

# **CURRICULUM VITAE**

(updated June 2017)

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Date and Place of Birth: February 12, 1962, Ypsilanti, MI

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Education/Training:

1980-1984 B.S., Electrical Engineering, Purdue University, West Lafayette, IN  
1984-1988 M.D., Michigan State University, East Lansing, MI  
1988-1989 Intern, Department of Internal Medicine, Henry Ford Hospital, Detroit, MI  
1989-1992 Dermatology Resident, Department of Dermatology and Cutaneous Surgery, University of Miami, Miami, FL  
1992-1995 Postdoctoral Fellow, Dermatology Branch (in the laboratory of Stephen I. Katz, M.D., Ph.D.), National Cancer Institute, Bethesda, MD  
1995-1996 Postdoctoral Fellow, Molecular Virology Section (in the laboratory of Kuan-Teh Jeang, M.D., Ph.D.), Laboratory of Molecular Microbiology, National Institute for Allergy and Infectious Diseases, Bethesda, MD  
2010-2013 M.B.A. in Healthcare Management, Oregon Health & Science University/Portland State University, Portland, OR

Employment:

1996-2003 Investigator (Tenure-Track) and Head, Viral Pathogenesis Section, Dermatology Branch, Center for Cancer Research, National Cancer Institute, Bethesda, MD  
2003-2004 Senior Investigator (Tenured) and Head, Viral Pathogenesis Section, Dermatology Branch, Center for Cancer Research, National Cancer Institute, Bethesda, MD  
1999-2001 Adjunct Assistant Professor, Department of Dermatology, Uniformed Services University of the Health Sciences, Bethesda, MD  
2001-2004 Adjunct Associate Professor, Department of Dermatology, Uniformed Services University of the Health Sciences, Bethesda, MD  
2004-2011 Adjunct Professor, Department of Dermatology, Uniformed Services University, Bethesda, MD  
2004-2011 Professor, Department of Dermatology, Oregon Health & Science University, Portland, OR

2004-2011	Professor, Department of Molecular Microbiology and Immunology, Oregon Health & Science University, Portland, OR
2004-2011	Chief, Dermatology Service, Veterans Affairs Medical Center, Portland, OR
2011-present	Affiliate Professor, Department of Dermatology, Oregon Health & Science University, Portland, OR
2011-present	Investigator, Oregon Medical Research Center, Portland, OR
2011-2014	Private practice, Klein Dermatology & Associates, Portland, OR
2013-present	President and Owner, Oregon Medical Research Center, Portland, OR ( <a href="http://www.oregonmedicalresearch.com/">http://www.oregonmedicalresearch.com/</a> )
2014-2015	Private practice, Dermatology Associates, Portland, OR
2015-present	Private practice, Baker Allergy, Asthma & Dermatology, Portland, OR

Uniformed Service:

1992-1993	U.S. Public Health Service (Lieutenant)
1993-1997	U.S. Public Health Service (Lieutenant Commander)
1997-2004	U.S. Public Health Service (Commander)

Certification/Licensure:

1989	Diplomate, National Board of Medical Examiners
1992	Certification in Dermatology, American Board of Dermatology
1993	Certification in Clinical and Laboratory Dermatological Immunology, American Board of Dermatology
1991-2004	Medical License, State of Maryland
2001, 2011	Re-certification in Dermatology, American Board of Dermatology
2004-present	Medical License, State of Oregon

Professional Societies and Activities:

American Academy of Dermatology (1990-present)

- Sexually Transmitted Diseases Task Force (1994-1995)
- Invited Speaker, Stephen Rothman Club (1998, 2003)
- Study Group on Medical Dermatology (1999)
- Psoriasis Task Force/Expert Resource Group (2000-2004)
- HIV/STD Task Force/Expert Resource Group (2000-2004)
- Invited participant, Forum for Future Leaders in Dermatology (2002)
- Invited chairperson, Residents & Fellows Symposium, Annual Meeting (2002-2005)
- Invited participant, Psoriasis Therapies Educational Summit (2002)
- Invited member, Research Committee (2007-2009)
- Invited member, Congressional Policy Committee (2009-2010)
- Invited member, Camp Discovery Committee (2011-2013)

Society for Investigative Dermatology (1994-present)

- Investigator/Fellow Dinner Program (1997-2007)
- Education for Students Program (1999-2007)
- Committee on Albert M. Kligman Fellowships (2000-2004)
- Committee on Clinical Scholars Program (2001-2004)

- Invited chairperson, minisymposia at annual meetings (2001, 2003-2004, 2007-2008, 2010)
- Invited speaker, retreat to recruit physician-scientists (2001, 2003)
- Chairperson, Committee on Resident and Fellow Programs (2002-2005)
- Invited abstract reviewer for annual meetings (2003-2005, 2010)

Washington D.C. Dermatological Society (1996-2004)

American Association for the Advancement of Science (1996-2010)

American Society for Microbiology (1997-2006)

American Association of Immunologists (1997-2010)

Dermatology Foundation (1998-2011)

- Invited member, Medical and Scientific Committee (2004-2007)
- Invited chairperson, Medical and Scientific Committee (2007)
- Invited Vice Chairman for the State of Oregon (2006-2007)
- Leader's Society (2006-2011)

National Psoriasis Foundation (1998-present)

- Professional member (1998-present)
- Invited member, Medical Advisory Board (2001-2004, 2007-2013)
- Invited member, Board of Trustees Research Committee (2004)
- Selected Honorary Medical Chair, Walk to Cure Psoriasis in Portland (2007-2010)
- Invited member, Scientific Advisory Board (2009-2014)
- Member, President's Council (2009-present)
- Invited member, Scientific Advisory Committee (2010-2011, 2016-present)
- Invited member, Translational Grant Review Committee (2011)
- Invited member, Emeritus Medical Board (2015-present)

American Society for Clinical Investigation (2004-2012)

Oregon Dermatology Society (2004-present)

- Board of Directors (2010-2013)
- President-elect (2010-2011)
- President (2011-2012)
- Immediate Past President (2012-2013)

Oregon Medical Association (2004-present)

Group for Research and Assessment of Psoriasis and Psoriatic Arthritis (2006-present)

American Dermatological Association (2007-present)

- Member, Meeting Site Committee (2008-2011)

Invited Scientific Program Co-Chair, "The Biologic Basis of Psoriasis," 57th Annual Montagna Symposium on the Biology of Skin (2008)

Pacific Dermatologic Association (2008-2009)

- Invited Scientific Program Chair for the annual meeting (2009)

Clinical Immunology Society, invited session chair at annual meeting (2010)

Association of Professors of Dermatology (2010-2011)

Invited Member, Executive Committee, Dermatology Comparative Effectiveness Research Network (2010-present)

Invited Councilor, International Psoriasis Council (2011-present)

- Chair, Biosimilars Working Group (2013-2016)
- Member, Patient Care Committee (2017-present)

Member, Pediatric Dermatology Research Alliance Guidance Document for Industry Committee (2016-present)  
Member, European Academy of Dermatology and Venereology (2017-present)

Committees and Local Activities:

Volunteer dermatologist, Whitman-Walker Clinic, Washington, D.C. (1997-1999)  
Invited member, Search Committee for Dermatology Branch Clinical Researcher (1998)  
Invited ad hoc reviewer, NIH extramural (NIAID and NIAMS) grants in immunology, HIV/AIDS, and dermatology (1998-2005)  
Member, NCI Institutional Review Board (1999-2001)  
Invited lecturer, International Society for Infectious Diseases International HIV/AIDS Training Program (1999-2002)  
Member, NIH AIDS Malignancy Working Group (1999)  
Interviewer of prospective medical students, Uniformed Services University of the Health Sciences (1999-2003)  
Member, Trans-NIH Microbicide Working Group (1999-2004)  
Member, NIH Pharmacy and Therapeutics Committee (2000-2004)  
Invited abstract judge, NIH Fellows Award for Research Excellence (2001-2003)  
Member, NCI HIV and Cancer Virology Faculty (2001-2004)  
Member, NCI Immunology Faculty (2001-2004)  
Member, NCI Vascular Biology Faculty (2001-2004)  
Invited member, Search Committee for Dermatology Branch Staff Clinician (2002)  
Invited member, Research Evaluation and Decision Panel for the AIDS and Cancer Specimen Resource (2004)  
Member, OHSU Cancer Institute (2004-2009)  
Member, Medical Staff Council, Portland VA Medical Center (2004-2011)  
Faculty Coordinator, OHSU Department of Dermatology Basic Science Journal Club (2004-2011)  
Faculty Coordinator, OHSU Department of Dermatology Resident Research Rotation (2004-2011)  
Member, OHSU Department of Dermatology Executive Committee (2004-2011)  
Founder and Director, OHSU Center of Excellence for Psoriasis and Psoriatic Arthritis (CEPPA) (2006-2011)  
Invited ad hoc member, OHSU thesis defense committee for Ph.D. candidate, Cortny Huddleston (2006)  
Invited member, Oregon Health Plan Subcommittee on Targeted Immune Modulators (2007)  
Invited participant, Roundtable discussion on psoriasis, psoriatic arthritis, and rheumatoid arthritis sponsored by the National Institute of Arthritis and Musculoskeletal and Skin Diseases (2007)  
Invited member, OHSU qualifying examination committee for Ph.D. candidate, Kalmia Buels (2007)  
Volunteer, Oregon Museum of Science and Industry Body Worlds exhibit (2007)  
Member, OHSU Department of Dermatology Storrs Lectureship Committee (2009-2012)  
Faculty advisor to OHSU medical students: Brian Truong, Courtney Bell, Janelle Minter (2009-2011)  
Volunteer mentor, OHSU Science Class Program for high school students (2010)

Volunteer, OHSU head & neck cancer screening (2010)  
Invited ad hoc reviewer, Oregon Clinical and Translational Research Institute pilot grant Program (2010)  
Invited member, Aarhus University thesis defense committee for Ph.D. candidate, Claus Johansen (2010)  
Director, OHSU Department of Dermatology Kingery Library Committee (2010-2011)  
Faculty Advisor, Dermatology Interest Group for OHSU medical students (2010-2011)  
Faculty advisor to OHSU dermatology training grant pre-doctoral student: Joshua Walker (2010-2011)  
Reviewer for Pharmacy Committee Recommendations and Policy, Regence Blue Cross/Blue Shield, Portland, OR (2010-present)  
Volunteer dermatologist, Wallace Medical Concern, Portland, OR (2013-present)  
Faculty advisor to OHSU pre-doctoral student: Sarah Siegel (2016-present)

#### Journal Activities:

Editorial Board, *Journal of the American Academy of Dermatology* (1998-2007)  
Feature Editor, "Dermatology Grand Rounds at the NIH," *Journal of the American Academy of Dermatology* (2000-2004)  
Assistant Editor, *Journal of the American Academy of Dermatology* (2004)  
Associate Editor (Science), *Journal of the American Academy of Dermatology* (2004-2007)  
International Advisory Board, *Journal of Dermatology* (2000-present)  
Associate Editor, *Journal of Investigative Dermatology* (2002-2009)  
Editorial Board, *Journal of Dermatological Science* (2003-present)  
Section Head, "Psoriasis & Other Inflammatory Diseases" and Dermatology Advisory Board, Faculty of 1000 Medicine (2004-2011)  
Editorial Board, *Psoriasis Forum* (2006-present)  
Editorial Board, *Annals of Dermatology* (2009-present)  
Section Editor (Immunology/Infection), *Journal of Investigative Dermatology* (2009-2011)  
Board of Consulting Editors, *Journal of Clinical Investigation* (2010-2012)  
Editorial Board, *Journal of Clinical and Experimental Dermatology* (2010-2011)  
Reviewer: *Science*, *Journal of Experimental Medicine*, *Proceedings of the National Academy of Sciences*, *Journal of Clinical Investigation*, *Journal of Biological Chemistry*, *Journal of Immunology*, *Journal of Leukocyte Biology*, *Immunology Letters*, *Journal of Immunological Methods*, *Journal of Immunotherapy*, *Clinical Immunology*, *International Immunology*, *Expert Review of Clinical Immunology*, *The Lancet Infectious Diseases*, *Journal of Virology*, *Virology*, *AIDS*, *AIDS Research and Human Retroviruses*, *Journal of the Acquired Immune Deficiency Syndrome*, *Antiviral Therapy*, *Journal of Infectious Diseases*, *Clinical Infectious Diseases*, *Clinical and Microbiological Reviews*, *Journal of the National Cancer Institute*, *Cancer Research*, *Blood*, *Current Molecular Medicine*, *Expert Reviews in Molecular Medicine*, *Journal of Cellular Physiology*, *F100 Biology Reports*, *Clinical Science*, *Hepatology*, *American Journal of Pathology*, *Arthritis and Rheumatism*, *Annals of Epidemiology*, *Journal of Investigative Dermatology*, *Archives of Dermatology*, *Journal of the American Academy of Dermatology*, *British Journal of Dermatology*, *Journal of Dermatological Science*, *Journal of Dermatology*, *Experimental Dermatology*, *Journal of the European Academy of Dermatology and Venereology*, *Annals of Dermatology*,

Clinical Study Activities:

1996-2003	Principal Investigator for NIH intramural study #76-C-0293, "Induction of suction blisters in patients with urticaria, blistering diseases, inflammatory dermatoses and neoplastic disorders, and in normal volunteers"
1996-1999	Principal Investigator for NIH intramural study #93-C-0050, "Induction of suction blisters in HIV-infected patients"
1998-2004	Principal Investigator for NIH intramural study #96-C-0097, "The acquisition of blood and skin samples from patient volunteers to support research activities on dermatologic diseases"
1999-2000	Principal Investigator for NIH intramural study #99-C-0027, "Randomized double-blind placebo-controlled trial using recombinant human interleukin-10 for moderate-to-severe psoriasis"
2000-2002	Principal Investigator for NIH intramural study #00-C-0211, "A pilot open-label single-dose study using intravenous micellar paclitaxel for patients with severe psoriasis"
2001	Principal Investigator for NIH intramural study #02-C-0246, "Validation of a survey instrument for future psoriasis studies"
2004	Principal Investigator for NIH intramural study #04-C-0036, "Induction of suction blisters in healthy volunteers"
2004-2005	Co-investigator for OHSU study #578, "Efalizumab for moderate to severe atopic dermatitis - a phase I pilot study in adults"
2005-2009	Principal Investigator for OHSU study #1630, "Expression of p19, p40, and p35 in skin"
2006-2011	Principal Investigator for OHSU study #2364, "A phase 3, multicenter, randomized, double-blind, placebo-controlled trial evaluating the efficacy and safety of CNTO 1275 in the treatment of subjects with moderate to severe plaque-type psoriasis (PHOENIX 2)"
2006-2011	Principal Investigator for OHSU study #2568, "Role of IL-23 and other cytokines in psoriasis and atopic dermatitis pathogenesis"
2006-2010	Principal Investigator for OHSU study #2938, "Induction of suction blisters in healthy volunteers"
2006-2007	Co-investigator for OHSU study #2570, "A phase 3, randomized, double-blind study to evaluate the efficacy and safety of BID application of tacrolimus cream-B 0.1% versus cream-B vehicle in the treatment of psoriasis"
2008-2010	Principal Investigator for OHSU study #3912, "A multicenter, open-label study to assess the efficacy and safety of infliximab (Remicade®) therapy in patients with plaque psoriasis who had an inadequate response to etanercept (Enbrel®) (PSUNRISE)"
2008-2009	Principal Investigator for OHSU study #4255, "Investigating the IL-23/IL-17 inflammatory pathway in psoriasis patients receiving Remicade therapy"

