dundee, UK
2007-2013	Noah Jenkins, PhD			EP, PP, DC					VP, Innovations, Botanicals Innovations, Scientific Advisory

									Board Member Axxa Global
2008-2010	Chris Koenig, DO	EUP							Emergency Medicine, Mercyhealth Janesville, WI
2008-2011	Stephen Squires, MD		EUP						Community Dermatologist, Evans, GA
2008-2012	Sherri Holmen, PhD							PP, CS	Professor of Surgery & Co-Director of the Melanoma Disease Oriented Research Team; HCI, University of Utah
2009-2013	Pooja Jairam	High School ISEF							Radiology Resident, Brigham & Women's Hospital, Boston, MA
2009-2012	George Samadashwily, MD, PhD				PP		EUP		Returned to home country, Georgia
2005-2013	Robert Andtbacka, MD							PP, CS	Chief Medical Officer at Seven & Eight Biopharmaceuticals
2010-2016	Tawnya Bowles, MD							PP, CS	MD, Intermountain Health Care
2010-2016	Jason Hawkes, MD		PP		PP			CS	Assistant Professor of Dermatology at UC Davis
2011-2020	Annalise Abiodun, MD		CS		CS	CS		CS	Mohs Surgeon & Dermatologist, Mclean, VA
2011-2021	Tammy Stump, PhD			DC, EP, PP		PP, CS		CDA, PP, CS	Research Assistant Professor of Medical Social Sciences, Northwestern Feinberg School of Medicine, Chicago, IL
2014-2017	Kelly Griffith Bauer, MD				EUP, PP				Mohs Surgeon, Seattle, WA
2014-2019	Vessy Korcheva, MD							EUP, PP	Dermatopathologist, Kaiser Permanente, Portland, OR

2014-2021	Yelena Wu, PhD							EP, PP, CS, CDA	Associate Professor of Dermatology, Huntsman Cancer Institute, Utah
2014-2021	Dan Gareau, Ph.D.							EP, G, C	Biomedical Engineer, Rockefeller, NYC & CEO (optics)
2015-2018	Mariah Johnson, MD				EP, PP				Mohs Surgeon, Bend, Oregon
2015-2019	Alla Yarmosh, MD		EUP	MA					Anesthesiology, Portland, OR
2015-2019	Chelsey Kline, PhD						EUP	EUP, CS	Project Science Lead, AbSci Biotechnology, Vancouver WA
2016-2018	Quinn Roth- Carter, Ph.D.			DC					
2016-2021	Olivia Lucero, MD				PP, EP, CS	PP, CS	CS	CS	Mohs Fellow & Research Fellow, OHSU
2016-2021	Tracy Petrie, PhD							EUP, PP, CS	Research faculty, Software Engineer OHSU
2016-2021	Joanne Jeter, MD							PP, CS	Associate Professor Medical Oncology & Genetics, University of Utah
2016-2021	Stephanie Savory, MD							PP, CS	Assistant Professor of Dermatology, UT Southwestern, Dallas, TX
2016-2021	Nathan Rojek, MD				PP	CS		CS	Assistant Professor of Dermatology, University of California Irvine
2017-2021	Kelly Nelson, MD							PP, EUP, CS	Associate Professor of Dermatology, MD Anderson Cancer Center, Houston, TX
2017-2021	Amanda Lund, PhD							EUP, PP, CS	Associate Professor at NYU Langone Health, NY
2017-2021	Terry Medler, PhD					EP, PP, TG	CS, CDA	CS	Postdoctoral fellow Earle A. Chiles Research Institute, Portland, OR

2017-2021	Alison Skalet, MD, PhD							CDA, CS	Associate Professor of Ophthalmology, Director of Ocular Oncology, OHSU
2017-2021	Elizabeth Berry, MD				PP			PP, MA, CS	Assistant Professor of Dermatology, OHSU
2018-2021	Laura Ferris, MD, PhD							PP, CS	Associate Professor and Director of Clinical Trials, Department of Dermatology, University of Pittsburgh
2018-2021	Dale Han, MD							PP, EUP, CS	Assistant Professor of Surgery, Director of Melanoma Clinical Trials, OHSU
2018-2021	Ravi Samatham, PhD						PP	PP, EUP, CS	Instructor of Dermatology, OHSU
2018-2021	Rajan Kulkarni							PP, CS	Associate Professor Of Dermatology, OHSU
2019-2021	Joanna Ludzik, MD, PhD							PP, EUP, CS	Assistant Professor of Dermatology, Co- Director Skin Imaging & Technology Center, OHSU
2019-2021	Alexander Witkowski, MD, PhD							PP, EUP, CS	Assistant Professor of Dermatology, Co- Director Skin Imaging & Technology Center, OHSU
2020-2021	Carter Haag, MD				EUP, G				Resident in Dermatology, OHSU
2021	Caleb Freeman, MD				EUP, CS				Resident in Dermatology, OHSU
2021	Erin Grinich, MD				CS				Resident in Dermatology, OHSU
2021	Smriti Prasad, MD				PP, EUP, CS				Resident in Dermatology, OHSU

2021	Victoria Orfaly		PP, EUP, G, CS						OHSU Medical Student
2021	Claire Turina		PP, EUP, SPA						OHSU Medical Student
2021	Gina Calco		PP, EUP						OHSU Medical Student
2021	Mary Ryan		SP						OHSU Medical Student