2008-2009	Principal Investigator for OHSU study #4128, "A phase 3, multicenter, randomized, double-blind, placebo-controlled study comparing the safety and efficacy of two dosing regimens of ABT-874 to placebo in subjects with moderate to severe chronic plaque psoriasis"
2008-2011	Principal Investigator for OHSU study #4570, "A phase 3, multicenter, open-label continuation study for moderate to severe chronic plaque psoriasis subjects who completed a preceding psoriasis study with ABT-874"
2008-2009	Principal Investigator for OHSU study #4499, "Phase 2A randomized, double-blind, vehicle-controlled, intra-individual comparison trial assessing safety, toleration, pharmacokinetics and pilot efficacy of 4 weeks treatment with CP-690,550 in chronic plaque psoriasis"
2008-2010	Principal Investigator for OHSU study #4875, "LY2439821 (anti-IL-17 humanized antibody) multiple-dose safety and tolerability study in subjects with psoriasis vulgaris"
2008-2011	Principal Investigator for OHSU study #4760, "Clinical database for patients with psoriasis"
2008-2011	Principal Investigator for OHSU study #4953, "A randomised, placebo-controlled, single- and multiple-dose, dose escalation trial of anti-IL-20 (109-0012) 100 mg/vial in psoriatic subjects, followed by an expansion phase"
2009-2011	Principal Investigator for OHSU study #5363, "ESPIRIT: A 10-year, postmarketing observational registry of Humira® (adalimumab) in adult patients with chronic plaque psoriasis"
2011-2016	Principal Investigator, "A dose-ranging and efficacy study of LY2439821 (an anti-IL-17 antibody) in patients with moderate-to-severe psoriasis"
2011-2013	Principal Investigator, "A randomized, double-blind, placebo controlled, multicenter study of subcutaneous secukinumab to demonstrate efficacy after 12 weeks of treatment, and to assess the safety, tolerability and long-term efficacy up to one year in subjects with moderate to severe chronic plaque-type psoriasis (ERASURE)"
2011-2012	Sub-Investigator, "A phase 3, multicenter, randomized, double-blind, placebo-controlled, efficacy and safety study of apremilast (CC-10004) in subjects with moderate to severe plaque psoriasis"
2011-2012	Sub-Investigator, "A phase 3 multicenter, randomized, double-blind, placebo-controlled, trial of ustekinumab, a fully human anti-IL-12/23p40 monoclonal antibody, administered subcutaneously, in subjects with active psoriatic arthritis (PSUMMIT I)"
2011-2012	Sub-Investigator, "A phase 3 multicenter, randomized, double-blind, placebo-controlled, trial of ustekinumab, a fully human anti-IL-12/23p40 monoclonal antibody, administered subcutaneously, in subjects with active psoriatic arthritis including those previously treated with biologic anti TNF $\alpha$ agent(s) (PSUMMIT II)"

2011-2012	Sub-Investigator, "A multicenter, randomized, double-blind, placebo-controlled evaluation of rosacea-related inflammatory biochemical markers in the skin of adults with papulopustular rosacea treated with daily doxycycline 40 mg (30 mg immediate release/10 mg delayed releases beads) capsules"
2011-2012	Sub-Investigator, "A randomized, double-blind, vehicle-controlled, multicenter, parallel group study of the safety and efficacy of terbinafine nail lacquer 3% in the treatment of mild to moderate distal subungual onychomycosis of the toenails for 52 weeks"
2011-2012	Sub-Investigator, "A randomized, double-blind, vehicle-controlled, multi-center study to evaluate the efficacy and safety of AN2690 topical solution, 5%, vs. solution vehicle in the treatment of onychomycosis of the toenails in adults"
2011-2012	Sub-Investigator, "A multicenter, randomized, double-blind, parallel-group study to evaluate the safety and efficacy of bimatoprost solution 0.03%, 0.1%, and 0.3% compared with vehicle in men with androgenic alopecia with an open-label active comparator (minoxidil 5%) group"
2011-2012	Sub-Investigator, "A multicenter, randomized, double-blind, parallel-group study to evaluate the safety and efficacy of bimatoprost solution 0.03%, 0.1%, and 0.3% compared with vehicle in women with female pattern hair loss with an open-label active comparator (minoxidil 2%) group"
2011	Sub-Investigator, "A multicenter, double-blind, randomized, placebo-controlled, parallel-group extension study to evaluate the safety and efficacy of BOTOX® (botulinum toxin type A) purified neurotoxin complex in subjects with facial rhytides (crow's feet lines and glabellar lines)"
2011	Sub-Investigator, "A pivotal USA randomized, evaluator-blinded, active-controlled, multi-center, split-face comparison study of Emervel Classic Lidocaine versus Juvederm® Ultra in the treatment of moderate to severe facial wrinkles and folds"
2011-2016	Principal Investigator, "A multicenter study with a randomized, double-blind, placebo-controlled induction dosing period followed by a randomized maintenance dosing period and a long-term extension period to evaluate the efficacy and safety of LY2439821 in patients with moderate-to-severe plaque psoriasis "
2011-2013	Sub-Investigator, "An open-label extension study to evaluate the safety of etanercept in pediatric subjects with plaque psoriasis"
2012-2013	Sub-Investigator, "A phase 2 multicenter, randomized, placebo- and active-comparator-controlled, dose-ranging trial to evaluate CNTO 1959 for the treatment of subjects with moderate to severe plaque-type psoriasis (X-PLORE)"



- 2012 Sub-investigator, "A phase II study of photodynamic therapy with Levulan topical solution plus blue light versus Levulan topical solution vehicle plus blue light using spot and broad area application and incubation times of 1, 2 and 3 hours for the treatment of multiple actinic keratoses on the face or scalp"
- 2012 Sub-investigator, "A double-blind, randomized, parallel-group, vehicle-controlled, multicenter study to evaluate the safety and bioequivalence of a generic butenafine HCl cream, 1% and reference listed Lotrimin Ultra (butenafine HCl cream, 1%) and compare both active treatments to a vehicle control in the treatment of interdigital tinea pedis"
- 2012-2015 Principal Investigator, "A phase 3b, randomized, double-blind, active-controlled, multicenter study to evaluate a "subject-tailored" maintenance dosing approach in subjects with moderate-to-severe plaque psoriasis (PSTELLAR)"
- 2012-2013 Sub-investigator, "A sequential treatment regimen of cryotherapy and Picato (ingenol mebutate) gel, 0.015% field therapy compared to cryotherapy alone for the treatment of actinic keratosis on the face and scalp"
- 2012-2013 Sub-Investigator, "A randomized, phase 2, double-blind, placebo-controlled trial to evaluate the safety and efficacy of HL-009 liposomal gel in adult patients with mild to moderate atopic dermatitis"
- 2012-2013 Principal Investigator, "A randomized, double-blind, placebo controlled, multicenter study of subcutaneous secukinumab in prefilled syringes to demonstrate efficacy after 12 weeks of treatment, and to assess the safety, tolerability, usability and long-term efficacy in subjects with chronic plaque-type psoriasis (FEATURE)"
- 2012-2014 Sub-Investigator, "Safety and efficacy of luliconazole solution, 10% with two dosing regimens in distal subungual onychomycosis of the toenails: a randomized, double-blind, vehicle-controlled, phase 2b/3 study"
- 2012-2013 Sub-Investigator, "A multicenter, randomized, double-blind, four-week, bilateral study of the safety and efficacy of two concentrations of AN2728 ointment administered once or twice a day in adolescents with atopic dermatitis"
- 2012-2015 Principal Investigator, "A multicenter, double-blind, randomized withdrawal extension study of subcutaneous secukinumab in prefilled syringes to demonstrate long-term efficacy, safety and tolerability up to 2 years in subjects with moderate to severe chronic plaque-type psoriasis completing preceding psoriasis phase III studies with secukinumab"
- 2012-2013 Sub-Investigator, "A randomized, double-blind, parallel-group, vehicle-controlled, multicenter study comparing imiquimod cream, 3.75% generic to reference listed drug in the treatment of actinic keratosis of the face or balding scalp"

2012-present	Principal Investigator, "A 12-week multicenter, randomized, double-blind, placebo-controlled study comparing the efficacy and safety of LY2439821 to etanercept and placebo in patients with moderate to severe plaque psoriasis with a long-term extension period"
2012	Sub-Investigator, "A parallel-group, vehicle-controlled, randomized, double-blind study of the efficacy and safety of product 49778 and product 10156 in subjects with seborrheic dermatitis"
2012-2015	Principal Investigator, "A phase 3 study to evaluate the efficacy, safety, and effect of withdrawal and retreatment with brodalumab in subjects with moderate to severe plaque psoriasis: AMAGINE-1"
2012-2013	Sub-Investigator, "An open-label, multicenter study of the efficacy of Cloderm cream (clocortolone pivalate, 0.1%) in the treatment of moderate plaque psoriasis for 28 days"
2013	Sub-Investigator, "Oxymetazoline HCl cream for the treatment of erythema associated with rosacea"
2013-present	Principal Investigator, "A 52-week, phase 3, randomized, active comparator and placebo-controlled, parallel design study to evaluate the efficacy and safety/tolerability of subcutaneous SCH 900222/MK-3222, followed by an optional long term safety extension study, in subjects with moderate-to-severe chronic plaque psoriasis"
2013-2014	Sub-Investigator, "Bimatoprost for the treatment of eyebrow hypotrichosis"
2013	Principal Investigator, "A multicenter, randomized, double-blind, parallel group comparison of halobetasol propionate lotion 0.05% versus vehicle lotion in subjects with plaque psoriasis"
2013-2014	Principal Investigator, "A phase 2B, multi-site, randomized, double-blind, vehicle-controlled, parallel-group study of the efficacy, safety, local tolerability and pharmacokinetics of 2 dose strengths and 2 regimens of tofacitinib ointment in subjects with chronic psoriasis"
2013-2014	Principal Investigator, "A randomized, double-blind, placebo-controlled, parallel-group, dose-ranging study investigating the efficacy, safety, pharmacokinetic and biomarker profiles of REGN668 administered to adult patients with moderate-to-severe atopic dermatitis"
2013	Principal Investigator, "Qualitative interviews for the development of a patient-reported outcome (PRO) measure in patients with seborrheic keratosis (phase I)"
2013-2014	Principal Investigator, "A multicenter, randomized, double-blind, vehicle-controlled, parallel group comparison study to determine the therapeutic equivalence of generic imiquimod cream, 2.5% and Zyclara® (imiquimod) cream, 2.5% in subjects with actinic keratoses"
2014	Principal Investigator, "A phase 2, randomized, double-blind, vehicle controlled, dose-ranging study of the effect of DRM04B in subjects with axillary hyperhidrosis"
2014-2015	Principal Investigator, "A phase 2 randomized, double-blind, vehicle-controlled, dose-ranging study to investigate the efficacy and safety of ME1111 in patients with mild to moderate onychomycosis"

2014	Sub-Investigator, "Safety and efficacy of bimatoprost solution versus vehicle in men with androgenic alopecia"
2014	Principal Investigator, Efficacy and safety of ingenol mebutate gel 0.06% when applied once daily for 2, 3 or 4 consecutive days to a treatment area of approximately 250 cm <sup>2</sup> on trunk and extremities in subjects with actinic keratosis: an international, phase 2, randomized, multicentre, double-blind, vehicle-controlled, 8-week trial"
2014	Principal Investigator, "Qualitative interviews for the development of a patient-reported outcome (PRO) measure in patients with seborrheic keratosis (phase II)"
2014-present	Principal Investigator, "An open-label study of dupilumab in patients with atopic dermatitis who participated in previous dupilumab trials"
2014-2015	Sub-Investigator, "A 48 week study of three different dose regimens of BI 655066 administered subcutaneously in patients with moderate to severe chronic plaque psoriasis (randomised, dose-ranging, active-comparator-controlled (ustekinumab), double-blind within dose groups of BI 655066)"
2014-2015	Sub-Investigator, "A long-term safety and efficacy study of oxymetazoline HCl cream 1.0% in patients with persistent erythema associated with rosacea"
2014-2016	Principal Investigator, "A 52-week, multicenter, randomized, double-blind study of subcutaneous secukinumab to determine efficacy as assessed by Psoriasis Area and Severity Index at 16 weeks of treatment compared to ustekinumab and to assess long-term safety, tolerability and efficacy in subjects with moderate to severe plaque psoriasis"
2014	Sub-Investigator, "Exploratory genetic study in subjects with moderate to severe psoriasis"
2014	Sub-Investigator, "Efficacy and safety of oxymetazoline HCl cream 1.0% for the treatment of persistent erythema associated with rosacea"
2014	Principal Investigator, "A randomized, double-blind, vehicle-controlled, parallel group study of the dose-response profile of A-101 topical solution in subjects with seborrheic keratosis"
2014-2015	Principal Investigator, "A randomized, double-blind, multicenter study to demonstrate equivalent efficacy and to compare safety and immunogenicity of a biosimilar adalimumab (GP2017) and Humira® in patients with moderate to severe chronic plaque-type psoriasis"
2014-2015	Principal Investigator, "A randomized, double-blind, placebo-controlled, study investigating vaccine responses in adults with moderate to severe atopic dermatitis treated with dupilumab"
2014-2015	Principal Investigator, "A randomized, double-blind, vehicle-controlled, parallel group study of the dose-response profile of A-101 solution in subjects with seborrheic keratosis of the face"
2014-2016	Principal Investigator, "A randomized, double-blind, placebo-controlled study to demonstrate the efficacy and long-term safety of dupilumab in adult patients with moderate-to-severe atopic dermatitis"

2014-2016	Principal Investigator, “A phase 3, multicenter, randomized, double-blind study to evaluate the efficacy and safety of guselkumab for the treatment of subjects with moderate to severe plaque-type psoriasis and an inadequate response to ustekinumab”
2014-2015	Principal Investigator, “A phase 2, multicenter, randomized, double-blind, vehicle-controlled study on the safety, tolerability, and efficacy of 0.15% and 0.25% concentrations of topical SM04554 solution in male subjects with androgenetic alopecia (AGA)”
2014-2016	Principal Investigator, A randomized, double-blind, placebo-controlled study of the efficacy and safety of gevokizumab in treating active ulcers of pyoderma gangrenosum”
2014-2016	Principal Investigator, “A 2-year, open-label, safety extension study of gevokizumab in patients with pyoderma gangrenosum”
2014-present	Principal Investigator, “A phase 3, multicenter, randomized, double-blind, parallel-group, study followed by a dose-blind period and open-label follow-up to evaluate the efficacy and safety of certolizumab pegol in subjects with moderate to severe chronic plaque psoriasis”
2014-present	Principal Investigator, “A phase 3, multicenter, randomized, double-blind placebo and active comparator-controlled study evaluating the efficacy and safety of guselkumab for the treatment of subjects with moderate to severe plaque-type psoriasis”
2014-present	Principal Investigator, “An open label extension trial assessing the safety and efficacy of BI 655066 administered subcutaneously in patients with moderate to severe chronic plaque psoriasis”
2015-present	Principal Investigator, “A phase 2, randomized, double-blind, placebo-controlled, dose-ranging study to evaluate the efficacy and safety of VT-1161 oral tablets in the treatment of patients with distal and lateral subungual onychomycosis of the toenail”
2015	Study Investigator, “A test of seborrheic keratosis physician lesion assessment reliability”
2015	Principal Investigator, “A phase 3 confirmatory study investigating the efficacy and safety of dupilumab monotherapy administered to adult patients with moderate-to-severe atopic dermatitis”
2015	Principal Investigator, “A multi-center, double-blind, randomized, vehicle-controlled, parallel-group study to compare Perrigo UK FINCO’s brimonidine topical gel 0.33% to Mirvaso® (brimonidine) topical gel 0.33%, and both active treatments to a vehicle control in the treatment of persistent (non-transient) facial erythema of rosacea”
2015	Principal Investigator, “A multi-center, randomized, double-blind, placebo-controlled study evaluating the safety and efficacy of LIPO-202 for the reduction of central abdominal bulging due to subcutaneous fat in non-obese subjects”
2015-2016	Principal Investigator, “An open-label phase II study to evaluate the safety of lebrikizumab compared to topical corticosteroids in adult patients with persistent, moderate to severe atopic dermatitis”

2015-2016	Principal Investigator, "A double-blind extension study to evaluate the post-treatment safety and duration of clinical effect of LIPO-202 in subjects who complete either the LIPO-202-CL-18 or LIPO-202-CL-19 study"
2015-2016	Principal Investigator, "A multicenter, randomized, double-blind study comparing the efficacy and safety of ixekizumab dosing regimens in patients with moderate-to-severe plaque psoriasis"
2015-2016	Principal Investigator, "A randomized, double-blind, vehicle-controlled, parallel group study of the safety, tolerability, bioavailability and dose-response of ALX-101 topical gel administered twice daily in adult subjects with mild to moderate atopic dermatitis (ALX-101-ATOP-201)"
2015-2016	Principal Investigator, "A phase 3, multicenter, double-blind, randomized, vehicle controlled clinical study to assess the safety and efficacy of IDP-118 in the treatment of plaque psoriasis (V01-118A-302)"
2015-present	Principal Investigator, "A phase 3, multicenter, open label study to evaluate the long-term safety of IDP-118 lotion in the treatment of plaque psoriasis (V01-118A-303)"
2015-present	Sub-investigator, "A phase 3, multicenter, randomized, double-blind, parallel-group, placebo-and-active-controlled study followed by a placebo-controlled maintenance period and open-label follow-up to evaluate the efficacy and safety of certolizumab pegol in subjects with moderate to severe chronic plaque psoriasis"
2016	Principal Investigator, "A randomized, double-blind, vehicle-controlled, parallel group study of the safety and effectiveness of A-101 solution 40% in subjects with seborrheic keratosis on the trunk, extremities and face (study 2)"
2016-present	Principal Investigator, "A randomized, double-blind, placebo-controlled, parallel-group, multicenter study to evaluate the effect of secukinumab on aortic vascular inflammation and cardiometabolic biomarkers after 12 weeks of treatment, compared to placebo, and up to 52 weeks of treatment with secukinumab in adult subjects with moderate to severe chronic plaque-type psoriasis"
2016-present	Principal Investigator, "BI 655066 versus ustekinumab and placebo comparators in a randomized double blind trial for maintenance use in moderate to severe plaque type psoriasis (UltIMMa-1)"
2016-present	Principal Investigator, "BI 655066 versus placebo in a multicenter randomized double-blind study in patients with moderate to severe chronic plaque psoriasis evaluating the efficacy and safety with randomized withdrawal and re-treatment (IMMhance)"
2016-present	Principal Investigator, "A multicenter, randomized, double-blind study comparing the efficacy and safety of ixekizumab versus placebo in patients with moderate-to-severe genital psoriasis"

2016-present	Principal Investigator, “A 52-week, multicenter, randomized, double-blind study of secukinumab (300 mg) to demonstrate efficacy as assessed by Psoriasis Area and Severity Index and Investigator’s Global Assessment after 12 weeks of treatment, compared to ustekinumab, and to assess long-term safety, tolerability, and efficacy in subjects with moderate to severe plaque psoriasis (CLARITY)”
2016-present	Principal Investigator, “A phase 2 randomized, double-blind, placebo-controlled, parallel-cohort study to evaluate the efficacy, safety, tolerability, and pharmacokinetics of once-daily application of topical VDA-1102 ointment for 28 days in subjects with actinic keratosis”
2016-present	Principal Investigator, “A multicenter, randomized, double-blind, placebo-controlled, parallel-group, dose ranging study to evaluate the safety, efficacy, pharmacokinetics and pharmacodynamics of bimekizumab in adult subjects with moderate-to-severe chronic plaque psoriasis”
2016-present	Principal Investigator, “A phase 2B, multicenter, 48-week, open-label extension study to assess the long-term safety, tolerability, and efficacy of bimekizumab in adult subjects with moderate-to-severe chronic plaque psoriasis”
2016-present	Principal Investigator, “A phase IIA, randomized, double-blind, placebo-controlled study of the safety and efficacy of varying regimens of CANDIN for treatment of common warts (verruca vulgaris)”
2016-present	Principal Investigator, “Phase 2 study of RVT-501 in adult and adolescent subjects with atopic dermatitis”
2017-present	Principal Investigator, “A multicenter, randomized, double-blind, placebo-controlled, parallel-group study to investigate the efficacy and safety of mepolizumab administered subcutaneously in subjects with moderate to severe atopic dermatitis”
2017-present	Principal Investigator, “A multicenter, open Label study to assess the safety and efficacy of rlsankizuMab for MalnTenance in moderate to severe pLaquE type pSoriaSis (LIMMITLESS)”
2017-present	Principal Investigator, “An open-label, randomized, actual use study of dupilumab auto-injector device in patients with atopic dermatitis”
2017-present	Principal Investigator, “Multicenter, randomized, double-blind, placebo-controlled, phase 2A study of setipiprant tablets in androgenetic alopecia in males with a comparator arm”
2017-present	Principal Investigator, “A randomized, double-blind, placebo-controlled, parallel group, multicenter study to explore changes in subcutaneous adipose tissue and modulation of skin inflammation after 12 weeks of treatment with secukinumab, compared to placebo, and up to 52 weeks of treatment with secukinumab in adult patients with moderate to severe plaque psoriasis (ADIPSO)”
2017-present	Principal Investigator, “A randomized, double-blind, placebo-controlled study to Investigate the efficacy and safety of dupilumab monotherapy in patients >12 to <18 years of age, with moderate-to-severe atopic dermatitis”

Research Grants:

- 1989-1993 "Intralesional Cyclosporine for Alopecia Totalis," Principal Investigator, Alopecia Areata Foundation Research Grant, \$15,000
- 1996-2004 "Immunologic and virologic studies of the skin with particular relevance to HIV disease and Kaposi's sarcoma pathogenesis," continual NIH intramural funding with increasing yearly budgets based upon outstanding evaluations by internal and external review panels
- 1998-2000 "Randomized Double-Blind Placebo-Controlled Trial Using Recombinant Human Interleukin-10 for Moderate-to-Severe Psoriasis," Principal Investigator, NCI Division of Clinical Sciences Intramural Research Award, \$100,000/year
- 1999-2006 "Topical Agents to Prevent Mucosal HIV Transmission," Co-Investigator, NIH extramural Program Project #AI51649
- 2000-2002 "Novel Transgenic Mouse Models of Kaposi's Sarcoma," Principal Investigator, NCI Division of Clinical Sciences Intramural Research Award, \$75,000/year
- 2004 "Topical Agents to Prevent Mucosal HIV Transmission," Principal Investigator, James B. Pendleton Charitable Trust, \$75,400
- 2005-2006 "Efalizumab for Moderate to Severe Atopic Dermatitis- A Phase I Pilot Study in Adults," Principal Investigator for laboratory based studies, Genentech, \$25,000
- 2006-2007 "The Role of IL-23 in the Pathogenesis of Psoriasis," Principal Investigator, National Psoriasis Foundation Research Grant, \$30,000
- 2006-2007 "Psoriasis as a T IL-17 Autoimmune Skin Disease?" Principal Investigator, Oregon Medical Research Foundation, \$30,000
- 2007-2010 "Psoriasis-like Disease Induced by TGF $\beta$ 1 and IL-23," Principal Investigator, Veterans Affairs Merit Award, \$375,000
- 2007 "Psoriasis-like Disease Induced by IL-23," Principal Investigator, American Skin Association, \$15,000
- 2007-2009 "Role of IL-23 in Psoriasis Pathogenesis," Principal Investigator, National Institutes of Health 1 R21 AR054495-01A1, \$275,000
- 2008-2009 "Investigating the IL-23/IL-17 Inflammatory Pathway in Psoriasis Patients Receiving Remicade Therapy," Principal Investigator, Centocor, \$67,400
- 2008-2009 "Psoriasis fellow support," Principal Investigator, Abbott, \$45,000
- 2009-2011 "Trim32 Regulation of Piasy in Skin Homeostasis," Co-investigator (3% effort), National Institutes of Health R01 AR055651
- 2009-2011 "Training in the Molecular Basis of Skin/Mucosa Pathobiology," Associate Program Director, National Institutes of Health T32 CA106195-06A1
- 2009-2011 "Comparative Effectiveness of Biologics for Psoriasis," Steering Committee Member, National Institutes of Health RC1 ARO58204
- 2009-2010 "*Candida albicans* as a potential immunologic trigger for psoriasis," Principal Investigator, Oregon Medical Research Foundation, \$40,000

2011-present "HIV-1 R5 Envelope Determinants and Properties that Affect Transmission," Significant Contributor, National Institutes of Health R01

Consulting Activities:

2003 Consultant, FDA Center for Drug Evaluation and Research  
2004 Scientific Consultant, Genentech  
2004-2007 Medical Advisory Board, Coria Laboratories, Ltd.  
2005-present Scientific Advisory Board, Maui Derm annual meeting  
2005-2008 Consultant, MEDACorp  
2005-present Scientific Consultant, Centocor, Inc./Janssen  
2005-2008 Dermatology National Faculty Speaker's Bureau, Centocor, Inc.  
2006-2011 Scientific Consultant, Anacor Pharmaceuticals  
2006-2008 Member, The Society of Industry Leaders  
2006-present Scientific Consultant, Abbott Laboratories, Inc./AbbVie  
2006-2008 Speaker Board, Abbott Laboratories, Inc.  
2006-2008 Speaker Board, Amgen  
2006-2008 Member, Medical Education Speakers Network  
2007 Consultant, CVS Pharmacy  
2007 Medical Consultant, Barrier Therapeutics, Inc.  
2007 Medical Consultant, Emeritus Educational Sciences  
2007 Scientific Consultant, CombinatoRx  
2007 Scientific Consultant, Cerimon Pharmaceuticals  
2007-present Scientific Consultant, Eli Lilly and Company  
2007-2010 Scientific Consultant, MacroGenics, Inc.  
2008 Scientific Consultant, PM Toleikis & Associates Consulting, Inc.  
2008-present Scientific Consultant, Amgen  
2008 Scientific Consultant, Vascular Biogenics, Ltd.  
2008-2013 Invited Member, Scientific Steering Committee for phase 4 PSUNRISE study, Centocor  
2009-2011 Invited Member, Scientific Steering Committee for phase 4 ESPRIT study, Abbott  
2010-2012 Scientific Consultant, Takeda Pharmaceuticals  
2010 Scientific Consultant, Artielle Immunotherapeutics  
2010-2012 Invited Key Informant, Federal Advisory Panel of the Agency for Healthcare Research and Quality on "Biologic and Non-biologic Systemic Agents and Phototherapy for Treatment of Chronic Plaque Psoriasis"  
2010-present Invited Member, Scientific Steering Committee for phase 3 secukinumab psoriasis studies, Novartis  
2010-present Scientific Consultant, Novartis  
2010-present Scientific Consultant, Pfizer  
2010-present Scientific Consultant, Boehringer Ingelheim  
2011-present Medical Advisor, Ultra  
2011-present Invited Lead Member, Scientific Steering Committee for phase 3B PSTELLAR study, Janssen



2012-2013	Dermatology National Faculty Speaker's Bureau, Janssen
2012	Scientific Consultant, Maruho
2012	Scientific Consultant, Allergan
2013-present	Scientific Consultant, Regeneron
2013-present	Invited Member, Lilly Autoimmune Strategic Advisory Board
2013-present	Invited Member, Lilly Global Advisory Board for ixekizumab
2013	Scientific Consultant, Baxter
2013-present	Scientific Consultant, Merck
2013	Scientific Consultant, Momenta
2013-present	Scientific Consultant, Celgene
2014-present	Invited Member, Scientific Steering Committee for phase 3 guselkumab psoriasis studies, Janssen
2014	Scientific Consultant, Samumed
2014-present	Scientific Consultant, Galderma
2015-present	Invited Member, Scientific Steering Committee for phase 3 BI 655066 psoriasis studies, Boehringer Ingelheim
2015-present	Invited Member, Publication Committee for phase 3 BI 655066 psoriasis studies, Boehringer Ingelheim
2015-present	Scientific consultant, Dermira
2015-present	Scientific consultant, Genentech
2015-present	Scientific consultant, Sanofi Genzyme
2015-present	Chair, Efficacy Subcommittee, Lilly Global Medical Education Steering Committee
2016-present	Scientific consultant, Valeant
2016	Scientific consultant, MedImmune/AstraZeneca
2016-present	Scientific consultant, UCB
2016-present	Scientific consultant, Sun Pharma
2016-present	Scientific consultant, Sandoz
2016-present	Scientific consultant, Gilead
2017-present	Scientific consultant, Purdue Pharma
2017-present	Scientific consultant, Roivant Sciences
2017-present	Scientific consultant, Almirall
2017-present	Scientific consultant, 23andMe
2017-present	Scientific consultant, Vidac

#### Mentorship:

- Primary mentor to 9 laboratory research-based postdoctoral fellows (2 with Ph.D.: Drs. J. Paul Zoetewij, Erin Harper; 2 with M.D.: Drs. Nickolai Talanin, Andrea Niedermeier; and 5 with M.D., Ph.D.: Drs. Tatsuyoshi Kawamura, Takahiro Watanabe, Makoto Sugaya, Wei Liao, Shinji Kagami)
  - 5 currently in independent academic positions (Drs. Kawamura, Sugaya, Niedermeier, Liao, Kagami)
  - 2 currently in industry (Drs. Zoetewij and Harper)
  - 2 currently in private practice dermatology (Drs. Watanabe and Talanin)

- Mentor to 8 clinical research-based postdoctoral fellows (7 with M.D.: Drs. Alexa Kimball, Allison Ehrlich, Edward Cowen, Gretchen Vanderbeek, Jennifer Lee, Aman Samrao, Brian Truong, Alison Uyemura)
  - 4 currently in independent academic positions (Drs. Kimball, Ehrlich, Cowen, Samrao)
  - 4 currently in private practice (Drs. Vanderbeek, Lee, Truong, Uyemura)
- Primary mentor to 9 students performing laboratory research before or during medical/graduate school
  - 2 went on to train in dermatology and currently in independent academic positions (Drs. Sharon Jacob and Aparche Yang)
  - 4 went on to train in dermatology and currently in private practice dermatology (Drs. April Atkins, Stacey Reed, Sam Bremmer, Ryan Sells)
  - 1 currently in dermatology residency (Ms. Erin Foster)
  - 2 currently in graduate school (Ms. Iliyana Mikell, Ms. Heather Rizzo)

Honors/Awards:

1980	Phi Eta Sigma (Freshmen Engineering Honor Society)
1983	Eta Kappa Nu (Electrical Engineering Honor Society)
1983	Tau Beta Pi (Engineering Honor Society)
1983	Golden Key (Leadership Honor Society)
1983	Mortar Board (Leadership Honor Society)
1984	Mortar Board Graduate Fellowship
1988	Alpha Omega Alpha
1992	University of Miami George Ioannides Award for Excellence in Resident Teaching
1996	American Academy of Dermatology Young Investigator in Dermatology Award
1999	U.S. Public Health Service Outstanding Service Medal
2000	Invited participant for "The Biology of HIV Transmission" NIH Think Tank
2001	Invited participant for "Antigen Presenting Cells in HIV Pathogenesis and Therapy" NIH Think Tank
2004	Elected member, American Society for Clinical Investigation
2007	Elected member, American Dermatological Association
2007	OHSU Department of Dermatology Faculty Award for Teaching
2007	OHSU Rose Award for Outstanding Service Excellence by a patient, visitor, or colleague
2008	National Psoriasis Foundation Certificate of Appreciation for outstanding advocacy service to the psoriasis community
2008	OHSU Department of Medicine Career Teaching Achievement Award
2008	University of Massachusetts John R. Person Lecturer in Dermatology
2008	University of Washington Robert Pommerening Lecturer in Dermatology
2011	Dermatology Nurses' Association First Annual Robin Weber Memorial Immunology Lecture
2011	OHSU Department of Dermatology Faculty Award for Teaching
2011	Invited Councilor, International Psoriasis Council
2012	University of Toronto Ricky K. Schachter Lecturer in Psoriasis
2013	Invited member, Noah Worcester Dermatological Society

## Bibliography-Scientific Articles:

1. Zhu WY, Blauvelt A, Goldstein BA, Leonardi CL, Penneys NS. Detection with the polymerase chain reaction of human papillomavirus DNA in condylomata acuminata treated in vitro with liquid nitrogen, trichloroacetic acid, and podophyllin. **J Am Acad Dermatol** 1992;26:710-714.
2. Zhu WY, Leonardi CL, Blauvelt A, Serfling U, Penneys NS. Human papillomavirus DNA in the dermis of condyloma acuminatum. **J Cutan Pathol** 1993;20:447-450.
3. Penneys NS, Leonardi CL, Cook S, Blauvelt A, Rosenberg S, Eells LD, Konwiser M, Aaronson CM. Identification of *Mycobacterium tuberculosis* DNA in five different types of cutaneous lesions by the polymerase chain reaction. **Arch Dermatol** 1993;129:1594-1598.
4. Blauvelt A, Katz SI, Udey MC. Human Langerhans cells express E-cadherin. **J Invest Dermatol** 1995;104:293-296.
5. Blauvelt A, Clerici M, Lucey DR, Steinberg SM, Yarchoan R, Walker R, Shearer GM, Katz SI. Functional studies of epidermal Langerhans cells and blood monocytes in HIV-infected persons. **J Immunol** 1995;154:3506-3515.
6. Enk CD, Sredni D, Blauvelt A, Katz SI. Induction of IL-10 gene expression in human keratinocytes by UVB exposure in vivo and in vitro. **J Immunol** 1995;154:4851-4856.
7. Blauvelt A, Chougnet C, Shearer GM, Katz SI. Modulation of T cell responses to recall antigens presented by Langerhans cells in HIV-discordant identical twins by anti-interleukin (IL)-10 antibodies and IL-12. **J Clin Invest** 1996;97:1550-1555.
8. Blauvelt A, Asada H, Klaus-Kovtun V, Altman DJ, Lucey DR, Katz SI. Interleukin-15 mRNA is expressed by human keratinocytes, Langerhans cells, and blood-derived dendritic cells and is downregulated by ultraviolet B radiation. **J Invest Dermatol** 1996;106:1047-1052.
9. Enk CD, Mahanty S, Blauvelt A, Katz SI. UVB induces IL-12 transcription in human keratinocytes *in vivo* and *in vitro*. **Photochem Photobiol** 1996;63:854-859.
10. Orenstein JM, Alkan S, Blauvelt A, Jeang KT, Weinstein MD, Ganem D, Herndier B. Visualization of human herpesvirus type 8 in Kaposi's sarcoma by light and transmission electron microscopy. **AIDS** 1997;11:F35-F45.
11. Blauvelt A, Sei S, Cook PM, Schulz TF, Jeang KT. Human herpesvirus 8 infection occurs following adolescence in the United States. **J Infect Dis** 1997;176:771-774.

12. Blauvelt A, Asada H, Saville MW, Klaus-Kovtun V, Altman DJ, Yarchoan R, Katz SI. Productive infection of dendritic cells by HIV-1 and their ability to capture virus are mediated through separate pathways. **J Clin Invest** 1997;100:2043-2053.
13. Blauvelt A, Herndier BG, Orenstein JM. Propagation of a human herpesvirus from AIDS-associated Kaposi's sarcoma (letter). **N Engl J Med** 1997;336:1837-1838.
14. Zaitseva M, Blauvelt A, Lee S, Lapham CK, Klaus-Kovtun V, Mostowski H, Manischewitz J, Golding H. Expression and function of CCR5 and CXCR4 on human Langerhans cells and macrophages: implications for HIV primary infection. **Nat Med** 1997;3:1369-1375.
15. Zoetewij JP, Golding H, Mostowski H, Blauvelt A. Cutting edge: cytokines regulate expression and function of the HIV coreceptor CXCR4 on human mature dendritic cells. **J Immunol** 1998;161:3219-3223.
16. Cohen SS, Weinstein MD, Herndier BG, Anhalt GJ, Blauvelt A. No evidence of human herpesvirus 8 infection in patients with paraneoplastic pemphigus, pemphigus vulgaris, or pemphigus foliaceus. **J Invest Dermatol** 1998;111:781-783.
17. Asada H, Klaus-Kovtun V, Golding H, Katz SI, Blauvelt A. Human herpesvirus 6 infects dendritic cells and suppresses human immunodeficiency virus type 1 replication in coinfecting cultures. **J Virol** 1999;73:4019-4028.
18. Zoetewij JP, Eyes ST, Orenstein JM, Kawamura T, Wu L, Chandran B, Forghani B, Blauvelt A. Identification and rapid quantification of early- and late-lytic human herpesvirus 8 infection in single cells by flow cytometric analysis: characterization of antiherpesvirus agents. **J Virol** 1999;73:5894-5902.
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23. Blauvelt A, Glushakova S, Margolis LB. HIV-infected human Langerhans cells transmit infection to human lymphoid tissue *ex vivo*. **AIDS** 2000;14:647-651.
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28. Kawamura T, Qalbani M, Thomas EK, Orenstein JM, Blauvelt A. Low levels of productive HIV infection in Langerhans cell-like dendritic cells differentiated in the presence of TGF- 1 and increased viral replication with CD40 ligand-induced maturation. **Eur J Immunol** 2001;31:360-368.
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33. Watanabe T, Kawamura T, Jacob SE, Aquilino EA, Orenstein JM, Black JB, Blauvelt A. Pityriasis rosea is associated with systemic active infection with both human herpesvirus-7 and human herpesvirus-6. **J Invest Dermatol** 2002;119:793-797.

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37. Kawamura T, Gulden FO, Sugaya M, McNamara DT, Borris DL, Lederman MM, Orenstein JM, Zimmerman PA, Blauvelt A. R5 HIV productively infects Langerhans cells, and infection levels are regulated by compound CCR5 polymorphisms. **Proc Natl Acad Sci U S A** 2003;100:8401-8406.
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### National/International Presentations:

1. Use of contaminated L-tryptophan is associated with eosinophilic fasciitis and generalized morphea. Residents and Fellows Symposium, American Academy of Dermatology. Atlanta, GA. December 1990.
2. Zhu WY, Blauvelt A, Goldstein BA, Leonardi CL, Penneys NS. Detection of human papillomavirus DNA in condyloma acuminata treated in vitro with liquid nitrogen, trichloroacetic acid, and podophyllin (poster). Society for Investigative Dermatology. Seattle, WA. May 1991.
3. Widespread primary cutaneous infection with *Mycobacterium fortuitum*. Gross and Microscopic Dermatology, American Academy of Dermatology. Dallas, TX. December 1991.
4. Blauvelt A, Iriando M. Large surgical wounds heal naturally with acceptable cosmetic results (poster). American Academy of Dermatology. Dallas, TX. December 1991.
5. Duarte AM, Blauvelt A, Schachner LA. Ki-1 positive large cell lymphoma in childhood (poster). American Academy of Dermatology. Washington, DC. December 1993.
6. Blauvelt A, Clerici M, Lucey DR, Yarchoan R, Walker R, Shearer GM, Katz SI. Antigen presentation by epidermal Langerhans cells in HIV-infected individuals (poster). The First National Conference on Human Retroviruses and Related Infections. Washington, DC. December 1993.
7. Antigen presentation by epidermal Langerhans cells in HIV-infected individuals is normal (invited speaker). Society for Investigative Dermatology. Baltimore, MD. April 1994.
8. Immunologic assessment of skin disease in AIDS (invited speaker). Triservices Dermatology Meeting. Bethesda, MD. May 1994.
9. The skin as target, vector, and effector organ in HIV disease (invited speaker). 43rd Annual Montagna Symposium on the Biology of the Skin. Snowmass, CO. August 1994.
10. Blauvelt A, Chougnet C, Shearer GM, Katz SI. T cell responses to protein antigens presented by Langerhans cells in HIV-discordant identical twins: modulation of responses by anti-IL-10 antibodies and IL-12 (invited speaker). Keystone Symposium on Dendritic Cells: Antigen Presenting Cells of T and B Lymphocytes. Taos, NM. March 1995.
11. Blauvelt A, Chougnet C, Shearer GM, Katz SI. T cell responses to protein antigens presented by Langerhans cells in HIV-discordant identical twins: modulation of responses by anti-IL-10 antibodies and IL-12 (poster). Interleukin-12 in Infection: Prospects for Prophylactic and Therapeutic Intervention. Bethesda, MD. May 1995.
12. T cell responses to recall antigens presented by Langerhans cells in HIV-discordant identical twins: modulation of responses by anti-IL-10 antibodies and IL-12 (invited speaker). Society for Investigative Dermatology. Chicago, IL. May 1995.
13. Blauvelt A, Saville MW, Asada H, Klaus-Kovtun V, Yarchoan R, Katz SI. Productive infection of cultured dendritic cells by HIV and their ability to capture virus are mediated through separate pathways (poster). Annual Meeting of the Laboratory of Tumor Cell Biology. Bethesda, MD. August 1995.
14. The role of skin dendritic cells in initial HIV infection (invited speaker). Centers for Disease Control workshop on HIV Post-Exposure Management of Health Care Workers. Atlanta, GA. March 1996.



15. Productive infection of Langerhans cell-like dendritic cells by HIV and their ability to capture virus are mediated through separate pathways (invited speaker). Society for Investigative Dermatology. Washington, DC. May 1996.
16. The role of Langerhans cells in the immunopathogenesis of HIV disease (invited speaker). The 1st Forum of the Japanese Society for Investigative Dermatology. Tokyo. March 1997.
17. The role of human herpesvirus type 8 in the pathogenesis of Kaposi's sarcoma (invited speaker). The 1<sup>st</sup> Forum of the Japanese Society for Investigative Dermatology. Tokyo. March 1997.
18. Blauvelt A, Sei S, Cook PM, Schulz TF, Jeang KT. Human herpesvirus 8 infection occurs following adolescence in the United States (poster). Keystone Symposium on AIDS Pathogenesis. Keystone, CO. April 1997.
19. Primary human herpesvirus type 8 infection occurs following adolescence in the United States (invited speaker). Society for Investigative Dermatology. Washington, DC. April 1997.
20. Expression of CCR-5, but not CXCR-4, on freshly isolated Langerhans cells correlates with restricted transmission of macrophage-tropic HIV (invited speaker). Society for Investigative Dermatology. Washington, DC. April 1997.
21. Primary human herpesvirus type 8 infection occurs following adolescence in the United States (invited speaker). National AIDS Malignancy Conference. Bethesda, MD. April 1997.
22. Surface expression of CCR-5, but not CXCR-4, on freshly isolated Langerhans cells correlates with restricted transmission of macrophage-tropic HIV (invited speaker). 5<sup>th</sup> International Workshop on Langerhans Cells. Salzburg, Austria. September 1997.
23. Zoetewij JP, Zaitseva M, Lapham C, Manischewitz J, Klaus-Kovtun V, Golding H, Blauvelt A. Cytokine regulation of CCR-5, CXCR-4 and CD4 on epidermal Langerhans cells (poster). Symposium on HIV-1 Infection, Mucosal Immunity & Pathogenesis. Bethesda, MD. September 1997.
24. Asada H, Klaus-Kovtun V, Golding H, Katz SI, Blauvelt A. Human herpesvirus 6 infects dendritic cells and suppresses HIV replication in co-infection studies (poster). Annual Meeting of the Institute of Human Virology. Baltimore, MD. September 1997.
25. Langerhans cells as the initial target cells for HIV following sexual exposure to virus (invited speaker). AIDS Symposium, American Academy of Dermatology. Orlando, FL. February 1998.
26. Immune dysregulation in HIV infection (invited speaker). Immunology: From the Bench to the Bedside, American Academy of Dermatology. Orlando, FL. March 1998.
27. How human herpesvirus 8 may cause Kaposi's sarcoma. Focus session, American Academy of Dermatology. Orlando, FL. March 1998.
28. The role of HIV in the pathogenesis of AIDS-associated Kaposi's sarcoma (invited speaker). Symposium on Kaposi's Sarcoma: Recent Advances in Virology and Treatment. Cleveland, OH. March 1998.
29. Type 2 cytokines upregulate and type 1 cytokines downregulate expression and function the HIV coreceptor CXCR4 in human Langerhans cells (invited speaker). Symposium on Cutaneous Immunology. Mainz, Germany. May 1998.

30. Human herpesvirus 6 infects dendritic cells and suppresses HIV replication in co-infected cultures (invited speaker). International Investigative Dermatology. Cologne, Germany. May 1998.
31. Zoetewij JP, Golding H, Blauvelt A. Cytokines regulate expression and function of the HIV coreceptor CXCR4 on human mature dendritic cells (poster). Annual Meeting of the Institute of Human Virology. Baltimore, MD. August 1998.
32. Chougnet C, Sharpe S, Landay AL, Smith K, Kessler HA, Blauvelt A, Shearer GM. Monocyte-derived dendritic cells from HIV+ patients produce normal amounts of IL-12 and IL-10 (poster). Annual Meeting of the Institute of Human Virology. Baltimore, MD. August 1998.
33. Blauvelt A, Glushakova S, Margolis LB. HIV-infected Langerhans cells transmit virus to lymphoid tissue in a novel model of primary HIV infection (poster). 6<sup>th</sup> Conference on Retroviruses and Opportunistic Infections. Chicago, IL. February 1999.
34. HIV and the immune system (invited speaker). Immunology course, American Academy of Dermatology. New Orleans, LA. March 1999.
35. How human herpesvirus 8 may cause Kaposi's sarcoma. Focus session, American Academy of Dermatology. New Orleans, LA. March 1999.
36. Human herpesviruses 7 and 8: links to pityriasis rosea and Kaposi's sarcoma (invited speaker). 76<sup>th</sup> Atlantic Dermatological Conference. Washington, DC. April 1999.
37. HIV-1 primary isolate infection of immature Langerhans cells within epithelial sheets: a novel model to study early events of primary HIV infection (invited speaker). Society for Investigative Dermatology. Chicago, IL. May 1999.
38. Zoetewij JP, Eyes ST, Orenstein JM, Kawamura T, Wu L, Chandran B, Forghani B, Blauvelt A. Identification and rapid quantification of lytic human herpesvirus 8 infection in single cells by flow cytometric analysis: characterization of antiherpesviral agents (poster). Society for Investigative Dermatology. Chicago, IL. May 1999.
39. Blauvelt A, Glushakova S, Margolis LB. HIV-infected human epidermal Langerhans cells migrate into and infect human lymphoid tissue (poster). Society for Investigative Dermatology. Chicago, IL. May 1999.
40. Kawamura T, Qalbani M, Orenstein JM, Blauvelt A. Human monocyte-derived dendritic cells propagated in the presence of GM-CSF, IL-4, and TGF  $\beta$  1 morphologically, phenotypically, and functionally resemble resident epidermal Langerhans cells (poster). Society for Investigative Dermatology. Chicago, IL. May 1999.
41. Zoetewij JP, Eyes ST, Kawamura T, Cohen SS, Wu L, Chandran B, Forghani B, Blauvelt A. Characterization and rapid quantification of lytic human herpesvirus 8 infection in single cells by flow cytometric analysis (poster). 3<sup>rd</sup> National AIDS Malignancy Conference. Bethesda, MD. May 1999.
42. Cohen SS, Kawamura T, Zoetewij JP, Aquilino EA, Qalbani M, Orenstein JM, Neurath AR, Blauvelt A. HIV-1 primary isolate infection of immature Langerhans cells within epithelial tissue explants: a novel model to study early biologic events involved in sexual transmission of HIV-1 (poster). Annual Meeting of the Institute of Human Virology. Baltimore, MD. August 1999.
43. Corticosteroids and cyclosporine directly stimulate human herpesvirus 8 reactivation in latently infected cells: implications for development of Kaposi's sarcoma (invited speaker). 2<sup>nd</sup> International Workshop on Kaposi's Sarcoma Associated Herpesvirus and Related Agents. Oxford, England. September 1999.

44. HIV primary isolate infection of immature Langerhans cells within epithelial tissue explants: a novel model to study early biologic events involved in sexual transmission of HIV (invited speaker). 6<sup>th</sup> International Workshop on Langerhans Cells. New York, NY. October 1999.
45. Kawamura T, Qalrani M, Orenstein JM, Blauvelt A. Human monocyte-derived dendritic cells propagated in the presence of GM-CSF, IL-4, and TGF  $\beta$  1 morphologically, phenotypically, and functionally resemble resident epidermal Langerhans cells (poster). 6<sup>th</sup> International Workshop on Langerhans Cells. New York, NY. October 1999.
46. HIV and the immune system (invited speaker). Immunology course, American Academy of Dermatology. San Francisco, CA. March 2000.
47. How human herpesvirus 8 may cause Kaposi's sarcoma. Focus session, American Academy of Dermatology. San Francisco, CA. March 2000.
48. The role of HHV-8 in KS (invited speaker). AIDS and STD Symposium, American Academy of Dermatology. San Francisco, CA. March 2000.
49. *Ex vivo* HIV-1 infection of human immature Langerhans cells within epithelial tissue explants: a novel model for sexual transmission of HIV-1 (invited speaker). Microbicides 2000. Washington, DC. March 2000.
50. Epithelial and mucosal explant models (invited speaker). Biology of HIV Transmission Think Tank. Warrenton, VA. April 2000.
51. Distinct calcineurin- and protein kinase C-mediated signal transduction pathways are involved in reactivation of Kaposi's sarcoma-associated herpesvirus in latently infected cells (invited speaker). Society for Investigative Dermatology. Chicago, IL. May 2000.
52. Pathogenesis of skin diseases associated with human herpesviruses 6, 7, and 8 (invited speaker). 49<sup>th</sup> Annual Montagna Symposium on the Biology of the Skin. Snowmass, CO. August 2000.
53. Skin disease in HIV-infected individuals (invited speaker). Georgia Department of Corrections Annual Meeting. Macon, GA. February 2001.
54. The role of Langerhans cells in the sexual transmission of HIV (invited speaker). AIDS & STD Symposium, American Academy of Dermatology. Washington, DC. March 2001.
55. HIV and the immune system (invited speaker). Immunology course, American Academy of Dermatology. Washington, DC. March 2001.
56. How KSHV may cause Kaposi's sarcoma. Focus session, American Academy of Dermatology. Washington, DC. March 2001.
57. gp120 secreted by HIV-infected dendritic cells suppresses CD4<sup>+</sup> T cell proliferation and IL-2 production: reversal of immunosuppression by soluble CD4, but not by anti-retroviral drugs (invited speaker). Keystone Symposium on Dendritic Cells: Interfaces with Immunobiology and Medicine. Taos, NM. March 2001.
58. RANTES analogues block R5 HIV-1 infection of Langerhans cells within epithelial tissue explants (poster). Keystone Symposium on Dendritic Cells: Interfaces with Immunobiology and Medicine. Taos, NM. March 2001.
59. T cell dysfunction induced by HIV-infected dendritic cells (invited speaker). Society for Investigative Dermatology. Washington, DC. May 2001.
60. Clinical and immunologic assessment of psoriasis patients in a randomized double-blind placebo-controlled trial using recombinant human interleukin-10 (poster). Society for Investigative Dermatology. Washington, DC. May 2001.

61. Comparative inhibition of R5 HIV infection in epidermal Langerhans cells by novel chemically modified RANTES analogues (poster). Society for Investigative Dermatology. Washington, DC. May 2001.
62. Clinical and immunologic assessment of psoriasis patients in a randomized double-blind placebo-controlled trial using recombinant human interleukin-10 (invited speaker). International Psoriasis Symposium. San Francisco, CA. June 2001.
63. Watanabe T, Atkins AM, Aquilino EA, Blauvelt A. Cloning and genomic characterization of the murine *VEGFR-3* gene and promoter (poster). 4<sup>th</sup> International Workshop on KSHV and Related Agents. Santa Cruz, CA. August 2001.
64. Chemically modified RANTES analogues block CCR5-mediated HIV infection of Langerhans cells within epithelial tissue explants (invited speaker). 7<sup>th</sup> International Workshop on Langerhans Cells. Stresa, Italy. September 2001.
65. HIV infection of LC and DC *in vitro* (invited speaker). Antigen Presenting Cells in HIV Pathogenesis and Therapy Think Tank. Warrenton, VA. October 2001.
66. HIV and the immune system (invited speaker). Immunology course, American Academy of Dermatology. New Orleans, LA. February 2002.
67. Topical microbicides to prevent sexual transmission of HIV (invited speaker). AIDS & STD Symposium, American Academy of Dermatology, New Orleans, LA. February 2002.
68. KSHV *LANA* immortalizes primary human umbilical vein endothelial cells (invited speaker). 6<sup>th</sup> International Conference on Malignancies in AIDS and Other Immunodeficiencies: Basic, Epidemiologic and Clinical Research. Bethesda, MD. April 2002.
69. Sugaya M, Watanabe T, Atkins AM, Aquilino EA, Borris DL, Jaffe E, Feigenbaum L, Blauvelt A. Transgenes expressed under the control of the *VEGFR-3* promoter are selectively expressed by lymphatic endothelial cells of transgenic mice (poster). 6<sup>th</sup> International Conference on Malignancies in AIDS and Other Immunodeficiencies: Basic, Epidemiologic and Clinical Research. Bethesda, MD. April 2002.
70. HIV infection of human Langerhans cells in tissue explants (invited speaker). Immune Mechanisms in HIV Disease. Cleveland, OH. May 2002.
71. Histone deacetylase inhibitors reactivate Kaposi's sarcoma-associated herpesvirus (invited plenary speaker). Society for Investigative Dermatology. Los Angeles, CA. May 2002.
72. Role of KSHV in KS pathogenesis (invited speaker). 20<sup>th</sup> World Congress of Dermatology. Paris, France. July 2002.
73. Topical microbicides to prevent sexual transmission of HIV (invited speaker). 20<sup>th</sup> World Congress of Dermatology. Paris, France. July 2002.
74. Langerhans cell biology and pathology (invited speaker). Basic Science Course, American Academy of Dermatology summer meeting. New York, NY. August 2002.
75. R5 HIV infection of Langerhans cells within epithelial tissue explants is regulated by compound *CCR5* polymorphisms and is blocked by chemically modified RANTES analogues (poster). 10<sup>th</sup> Conference on Retroviruses and Opportunistic Infections. Boston, MA. February 2003.
76. Immunological responses to pathogens (invited speaker). Immunology course, American Academy of Dermatology. San Francisco, CA. March 2003.

77. Preventing sexual transmission of HIV by topical microbicides (invited speaker). AIDS & STD Symposium, American Academy of Dermatology. San Francisco, CA. March 2003.
78. R5 HIV infection of Langerhans cells within epithelial tissue explants is regulated by compound *CCR5* polymorphisms and is blocked by chemically modified RANTES analogues (poster). Topical Microbicides Development and Evaluation Workshop. Washington, DC. March 2003.
79. Lymphatic dysfunction in Kaposi's sarcoma-associated herpesvirus *k-cyclin* transgenic mice (poster). 7<sup>th</sup> International Conference on Malignancies in AIDS and Other Immunodeficiencies: Basic, Epidemiologic and Clinical Research. Bethesda, MD. April 2003.
80. Lymphatic dysfunction in Kaposi's sarcoma-associated herpesvirus *k-cyclin* transgenic mice (poster). International Investigative Dermatology. Miami Beach, FL. May 2003.
81. Langerhans cell biology (invited speaker). State-of-the-Art Issues in Contact Dermatitis. Hershey, PA. July 2003.
82. Langerhans cell biology and pathology (invited speaker). Basic Science Course, American Academy of Dermatology summer meeting. Chicago, IL. July 2003.
83. Immunological responses to pathogens (invited speaker). Immunology course, American Academy of Dermatology. Washington, DC. February 2004.
84. Langerhans cells as initial targets for HIV (invited speaker). AIDS & STD Symposium, American Academy of Dermatology. Washington, DC. February 2004.
85. The role of Langerhans cells in HIV pathogenesis (invited speaker). Society for Investigative Dermatology. Providence, RI. May 2004.
86. Targeted inhibition of CCR5 with PSC-RANTES is sufficient to block intravaginal transmission of SHIV in rhesus macaques (invited speaker). Society for Investigative Dermatology. Providence, RI. May 2004.
87. Langerhans cell biology and pathology (invited speaker). Basic Science Course, American Academy of Dermatology summer meeting. New York, NY. July 2004.
88. Update on Immunotherapy for Cancer (invited speaker). American Academy of Dermatology summer meeting. New York, NY. July 2004.
89. HIV-infected Langerhans cells preferentially transmit virus to proliferating autologous CD4<sup>+</sup> memory T cells located in Langerhans cell-T cell clusters (invited speaker). 2004 International Meeting of the Institute of Human Virology. Baltimore, MD. November 2004.
90. Immunology update (invited speaker). Advances in Cosmetic & Medical Dermatology. Wailea, HI. January 2005.
91. Virology update (invited speaker). Advances in Cosmetic & Medical Dermatology. Wailea, HI. January 2005.
92. HIV disease: 25 years of success & failure (invited speaker). American Academy of Dermatology annual meeting. New Orleans, LA. February 2005.
93. Update on KSHV & Kaposi's sarcoma (invited speaker). American Academy of Dermatology annual meeting. New Orleans, LA. February 2005.
94. CCR5 mediated infection of Langerhans cells (invited speaker). Keystone Symposium on HIV Pathogenesis. Banff, Canada. April 2005.

95. C34, a membrane fusion inhibitor, blocks HIV infection of human Langerhans cells and LC-mediated transfer of virus to T cells (invited speaker). Clinical Scholars Program. Society for Investigative Dermatology. St. Louis, MO. May 2005.
96. C34, a membrane fusion inhibitor, blocks HIV infection of human Langerhans cells and LC-mediated transfer of virus to T cells (invited speaker). Society for Investigative Dermatology. St. Louis, MO. May 2005.
97. How HIV interacts with Langerhans cells (invited speaker). 9th International Workshop on Langerhans Cells. Funchal, Portugal. September 2005.
98. New concepts in the pathogenesis and treatment of psoriasis (invited speaker). Dermatology Foundation Clinical Symposia. Naples, FL. January 2006.
99. Skin disease and treatment in HIV-infected individuals receiving HAART (invited speaker). Dermatology Foundation Clinical Symposia. Naples, FL. January 2006.
100. Psoriasis: a model of an immunologic disease (invited speaker). Advances in Cosmetic & Medical Dermatology. Wailea, HI. February 2006.
101. Infectious diseases of the skin 2006 (invited speaker). Advances in Cosmetic & Medical Dermatology. Wailea, HI. February 2006.
102. Careers in academic dermatology (invited speaker). American Academy of Dermatology annual meeting. San Francisco, CA. March 2006.
103. HIV skin disease - current issues (invited speaker). American Academy of Dermatology annual meeting. San Francisco, CA. March 2006.
104. Efalizumab causes marked increases in the percentages of circulating T cells expressing cutaneous lymphocyte antigen in patients with atopic dermatitis (poster). Society for Investigative Dermatology. Philadelphia, PA. May 2006.
105. A novel orf-induced subepidermal immunobullous mucocutaneous disease (poster). Society for Investigative Dermatology. Philadelphia, PA. May 2006.
106. Psoriatic arthritis 101: learning the basics (invited speaker). National Psoriasis Foundation 2006 National Conference. Portland, OR. August 2006.
107. Drugs in development: the research pipeline (invited speaker). National Psoriasis Foundation 2006 National Conference. Portland, OR. August 2006.
108. Current concepts in the immunology of cutaneous diseases (invited speaker). Advances in Cosmetic & Medical Dermatology. Wailea, HI. January 2007.
109. New drugs for psoriasis on the horizon (invited speaker). Advances in Cosmetic & Medical Dermatology. Wailea, HI. January 2007.
110. Clinical update on HIV and herpesviruses (invited speaker). Advances in Cosmetic & Medical Dermatology. Wailea, HI. January 2007.
111. Careers in academic dermatology (invited speaker). American Academy of Dermatology annual meeting. Washington, DC. February 2007.
112. Practical aspects of treating individuals with psoriasis (invited speaker). Caremark National Pharmacy & Therapeutics Committee Meeting. Chicago, IL. February 2007.
113. The innovative 90's (invited speaker). Celebrating 50 years of excellence in dermatology and cutaneous surgery at the University of Miami. Miami Beach, FL. March 2007.
114. Topical microbicides to block sexual transmission of HIV (invited speaker). Celebrating 50 years of excellence in dermatology and cutaneous surgery at the University of Miami. Miami Beach, FL. March 2007.

115. Targeting the IL-23/IL-17 inflammatory pathway in humans: lessons learned from psoriasis (invited speaker). American Uveitis Society annual meeting. Ft. Lauderdale, FL. May 2007.
116. Psoriasis as a Th17 disease? American Dermatological Association annual meeting. Beaver Creek, CO. August 2007.
117. Th17 cells are present in psoriasis lesional skin and produce cytokines that stimulate CCL20 production by keratinocytes. Montagna Symposium on the Biology of Skin. Gleneden Beach, OR. October 2007.
118. *Acad*, the academia gene (invited speaker). American Academy of Dermatology annual meeting. San Antonio, TX. February 2008.
119. Emerging trends in psoriasis (invited speaker). American Academy of Dermatology annual meeting. San Antonio, TX. February 2008.
120. Update on topical microbicides to prevent sexual transmission of HIV (invited speaker). Maui Derm 08: Advances in Cosmetic & Medical Dermatology. Wailea, HI. February 2008.
121. Evolving concepts in the immunology of cutaneous diseases (invited speaker). Maui Derm 08: Advances in Cosmetic & Medical Dermatology. Wailea, HI. February 2008.
122. Clinical study data on new biologics for psoriasis (invited speaker). MauiDerm 08: Advances in Cosmetic & Medical Dermatology. Wailea, HI. February 2008.
123. Th17 cells present in psoriasis produce cytokines that promote CCR6-CCL20 mediated chemotaxis of additional Th17 cells into skin (poster). International Investigative Dermatology meeting. Kyoto, Japan. May 2008.
124. Psoriasis-like disease in *K5.hTGF- $\beta$ 1* transgenic mice is not dependent upon the IL-23/Th17 inflammatory pathway (poster). International Investigative Dermatology meeting. Kyoto, Japan. May 2008.
125. Identification and quantification of Th17 cells in psoriasis. Montagna Symposium on the Biology of Skin. Gleneden Beach, OR. October 2008.
126. The science of psoriasis. National Psoriasis Foundation 10th Annual Chief Resident's Meeting on Psoriasis and Psoriatic Arthritis. Chicago, IL. November 2008.
127. Immunology update 2009: more evidence for IL-23 as a "master cytokine" and critical target in psoriasis (invited speaker). Maui Derm 09: Advances in Cosmetic & Medical Dermatology. Wailea, HI. January 2009.
128. Infections associated with TNF- $\alpha$  blockers: fact and fiction (invited speaker). Maui Derm 09: Advances in Cosmetic & Medical Dermatology. Wailea, HI. January 2009.
129. IL-23 as a master cytokine and critical target in psoriasis (invited speaker). Dermatology Nurses' Association annual meeting. San Francisco, CA. March 2009.
130. *Acad*, the academia gene (invited speaker). American Academy of Dermatology annual meeting. San Francisco, CA. March 2009.
131. Genetics and immunology of psoriasis (invited speaker). American Academy of Dermatology annual meeting. San Francisco, CA. March 2009.
132. Immunodermatology update (invited speaker). American Academy of Dermatology annual meeting. San Francisco, CA. March 2009.
133. Immunology of psoriasis (invited speaker). American Academy of Dermatology annual meeting. San Francisco, CA. March 2009.
134. IL-23 as a critical target for future psoriasis therapy (invited speaker). American Academy of Dermatology annual meeting. San Francisco, CA. March 2009.

135. IL-23 as a master cytokine and critical target in psoriasis (invited speaker). Dermatology Update annual meeting. Montreal, Canada. March 2009.
136. Update on ustekinumab (invited speaker). Dermatology Update annual meeting. Montreal, Canada. March 2009.
137. Psoriasis: cutting edge advances for an ancient disease (invited speaker). National Psoriasis Foundation webcast. Portland, OR. March 2009.
138. Th17 cells in skin immunity and disease (invited speaker). Society for Investigative Dermatology annual meeting. Montreal, Canada. May 2009.
139. MAPK-dependent CCL21 expression by lymphatic endothelial cells (poster). Society for Investigative Dermatology annual meeting. Montreal, Canada. May 2009.
140. Increased IL-23 expression, but not IL-12, in individuals with hyperkeratotic hand dermatitis or palmoplantar psoriasis (poster). Society for Investigative Dermatology annual meeting. Montreal, Canada. May 2009.
141. NF- $\kappa$ B- and STAT3-dependent cytokine production by circulating CCR6+CD4+ Th17 cells is increased in psoriasis, and decreases with effective therapy (poster). Society for Investigative Dermatology annual meeting. Montreal, Canada. May 2009.
142. Psoriasis as a systemic inflammatory disease: increases in circulating Th17, Th1, Th17/Th1, and Th22 cells (poster). 2nd World Psoriasis and Psoriatic Arthritis Conference. Stockholm, Sweden. June 2009.
143. In vivo measurements of epidermal thickness by reflectance mode confocal microscopy to assess cellular proliferation induced by topical agents (poster). Biophotonics '09. Ven, Sweden. June 2009.
144. Prevalence of *Staphylococcus aureus* colonization among those using biologic therapy (poster). American College of Rheumatology annual scientific meeting. Philadelphia, PA. October 2009.
145. The science that underlies the development and use of ustekinumab (invited speaker). Maui Derm 10: Advances in Cosmetic & Medical Dermatology. Wailea, HI. January 2010.
146. Psoriasis in women and children (invited speaker). Maui Derm 10: Advances in Cosmetic & Medical Dermatology. Wailea, HI. January 2010.
147. Infliximab therapy in psoriasis patients previously treated with etanercept: final efficacy and safety results from a multicenter, prospective study (poster). American Academy of Dermatology. Miami, FL. March 2010.
148. Immunodermatology update (invited speaker). American Academy of Dermatology annual meeting. Miami, FL. March 2010.
149. Immunology of psoriasis (invited speaker). American Academy of Dermatology annual meeting. Miami, FL. March 2010.
150. IL-23-mediated epidermal hyperplasia is dependent on IL-17A in mice (poster). Society for Investigative Dermatology annual meeting. Atlanta, GA. May 2010.
151. IL-23 and Th17 cytokines control cutaneous infection with *Candida albicans* as well as *C. albicans*-induced epidermal hyperplasia (poster). Society for Investigative Dermatology annual meeting. Atlanta, GA. May 2010.
152. Production of LL-37 during herpes simplex virus type 2 infection in human keratinocytes enhances HIV susceptibility in Langerhans cells (poster). Society for Investigative Dermatology annual meeting. Atlanta, GA. May 2010.



153. Role of IL-23 and Th17 cells in the pathogenesis of psoriasis (invited speaker). Clinical Immunology Society annual meeting. Philadelphia, PA. May 2010.
154. Efficacy, safety, and health-related quality of life of infliximab therapy in plaque psoriasis patients previously treated with etanercept: analysis of PSUNRISE study group (poster). Congress of the Psoriasis International Network. Paris, France. July 2010.
155. Dermatologists as gatekeepers for multidisciplinary care of psoriasis (invited speaker). Murdough Family Center for Psoriasis 2<sup>nd</sup> Annual CME Clinical Symposium. Cleveland, OH. September 2010.
156. Infliximab improves high-impact features of psoriasis in patients with an inadequate response to etanercept: analysis of PSUNRISE results (poster). European Academy of Dermatology and Venereology annual meeting. Gothenburg, Sweden. October 2010.
157. Role of IL-23 and Th17 cells in skin infections and psoriasis. Department of Dermatology Special Lecture. Aarhus University. Aarhus, Denmark. October 2010.
158. Colonization and infection by *Staphylococcus aureus* among those using biologic therapy (poster). American College of Rheumatology annual meeting. Atlanta, GA. October 2010.
159. Immunodermatology (invited speaker). American Academy of Dermatology annual meeting. New Orleans, LA. February 2011.
160. Immunology of psoriasis (invited speaker). American Academy of Dermatology annual meeting. New Orleans, LA. February 2011.
161. New developments in blockade of the IL-23/IL-17 pathway in psoriasis (invited speaker). American Academy of Dermatology annual meeting. New Orleans, LA. February 2011.
162. ESPRIT: Interim results from a 10-year postmarketing surveillance registry of adalimumab treatment for moderate to severe psoriasis (poster). American Academy of Dermatology annual meeting. New Orleans, LA. February 2011.
163. Cutaneous immunology (invited speaker). Maui Derm 2011: Advances in Cosmetic & Medical Dermatology. Wailea, HI. February 2011.
164. Psoriasis update 2011 (invited speaker). Maui Derm 2011: Advances in Cosmetic & Medical Dermatology. Wailea, HI. February 2011.
165. Infectious disease update 2011 (invited speaker). Maui Derm 2011: Advances in Cosmetic & Medical Dermatology. Wailea, HI. February 2011.
166. The immunological basis of common dermatologic diseases (invited speaker). Dermatology Nurses' Association annual meeting. San Diego, CA. March 2011.
167. Viruses and skin diseases (invited speaker). Dermatology Nurses' Association annual meeting. San Diego, CA. March 2011.
168. High prevalence of psoriatic arthritis with a significant impact on quality of life in psoriasis patients evaluated at a multidisciplinary center for complex psoriatic disease (poster). Society for Investigative Dermatology annual meeting. Phoenix, AZ. May 2011.
169. *Staphylococcus aureus* colonization does not increase the rate of infection among psoriasis patients using biologic therapy (poster). Society for Investigative Dermatology annual meeting. Phoenix, AZ. May 2011.
170. An orally delivered CCR5 inhibitor, Maraviroc, prevents HIV-1 acquisition in Langerhans cells and transmission to CD4+ T cells (poster). Society for Investigative Dermatology annual meeting. Phoenix, AZ. May 2011.

171. Higher prevalence of *Staphylococcal aureus* colonization in psoriatic patients may predispose to incident infections (poster). Group for Research and Assessment of Psoriasis and Psoriatic Arthritis annual meeting. Naples, Italy. July 2011.
172. Conflict of interest disclosure: not enough (invited speaker). American Dermatological Association annual meeting (invited speaker). Napa, CA. September 2011.
173. Infections on immunosuppressives (invited speaker). Maui Derm 2012: Advances in Cosmetic & Medical Dermatology. Wailea, HI. February 2012.
174. Immunology update (invited speaker). Maui Derm 2012: Advances in Cosmetic & Medical Dermatology. Wailea, HI. February 2012.
175. Immunodermatology update (invited speaker). American Academy of Dermatology annual meeting. San Diego, CA. March 2012.
176. Immunology of psoriasis (invited speaker). American Academy of Dermatology annual meeting. San Diego, CA. March 2012.
177. Practical immunology (invited speaker). American Academy of Dermatology annual meeting. San Diego, CA. March 2012.
178. Targeted therapies for psoriasis (invited speaker). American Academy of Dermatology annual meeting. San Diego, CA. March 2012.
179. Do we know the cost of dermatologic specialty care? A survey of dermatology providers, residents and patients (poster). Society for Investigative Dermatology annual meeting. Raleigh, NC. May 2012.
180. Delayed wound healing due to increased interleukin-10 expression in mice with lymphatic dysfunction (poster). Society for Investigative Dermatology annual meeting. Raleigh, NC. May 2012.
181. Simple questions in the dermatology office may reasonably exclude, but do not reliably identify psoriatic arthritis patients: results from the Center of Excellence for Psoriasis and Psoriatic Arthritis (CEPPA) (poster). 3rd World Psoriasis and Psoriatic Arthritis Conference. Stockholm, Sweden. June 2012.
182. Clinical features of actinic keratoses (invited speaker). Symbio Investigator Meeting. Santa Fe, NM. August 2012.
183. The science behind new therapies for psoriasis (invited speaker). Ricky K. Schachter Lecturer in Psoriasis. University of Toronto. Toronto, Canada. September 2012.
184. Managing complicated cases of psoriasis (invited speaker). Ricky K. Schachter Lecturer in Psoriasis. University of Toronto. Toronto, Canada. September 2012.
185. Simple questions in the dermatology office may reasonably exclude, but do not reliably identify psoriatic arthritis patients: results from the Center of Excellence for Psoriasis and Psoriatic Arthritis (poster). American College of Rheumatology annual meeting. Washington, DC. November 2012.
186. Immunodermatology (invited speaker). Maui Derm NP+PA 2013: Advances & Approaches for the Dermatologic Practitioner. Wailea, HI. January 2013.
187. Infections: year in review (invited speaker). Maui Derm 2013: Advances in Cosmetic & Medical Dermatology. Wailea, HI. January 2013.
188. Immunodermatology: year in review (invited speaker). Maui Derm 2013: Advances in Cosmetic & Medical Dermatology. Wailea, HI. January 2013.
189. Evolving concepts in understanding the role of cytokines in the pathogenesis of psoriasis (invited speaker). American Academy of Dermatology annual meeting. Miami, FL. March 2013.

190. Off-label uses of ustekinumab (invited speaker). American Academy of Dermatology annual meeting. Miami, FL. March 2013.
191. Exploring psoriatic cellular immunity (invited speaker). American Academy of Dermatology annual meeting. Miami, FL. March 2013.
192. Herpesviruses (invited speaker). Maui Derm NP+PA 2013: Advances & Approaches for the Dermatologic Practitioner. Park City, UT. June 2013.
193. Psoriatic arthritis (invited speaker). Maui Derm NP+PA 2013: Advances & Approaches for the Dermatologic Practitioner. Park City, UT. June 2013.
194. Basic science psoriasis update (invited speaker). Maui Derm NP+PA 2013: Advances & Approaches for the Dermatologic Practitioner. Park City, UT. June 2013.
195. Structure and function of skin (invited speaker). Maui Derm NP+PA 2013: Advances & Approaches for the Dermatologic Practitioner. Park City, UT. June 2013.
196. Psoriasis variants (invited speaker). Maui Derm NP+PA 2013: Advances & Approaches for the Dermatologic Practitioner. Park City, UT. June 2013.
197. Emerging concepts in psoriasis: immunopathology and burden of disease (invited speaker). Novartis National Speaker Training Meeting. Chicago, IL. July 2013.
198. Secukinumab shows substantial improvement in both psoriasis symptoms and physical functioning in moderate-to-severe plaque psoriasis subjects with psoriatic arthritis: a subanalysis of a phase 3, multicenter, double-blind, placebo-controlled study (poster). European Academy of Dermatology and Venereology annual meeting. Istanbul, Turkey. October 2013.
199. Secukinumab shows substantial improvement in both psoriasis symptoms and physical functioning in moderate-to-severe plaque psoriasis subjects with psoriatic arthritis: a subanalysis of a phase 3, multicenter, double-blind, placebo-controlled study (poster). American College of Rheumatology annual meeting. San Diego, CA. October 2013.
200. HIV update for 2014 (invited speaker). Maui Derm NP+PA 2014: Advances & Approaches for the Dermatologic Practitioner. Wailea, HI. January 2014.
201. Cutaneous immunology (invited speaker). Maui Derm NP+PA 2014: Advances & Approaches for the Dermatologic Practitioner. Wailea, HI. January 2014.
202. Immunology of psoriasis (invited speaker). Maui Derm 2014: Advances in Cosmetic & Medical Dermatology. Wailea, HI. January 2014.
203. Ixekizumab rapidly improves psoriasis within 2 weeks (poster). Maui Derm 2014: Advances in Cosmetic & Medical Dermatology. Wailea, HI. January 2014.
204. Off-label use of ustekinumab (invited speaker). American Academy of Dermatology annual meeting. Denver, CO. March 2014.
205. Off-label use of biologics (invited speaker). American Academy of Dermatology annual meeting. Denver, CO. March 2014.
206. Secukinumab efficacy in subjects with moderate-to-severe plaque psoriasis and concomitant psoriatic arthritis: a subanalysis of the ERASURE study (invited speaker). American Academy of Dermatology annual meeting. Denver, CO. March 2014.
207. Immunology of psoriasis (invited speaker). American Academy of Dermatology annual meeting. Denver, CO. March 2014.
208. Secukinumab efficacy and safety: results from the first study of secukinumab in prefilled syringes in subjects with chronic plaque-type psoriasis response at 12 weeks (FEATURE) (poster). American Academy of Dermatology annual meeting. Denver, CO. March 2014.

209. Secukinumab efficacy and safety: results from the first study of secukinumab in prefilled syringes in subjects with chronic plaque-type psoriasis response at 12 weeks (FEATURE) (poster). Dermatology Nurses' Association annual meeting. Orlando, FL. May 2014.
210. Impact of ixekizumab on blood neutrophil levels and the incidence of infections caused by *Candida albicans* or *Staphylococcus aureus* (invited speaker). Society for Investigative Dermatology annual meeting. Albuquerque, NM. May 2014.
211. Psoriasis: general features and approach to the patient (invited speaker). Psoriasis Summit, Eli Lilly and Company. Barcelona, Spain. May 2014.
212. Secukinumab reduces hsCRP levels in subjects with moderate-to-severe plaque psoriasis and concomitant psoriatic arthritis: a sub-analysis from the phase 3 ERASURE study (poster). European League Against Rheumatism annual meeting. Paris, France. June 2014.
213. Candidiasis in secukinumab-treated subjects is non-serious and transient: a pooled analysis of data from 10 phase 2 and 3 clinical trials in psoriasis (poster). Federation of Clinical Immunology Societies annual meeting. Chicago, IL. June 2014.
214. Structure and function of skin (invited speaker). Maui Derm NP+PA 2014: Advances & Approaches for the Dermatologic Practitioner. Park City, UT. June 2014.
215. Immunology 101: the basics (invited speaker). Maui Derm NP+PA 2014: Advances & Approaches for the Dermatologic Practitioner. Park City, UT. June 2014.
216. Immunology 101: psoriasis, atopic dermatitis, and melanoma immunology (invited speaker). Maui Derm NP+PA 2014: Advances & Approaches for the Dermatologic Practitioner. Park City, UT. June 2014.
217. Immunology 101: HIV and the skin (invited speaker). Maui Derm NP+PA 2014: Advances & Approaches for the Dermatologic Practitioner. Park City, UT. June 2014.
218. Psoriasis case presentations (invited speaker). Maui Derm NP+PA 2014: Advances & Approaches for the Dermatologic Practitioner. Park City, UT. June 2014.
219. The psoriasis pipeline (invited speaker). Maui Derm NP+PA 2014: Advances & Approaches for the Dermatologic Practitioner. Park City, UT. June 2014.
220. Ustekinumab therapy for psoriasis (invited speaker). Pacific Dermatologic Association annual meeting. Vancouver, Canada. August 2014.
221. JAK inhibitors as treatment in psoriasis: understanding efficacy (invited speaker). 44<sup>th</sup> Annual European Society for Dermatological Research Meeting. Copenhagen, Denmark. September 2014.
222. Evaluation of infections with secukinumab in a pooled analysis of 10 clinical studies of moderate-to-severe plaque psoriasis (poster). 44<sup>th</sup> Annual European Society for Dermatological Research Meeting. Copenhagen, Denmark. September 2014.
223. Crossfire symposium: the advent of biosimilars (invited speaker). European Academy of Dermatology and Venereology annual meeting. Amsterdam, Netherlands. October 2014.
224. Secukinumab demonstrates an acceptable safety profile in moderate to severe plaque psoriasis: pooled analysis of 10 phase 2/3 studies (poster). European Academy of Dermatology and Venereology annual meeting. Amsterdam, Netherlands. October 2014.
225. Secukinumab shows efficacy regardless of baseline disease severity in subjects with moderate-to-severe plaque psoriasis: a pooled analysis from four phase 3 studies

- (poster). European Academy of Dermatology and Venereology annual meeting. Amsterdam, Netherlands. October 2014.
226. Secukinumab decreases inflammation as measured by a biomarker hsCRP in subjects with moderate-to-severe plaque psoriasis and concomitant psoriatic arthritis: subanalyses from two phase 3 studies (poster). European Academy of Dermatology and Venereology annual meeting. Amsterdam, Netherlands. October 2014.
227. Effect of ixekizumab treatment on plaque characteristics and psoriasis in different body regions: results from a phase 2 randomized placebo controlled trial (poster). European Academy of Dermatology and Venereology annual meeting. Amsterdam, Netherlands. October 2014.
228. Efficacy and safety of dupilumab in adults with moderate-to-severe atopic dermatitis inadequately controlled by topical therapy: a phase 2b study (poster). European Academy of Dermatology and Venereology annual meeting. Amsterdam, Netherlands. October 2014.
229. Candidiasis in secukinumab-treated subjects: a pooled analysis of data from 10 clinical trials in moderate-to-severe plaque psoriasis (poster). Fall Clinical Dermatology Conference. Las Vegas, NV. October 2014.
230. Secukinumab is efficacious in subjects with moderate-to-severe plaque psoriasis and concomitant psoriatic arthritis: a subanalysis of the ERASURE study (poster). Fall Clinical Dermatology Conference. Las Vegas, NV. October 2014.
231. Relevance of ixekizumab for complete resolution and patient impact (invited speaker). Psoriasis Summit, Eli Lilly and Company. Indianapolis, IN. October 2014.
232. Update on current and future biologics for psoriasis (invited speaker). Skin Disease Education Foundation 15<sup>th</sup> Annual Las Vegas Dermatology Seminar. Las Vegas, NV. October 2014.
233. Non-serious and transient candidiasis in secukinumab-treated subjects: a pooled analysis of data from 10 clinical trials in moderate-to-severe plaque psoriasis (poster). Skin Disease Education Foundation 15<sup>th</sup> Annual Las Vegas Dermatology Seminar. Las Vegas, NV. October 2014.
234. Secukinumab efficacy and safety using pre-filled syringes in subjects with moderate-to-severe plaque psoriasis: results from the FEATURE phase 3 study (poster). Society of Dermatology Physician Assistants Fall Dermatology Conference. San Diego, CA. November 2014.
235. Biosimilars update (invited speaker). International Psoriasis Council Think Tank. London, England. December 2014.
236. Secukinumab, a novel anti-IL-17A antibody, exhibits low immunogenicity during long-term treatment in subjects with psoriasis (poster). Psoriasis from Gene to Clinic 7th International Congress. London, United Kingdom. December 2014.
237. AMAGINE-1: a phase 3, randomized, double-blind, placebo-controlled study of brodalumab in subjects with psoriasis (poster). Psoriasis from Gene to Clinic 7th International Congress. London, United Kingdom. December 2014.
238. Secukinumab administration by pre-filled syringe maintains reduction in severity of plaque psoriasis over 52 weeks: results of the FEATURE trial (poster). Psoriasis from Gene to Clinic 7th International Congress. London, United Kingdom. December 2014.

239. Highly sensitive and drug tolerant immunogenicity screening assay for ixekizumab, an anti-IL-17A antibody, using an affinity capture elution approach (poster). Psoriasis from Gene to Clinic 7th International Congress. London, United Kingdom. December 2014.
240. Evaluation of infections with secukinumab in a pooled analysis of 10 clinical studies of moderate-to-severe plaque psoriasis (poster). Maui Derm 2015: Advances in Cosmetic & Medical Dermatology. Wailea, HI. January 2015.
241. Secukinumab decreases inflammation as measured by biomarker hsCRP in subjects with moderate-to-severe plaque psoriasis and concomitant psoriatic arthritis: subanalyses from two phase 3 studies (poster). Maui Derm 2015: Advances in Cosmetic & Medical Dermatology. Wailea, HI. January 2015.
242. Dupilumab improves patient-reported outcomes (PROs) in a phase 2 study in adults with moderate-to-severe atopic dermatitis (poster). American Academy of Allergy, Asthma & Immunology annual meeting. Houston, TX. February 2015.
243. Understanding the cellular and molecular dimension of psoriasis: implications for management with biologic therapies (invited speaker). 39th Annual Hawaii Dermatology Seminar. Koloa, HI. March 2015.
244. Secukinumab treatment maintains efficacy in moderate to severe plaque psoriasis through second year of treatment: a randomized extension of the ERASURE and FIXTURE studies (invited speaker). American Academy of Dermatology annual meeting. San Francisco, CA. March 2015.
245. Ixekizumab for treatment of moderate-to-severe plaque psoriasis: 12- and 60-week results from UNCOVER-1 (poster). American Academy of Dermatology annual meeting. San Francisco, CA. March 2015.
246. Secukinumab is superior to ustekinumab in clearing skin of subjects with moderate to severe plaque psoriasis: 16-week results from the CLEAR study (poster). American Academy of Dermatology annual meeting. San Francisco, CA. March 2015.
247. Efficacy and safety of dupilumab in adults with moderate-to-severe atopic dermatitis (AD) inadequately controlled by topical therapies: final results of a phase 2b study (poster). American Academy of Dermatology annual meeting. San Francisco, CA. March 2015.
248. Communicating the burden of psoriasis to patients (invited speaker). American Academy of Dermatology annual meeting. San Francisco, CA. March 2015.
249. Biologics as immunomodulators (invited speaker). American Academy of Dermatology annual meeting. San Francisco, CA. March 2015.
250. Patient-centered approach to psoriasis care (invited speaker). American Academy of Dermatology annual meeting. San Francisco, CA. March 2015.
251. Innovators and biosimilars: the scientific basis for their approval (invited speaker). American Academy of Dermatology annual meeting. San Francisco, CA. March 2015.
252. Similar drug but different patients: possibilities for extrapolation to dermatology (invited speaker). American Academy of Dermatology annual meeting. San Francisco, CA. March 2015.
253. Off-label biologics for psoriasis variants, pityriasis rubra pilaris, and atopic dermatitis (invited speaker). American Academy of Dermatology annual meeting. San Francisco, CA. March 2015.

254. Secukinumab long-term self-administration by prefilled syringe or autoinjector/pen is highly acceptable to subjects with moderate to severe plaque psoriasis (poster). American Academy of Dermatology annual meeting. San Francisco, CA. March 2015.
255. Secukinumab, a novel anti-IL-17A antibody, exhibits low immunogenicity in clinical trials and human *in vitro* assays (poster). American Academy of Dermatology annual meeting. San Francisco, CA. March 2015.
256. Secukinumab demonstrates sustained efficacy in moderate to severe plaque psoriasis across disease severity subgroups (poster). American Academy of Dermatology annual meeting. San Francisco, CA. March 2015.
257. Secukinumab treatment shows no evidence for reactivation of previous or latent TB infection in subjects with psoriasis: a pooled phase 3 safety analysis (poster). American Academy of Dermatology annual meeting. San Francisco, CA. March 2015.
258. Efficacy and safety of brodalumab in patients with moderate to severe plaque psoriasis: results of AMAGINE-1, a phase 3, randomized, double-blind, placebo-controlled study through week 12 (poster). American Academy of Dermatology annual meeting. San Francisco, CA. March 2015.
259. Biosimilar update: relevance for dermatology clinical practice (invited speaker). PSOfuture: New Directions from the Eternal City. Rome, Italy. April 2015.
260. Secukinumab is superior to ustekinumab in clearing skin of subjects with moderate to severe plaque psoriasis: 16-week results from the CLEAR study (poster). SDPA Annual Summer Dermatology Conference 2015. Las Vegas, NV. June 2015.
261. Secukinumab long-term self-administration by prefilled syringe or autoinjector/pen is highly acceptable to subjects with moderate to severe plaque psoriasis (poster). SDPA Annual Summer Dermatology Conference 2015. Las Vegas, NV. June 2015.
262. Secukinumab is superior to ustekinumab in clearing the skin and improving the QOL of subjects with moderate to severe plaque psoriasis: 16-week results from the CLEAR study (poster). 23<sup>rd</sup> World Congress of Dermatology. Vancouver, Canada. June 2015.
263. Secukinumab, a novel anti-IL-17A antibody, exhibits low immunogenicity in phase 3 clinical trials: treatment-emergent anti-drug antibodies and subject level clinical correlation (poster). 23<sup>rd</sup> World Congress of Dermatology. Vancouver, Canada. June 2015.
264. Efficacy and safety of dupilumab for moderate-to-severe atopic dermatitis in adults: a pooled analysis of two phase 2 randomized clinical trials (poster). 23<sup>rd</sup> World Congress of Dermatology. Vancouver, Canada. June 2015.
265. AMAGINE-1: a phase 3, randomized, double-blind, placebo-controlled study of brodalumab in subjects with psoriasis (poster). 23<sup>rd</sup> World Congress of Dermatology. Vancouver, Canada. June 2015.
266. Maintenance of efficacy among patients who achieve sPGA (0,1): 60-week results from UNCOVER-1, a phase 3 trial of ixekizumab for moderate-to-severe plaque psoriasis (poster). 23<sup>rd</sup> World Congress of Dermatology. Vancouver, Canada. June 2015.
267. Complete resolution of psoriasis is associated with greater improvements in itch and health-related quality of life: an analysis from UNCOVER-2, a phase 3 clinical trial of ixekizumab (poster). 23<sup>rd</sup> World Congress of Dermatology. Vancouver, Canada. June 2015.

268. Ixekizumab for treatment of moderate-to-severe plaque psoriasis: 12-week results from a phase 3 study (UNCOVER-1) (poster). 23<sup>rd</sup> World Congress of Dermatology. Vancouver, Canada. June 2015.
269. Secukinumab, a novel anti-IL-17A antibody, exhibits low immunogenicity in clinical trials and human *in vitro* assays (poster). Maui Derm NP+PA 2015: Advances & Approaches for the Dermatologic Practitioner. Colorado Springs, CO. June 2015.
270. Efficacy and safety of brodalumab in patients with moderate to severe plaque psoriasis: results of AMAGINE-1, a phase 3, randomized, double-blind, placebo-controlled study through week 12 (poster). 4<sup>th</sup> World Psoriasis & Psoriatic Arthritis Conference. Stockholm, Sweden. July 2015.
271. Secukinumab, a novel anti-IL-17A antibody, exhibits low immunogenicity during long-term treatment in subjects with psoriasis (poster). 4<sup>th</sup> World Psoriasis & Psoriatic Arthritis Conference. Stockholm, Sweden. July 2015.
272. Efficacy and safety of brodalumab in patients with moderate to severe plaque psoriasis: results of AMAGINE-1, a phase 3, randomized, double-blind, placebo-controlled study (poster). 45<sup>th</sup> Annual European Society for Dermatological Research Meeting. Rotterdam, Netherlands. September 2015.
273. Sensitivity and drug tolerance of anti-drug antibody screening assays for ixekizumab (poster). 45<sup>th</sup> Annual European Society for Dermatological Research Meeting. Rotterdam, Netherlands. September 2015.
274. Analysis of neutropenia with ixekizumab in 7 clinical studies of psoriasis (poster). 45<sup>th</sup> Annual European Society for Dermatological Research Meeting. Rotterdam, Netherlands. September 2015.
275. Complete resolution of psoriasis is associated with greater improvements in itch and health-related quality of life: an analysis from UNCOVER-1, a phase 3 clinical trial of ixekizumab (poster). European Academy of Dermatology and Venereology annual meeting. Copenhagen, Denmark. October 2015.
276. Safety and tolerability of ixekizumab: analysis of neutropenia in 7 clinical studies of moderate-to-severe plaque psoriasis (poster). European Academy of Dermatology and Venereology annual meeting. Copenhagen, Denmark. October 2015.
277. Differences in Dermatology Life Quality Index (DLQI) and Psoriasis Symptom Inventory (PSI) scores among patients with complete (PASI 100) and almost complete (PASI 90 to <100, PASI 75 to <90) skin clearance (poster). European Academy of Dermatology and Venereology annual meeting. Copenhagen, Denmark. October 2015.
278. More symptom free days, less residual disease and lower quality of life impairment in patients with moderate to severe plaque psoriasis who achieve sPGA 0 vs 1 (poster). European Academy of Dermatology and Venereology annual meeting. Copenhagen, Denmark. October 2015.
279. Improvement in depression and anxiety with brodalumab therapy in AMAGINE-1, a phase 3 study for moderate to severe plaque psoriasis (poster). European Academy of Dermatology and Venereology annual meeting. Copenhagen, Denmark. October 2015.
280. Changes in C-reactive protein levels following brodalumab treatment in three phase 3, randomized, placebo-controlled studies for moderate to severe plaque psoriasis (poster). European Academy of Dermatology and Venereology annual meeting. Copenhagen, Denmark. October 2015.



281. Secukinumab administration by pre-filled syringe maintains efficacy in moderate to severe plaque psoriasis over two years (100 weeks): results of the FEATURE trial (poster). European Academy of Dermatology and Venereology annual meeting. Copenhagen, Denmark. October 2015.
282. Secukinumab exhibits low immunogenicity during 104 weeks of treatment in subjects with moderate to severe plaque psoriasis (poster). European Academy of Dermatology and Venereology annual meeting. Copenhagen, Denmark. October 2015.
283. Secukinumab withdrawal leads to loss of treatment responses in a majority of subjects with plaque psoriasis with re-treatment resulting in rapid regain of responses: a pooled analysis of two phase 3 trials (poster). European Academy of Dermatology and Venereology annual meeting. Copenhagen, Denmark. October 2015.
284. Secukinumab delivers greater improvement in health-related quality of life compared to ustekinumab in subjects with moderate to severe plaque psoriasis: 16-week data from the CLEAR study (poster). European Academy of Dermatology and Venereology annual meeting. Copenhagen, Denmark. October 2015.
285. What can we expect by blocking different targets in immunopathogenetic pathways in psoriasis? Slovenian National Dermatovenereology Congress. Maribor, Slovenia. November 2015.
286. Secukinumab improves skin symptoms and physical functioning compared with ustekinumab in patients with moderate to severe psoriasis with concomitant psoriatic arthritis: sub analysis of a randomized, double blind, parallel-group, active comparator-controlled phase 3b trial (poster). American College of Rheumatology annual meeting. San Francisco, CA. November 2015.
287. Efficacy and safety of dupilumab for moderate-to-severe atopic dermatitis in adults: a pooled analysis of two phase 2 randomized clinical trials (poster). Society for Dermatology Physician Assistants annual meeting. Orlando, FL. November 2015.
288. Efficacy and safety of dupilumab for moderate-to-severe atopic dermatitis in adults: a pooled analysis of two phase 2 randomized clinical trials (poster). Winter Clinical Dermatology Conference. Koloa, HI. January 2016.
289. Important psoriasis papers published in 2015 (invited speaker). Maui Derm 2016. Wailea, HI. January 2016.
290. Biosimilars: pre-clinical development (invited speaker). Maui Derm 2016. Wailea, HI. January 2016.
291. Efficacy and safety of dupilumab for moderate-to-severe atopic dermatitis in adults: a pooled analysis of two phase 2 randomized clinical trials (poster). Maui Derm 2016. Wailea, HI. January 2016.
292. From pathogenesis to new biologic therapies: an emerging approach to treatment of psoriasis and its comorbidities to improve patient outcomes and quality of life (invited speaker). 40th Annual Hawaii Dermatology Seminar. Waikoloa, HI. February 2016.
293. Maintenance of efficacy results from UNCOVER-1: a phase 3 trial of ixekizumab for moderate-to-severe plaque psoriasis (poster). 40th Annual Hawaii Dermatology Seminar. Waikoloa, HI. February 2016.
294. Secukinumab administration by pre-filled syringe maintains efficacy in moderate-to-severe plaque psoriasis over 100 weeks: results of the FEATURE trial (poster). 40th Annual Hawaii Dermatology Seminar. Waikoloa, HI. February 2016.

295. Secukinumab delivers greater improvement in health-related quality of life compared to ustekinumab in subjects with moderate-to-severe plaque psoriasis: 16-week data from the CLEAR study (poster). 40th Annual Hawaii Dermatology Seminar. Waikoloa, HI. February 2016.
296. Secukinumab re-treatment shows rapid regain or treatment responses: a pooled analysis of two phase 3 trials in psoriasis (poster). 40th Annual Hawaii Dermatology Seminar. Waikoloa, HI. February 2016.
297. Efficacy and safety of dupilumab for moderate-to-severe atopic dermatitis: a pooled analysis of two phase 2 clinical trials (poster). South Beach Symposium. Miami Beach, FL. February 2016.
298. Secukinumab demonstrates sustained superior efficacy vs. ustekinumab in clearing skin of subjects with moderate to severe plaque psoriasis: 52-week results from the CLEAR study (invited speaker). Annual Novartis MSL Meeting. Washington, DC. March 2016.
299. Cosentyx for psoriasis: where does it currently stand in the marketplace (invited speaker). Annual Novartis MSL Meeting. Washington, DC. March 2016.
300. Biosimilars: pre-clinical development (invited speaker). American Academy of Dermatology annual meeting. Washington, DC. March 2016.
301. Targeting the IL-23/Th17 pathway in psoriasis (invited speaker). American Academy of Dermatology annual meeting. Washington, DC. March 2016.
302. Biologics for atopic dermatitis: a new era begins (invited speaker). American Academy of Dermatology annual meeting. Washington, DC. March 2016.
303. Efficacy and safety of continuous ixekizumab treatment for 60 weeks in moderate-to-severe plaque psoriasis: results from the UNCOVER-3 trial (invited speaker). American Academy of Dermatology annual meeting. Washington, DC. March 2016.
304. Biosimilars update (invited speaker). American Academy of Dermatology annual meeting. Washington, DC. March 2016.
305. Ixekizumab, a novel anti-IL-17A antibody, exhibits low immunogenicity during long-term treatment in patients with psoriasis (invited speaker). American Academy of Dermatology annual meeting. Washington, DC. March 2016.
306. Safety profile of patients achieving complete or near complete resolution of moderate-to-severe psoriasis after 12 weeks of etanercept or ixekizumab: integrated analyses from UNCOVER-2 and UNCOVER-3 (invited speaker). American Academy of Dermatology annual meeting. Washington, DC. March 2016.
307. Secukinumab exhibits a favorable safety profile during 104 weeks of treatment in subjects with moderate to severe plaque psoriasis (invited speaker). American Academy of Dermatology annual meeting. Washington, DC. March 2016.
308. Secukinumab maintains reductions in PASI through second year of treatment: a randomized extension of the ERASURE and FIXTURE studies in plaque psoriasis (invited speaker). American Academy of Dermatology annual meeting. Washington, DC. March 2016.
309. Secukinumab administration by prefilled syringe maintains efficacy in moderate to severe plaque psoriasis over 100 weeks: results of the FEATURE trial (invited speaker). American Academy of Dermatology annual meeting. Washington, DC. March 2016.
310. Efficacy and safety of dupilumab for moderate-to-severe atopic dermatitis in adults: a pooled analysis of two phase 2 randomized clinical trials (poster). American Academy of Dermatology annual meeting. Washington, DC. March 2016.

311. Complete or near complete resolution of psoriasis is associated with greater improvements in health related quality of life, itching, and skin pain: an integrated analysis of UNCOVER-2 and UNCOVER-3 (poster). American Academy of Dermatology annual meeting. Washington, DC. March 2016.
312. Ixekizumab shows efficacy and safety in patients who failed bi-weekly etanercept therapy: analysis from UNCOVER-2, a phase 3 randomized clinical trial in psoriasis (poster). American Academy of Dermatology annual meeting. Washington, DC. March 2016.
313. Efficacy and safety of ixekizumab in psoriasis patients who failed to reach PASI 75 on etanercept: subanalysis of UNCOVER-3 (poster). American Academy of Dermatology annual meeting. Washington, DC. March 2016.
314. Efficacy and safety of ixekizumab over four years of open-label treatment in a phase 2 study in chronic plaque psoriasis (poster). American Academy of Dermatology annual meeting. Washington, DC. March 2016.
315. Efficacy of ixekizumab therapy: integrated analysis of 3 double-blind, controlled trials (UNCOVER-1, UNCOVER-2, UNCOVER-3) (poster). American Academy of Dermatology annual meeting. Washington, DC. March 2016.
316. Secukinumab demonstrates sustained superior efficacy vs. ustekinumab in clearing skin of subjects with moderate to severe plaque psoriasis: 52-week results from the CLEAR study (poster). American Academy of Dermatology annual meeting. Washington, DC. March 2016.
317. Secukinumab-treated subjects experience low rates of *Candida* and recurrent *Candida* infections: a pooled analysis from 10 phase 2 and 3 clinical studies in psoriasis (poster). American Academy of Dermatology annual meeting. Washington, DC. March 2016.
318. Comparison of a selective IL-23p19 inhibitor (BI 655066) with ustekinumab in patients with moderate-to-severe plaque psoriasis: Analysis of scalp, palmoplantar, and nail psoriasis subgroups (poster). American Academy of Dermatology annual meeting. Washington, DC. March 2016.
319. Selective blockade of IL-23p19 with BI 655066 is associated with significant improvement in QoL outcomes compared with ustekinumab in patients with moderate-to-severe plaque psoriasis
320. Selective blockade of IL-23p19 with BI 655066 is associated with clinical responses superior to ustekinumab in patients with moderate-to-severe plaque psoriasis: Results from a 48-week Phase II study (poster). American Academy of Dermatology annual meeting. Washington, DC. March 2016.
321. Certolizumab pegol for the treatment of patients with moderate-to-severe chronic plaque psoriasis: an overview of 3 randomized controlled trials (poster). American Academy of Dermatology annual meeting. Washington, DC. March 2016.
322. Introducing a new IL-17A inhibitor for the treatment of adult patients with moderate to severe plaque psoriasis. Noah Worcester Dermatological Society 58<sup>th</sup> Annual Meeting. Marana, AZ. April 2016.
323. Targeting IL-17A in psoriasis confers high degrees of both efficacy and safety. Noah Worcester Dermatological Society 58<sup>th</sup> Annual Meeting. Marana, AZ. April 2016.
324. Science & immunology of psoriasis and associated co-morbidities. A+MD Annual Meeting. Coeur d'Alene, ID. May 2016.

325. Introducing a new IL-17A inhibitor for the treatment of adult patients with moderate to severe plaque psoriasis. A+MD Annual Meeting. Coeur d'Alene, ID. May 2016.
326. Management of moderate-to-severe psoriasis. A+MD Annual Meeting. Coeur d'Alene, ID. May 2016.
327. Atopic dermatitis – topicals and biologics – what's new. A+MD Annual Meeting. Coeur d'Alene, ID. May 2016.
328. Introducing a new IL-17A inhibitor for the treatment of adult patients with moderate to severe plaque psoriasis. Taltz National Faculty Training Meeting. Dallas, TX. June 2016.
329. Cutaneous immunology: boot camp basics (invited speaker). Maui Derm NP+PA 2016: Advances & Approaches for the Dermatologic Practitioner. Colorado Springs, CO. June 2016.
330. Treating psoriasis for high levels of clearance (invited speaker). Maui Derm NP+PA 2016: Advances & Approaches for the Dermatologic Practitioner. Colorado Springs, CO. June 2016.
331. Secukinumab treatment provides more effective relief from patient-reported psoriasis-related pain, itching, and scaling than ustekinumab (poster). Maui Derm NP+PA 2016: Advances & Approaches for the Dermatologic Practitioner. Colorado Springs, CO. June 2016.
332. Secukinumab demonstrates sustained superior efficacy vs. ustekinumab in clearing skin of subjects with moderate to severe plaque psoriasis: 52-week results from the CLEAR study (poster). Maui Derm NP+PA 2016: Advances & Approaches for the Dermatologic Practitioner. Colorado Springs, CO. June 2016.
333. Secukinumab exhibits a favorable safety profile during 104 weeks of treatment in subjects with moderate to severe plaque psoriasis (poster). Maui Derm NP+PA 2016: Advances & Approaches for the Dermatologic Practitioner. Colorado Springs, CO. June 2016.
334. Secukinumab treatment provides faster and more effective relief from patient-reported quality of life impact than ustekinumab in subjects with moderate to severe plaque psoriasis (poster). Maui Derm NP+PA 2016: Advances & Approaches for the Dermatologic Practitioner. Colorado Springs, CO. June 2016.
335. Efficacy and safety of dupilumab for moderate-to-severe atopic dermatitis in adults: a pooled analysis of two phase 2 clinical trials (poster). Maui Derm NP+PA 2016: Advances & Approaches for the Dermatologic Practitioner. Colorado Springs, CO. June 2016.
336. Sustained improvements in skin symptoms, physical functioning and quality of life with secukinumab versus ustekinumab in patients with moderate-to-severe psoriasis and concomitant psoriatic arthritis: 52 weeks results from the CLEAR study (poster). Annual European Congress of Rheumatology. London, England. June 2016.
337. Efficacy and safety of ixekizumab over four years of open-label treatment in a phase 2 study in chronic plaque psoriasis (poster). Psoriasis 2016. Paris, France. July 2016.
338. Efficacy and safety of ixekizumab in psoriasis patients who failed to reach PASI 75 on etanercept: subanalysis of UNCOVER-3 (poster). Psoriasis 2016. Paris, France. July 2016.

339. Time course of ixekizumab drug levels and the relationship at week 60 to efficacy in patients with moderate-to-severe plaque psoriasis (UNCOVER-3) (poster). Psoriasis 2016. Paris, France. July 2016.
340. Secukinumab exhibits low immunogenicity during 3 years of treatment in subjects with moderate to severe plaque psoriasis (poster). Psoriasis 2016. Paris, France. July 2016.
341. Secukinumab skin clearance is associated with greater improvements in patient-reported pain, itching, and scaling (poster). American Academy of Dermatology annual summer meeting. Boston, MA. July 2016.
342. Secukinumab skin clearance is associated with greater improvements in skin-related quality of life (poster). American Academy of Dermatology annual summer meeting. Boston, MA. July 2016.
343. Ixekizumab, a novel anti-interleukin-17A antibody, exhibits low immunogenicity during long-term treatment in patients with psoriasis (poster). European Society for Dermatological Research annual meeting. Munich, Germany. September 2016.
344. Efficacy of ixekizumab therapy: integrated analysis of 3 double-blind, controlled trials UNCOVER-1, UNCOVER-2, UNCOVER-3 (poster). European Society for Dermatological Research annual meeting. Munich, Germany. September 2016.
345. IL-23 biology and its role in psoriasis pathogenesis (invited speaker). Janssen Psoriasis Advisory Council. Philadelphia, PA. September 2016.
346. Ixekizumab treatment enables rapid improvements in Health-related quality of life and itch: results from UNCOVER-2 and UNCOVER-3 (invited speaker). European Academy of Dermatology and Venereology annual meeting. Vienna, Austria. September 2016.
347. IL-23 biology and its role in psoriasis pathogenesis (invited speaker). European Academy of Dermatology and Venereology annual meeting. Vienna, Austria. September 2016.
348. Efficacy and safety of ixekizumab in patients previously treated with etanercept (poster). European Academy of Dermatology and Venereology annual meeting. Vienna, Austria. September 2016.
349. Secukinumab provides greater 52-week sustained relief from dermatology-related quality of life impact on clothing choice and sexual function than ustekinumab (poster). European Academy of Dermatology and Venereology annual meeting. Vienna, Austria. September 2016.
350. A “patient-tailored” maintenance dosing study for ustekinumab in moderate-to-severe plaque psoriasis (poster). European Academy of Dermatology and Venereology annual meeting. Vienna, Austria. September 2016.
351. Efficacy and safety of guselkumab, an anti-interleukin-23 monoclonal antibody, compared with adalimumab for the continuous treatment of moderate to severe psoriasis in the phase 3 VOYAGE 1 trial (invited speaker). European Academy of Dermatology and Venereology annual meeting. Vienna, Austria. October 2016.
352. The THRIVE initiative: targeting psoriasis pathology with new biologics to improve patients’ outcomes and quality of life (invited speaker). Los Angeles, CA. October 2016.

353. Targeting psoriasis pathology with new biologics to improve patients' outcomes and quality of life (invited speaker). SDEF Women's and Pediatric Dermatology Meeting. Newport Beach, CA. October 2016.
354. EADV 2016: review of efficacy of new biologics (invited speaker). Chicago, IL. October 2016.
355. Secukinumab maintains reductions in PASI through second year of treatment: a randomized extension of the ERASURE and FIXTURE studies in plaque psoriasis (poster). Fall Clinical Dermatology Conference. Las Vegas, NV. October 2016.
356. Secukinumab retreatment shows rapid Regain of treatment responses: a pooled analysis of two phase 3 trials in psoriasis (poster). Fall Clinical Dermatology Conference. Las Vegas, NV. October 2016.
357. Secukinumab exhibits a favorable safety profile during 104 weeks of treatment in subjects with moderate to severe plaque psoriasis (poster). Fall Clinical Dermatology Conference. Las Vegas, NV. October 2016.
358. Secukinumab-treated subjects experience low rates of *Candida* and recurrent *Candida* infections: a pooled analysis from 10 phase 2 and 3 clinical studies in psoriasis (poster). Fall Clinical Dermatology Conference. Las Vegas, NV. October 2016.
359. Efficacy and safety of guselkumab, an anti-interleukin-23 monoclonal antibody, compared with adalimumab for the continuous treatment of moderate-to-severe psoriasis in the phase 3 VOYAGE 1 trial (poster). Fall Clinical Dermatology Conference. Las Vegas, NV. October 2016.
360. Selective IL-23 blockers (invited speaker). Sun Pharma Advisory Board. Philadelphia, PA. October 2016.
361. Conducting industry-sponsored studies and clinical trials (invited speaker). Pediatric Dermatology Research Alliance annual conference. Irving, TX. November 2016.
362. Secukinumab retreatment shows rapid regain of treatment responses: a pooled analysis of two phase 3 trials in psoriasis (poster). Society of Dermatology Physician Assistants Meeting Fall 2016. Las Vegas, NV. November 2016.
363. Dupilumab in moderate-to-severe atopic dermatitis: results from two randomized phase 3 trials (SOLO 1 & 2) (poster). Society of Dermatology Physician Assistants Meeting Fall 2016. Las Vegas, NV. November 2016.
364. Efficacy and safety of guselkumab, an anti-interleukin-23 monoclonal antibody, compared with adalimumab for the continuous treatment of moderate-to-severe psoriasis in the phase 3 VOYAGE 1 trial (poster). 17th Annual Las Vegas Dermatology Seminar & the 13th Annual SDEF Psoriasis Forum. Las Vegas, NV. November 2016.
365. IL-17A biology and its role in psoriasis pathogenesis (invited speaker). *Terapeutica Biologica/Immunologica en Dermatologia*. Barcelona, Spain. November 2016.
366. Challenges for doctors and patients in the treatment of psoriasis (invited speaker). UCB Conference. Brussels, Belgium. December 2016.
367. Secukinumab 300 mg is more efficacious than ustekinumab 90 mg at week 16: analysis of the CLEAR study (poster). Winter Clinical Dermatology Conference. Kohala Coast, HI. January 2017.
368. Dupilumab in moderate-to-severe atopic dermatitis: results from two randomized phase 3 trials (SOLO 1 & 2). Winter Clinical Dermatology Conference. Kohala Coast, HI. January 2017.

369. Comparative efficacy of two dosages of brodalumab in psoriasis patients in different weight subgroups (poster). 41st Annual Hawaii Dermatology Seminar. Wailea, HI. January 2017.
370. Dupilumab in moderate-to-severe atopic dermatitis: results from two randomized phase 3 trials (SOLO 1 & 2) (poster). 41st Annual Hawaii Dermatology Seminar. Wailea, HI. January 2017.
371. Targeting psoriasis pathology with new biologics to improve patients' outcomes and quality of life (invited speaker). 41st Annual Hawaii Dermatology Seminar. Wailea, HI. January 2017.
372. Insights into the Taltz label. Taltz National Speaker's Training. Phoenix, AZ. February 2017.
373. PSTELLAR: review of study results. PSTELLAR Investigators Meeting. Portland, OR. February 2017.
374. Clinical insights on Taltz (invited speaker). American Academy of Dermatology annual meeting. Orlando, FL. March 2017.
375. Treatment of atopic dermatitis in 2017 (invited speaker). American Academy of Dermatology annual meeting. Orlando, FL. March 2017.
376. Emerging atopic dermatitis pipeline (invited speaker). American Academy of Dermatology annual meeting. Orlando, FL. March 2017.
377. Long-term management of moderate-to-severe atopic dermatitis with dupilumab and concomitant topical corticosteroids: a 1-year, randomized, placebo-controlled phase 3 trial (CHRONOS) (invited speaker). American Academy of Dermatology annual meeting. Orlando, FL. March 2017.
378. Emerging biologics for atopic dermatitis (invited speaker). American Academy of Dermatology annual meeting. Orlando, FL. March 2017.
379. Efficacy of guselkumab within specific body regions in patients with moderate-to-severe plaque psoriasis: results from the phase 3 VOYAGE 1 study (invited speaker). American Academy of Dermatology annual meeting. Orlando, FL. March 2017.
380. Efficacy and safety of ixekizumab for the treatment of moderate-to-severe plaque psoriasis: results through 108 weeks of a randomized, phase III clinical trial (UNCOVER-3) (invited speaker). American Academy of Dermatology annual meeting. Orlando, FL. March 2017.
381. Clearing of psoriasis within different body regions following 12 weeks of treatment with ixekizumab (invited speaker). American Academy of Dermatology annual meeting. Orlando, FL. March 2017.
382. Median time to treatment response in patients with moderate-to-severe plaque psoriasis treated with brodalumab 210 mg or ustekinumab: a pooled analysis of data from two phase 3 randomized clinical trials (AMAGINE-2 and AMAGINE-3) (invited speaker). American Academy of Dermatology annual meeting. Orlando, FL. March 2017.
383. Patient-reported symptoms and signs in patients with moderate-to-severe plaque psoriasis treated with guselkumab or adalimumab: results from VOYAGE 1, a phase III clinical trial (invited speaker). American Academy of Dermatology annual meeting. Orlando, FL. March 2017.
384. IL-23 biology and its role in psoriasis pathogenesis (invited speaker). American Academy of Dermatology annual meeting. Orlando, FL. March 2017.
385. Biosimilars: pre-clinical development (invited speaker). American Academy of Dermatology annual meeting. Orlando, FL. March 2017.

386. A randomized, double-blind, multicenter study to compare the efficacy, safety, and immunogenicity of a proposed adalimumab biosimilar (GP2017) with originator adalimumab in patients with moderate-to-severe chronic plaque psoriasis (invited speaker). American Academy of Dermatology annual meeting. Orlando, FL. March 2017.
387. Biosimilars update (invited speaker). American Academy of Dermatology annual meeting. Orlando, FL. March 2017.
388. Secukinumab retreatment shows rapid recapture of treatment response: an analysis of a phase 3 extension trial in psoriasis (poster). American Academy of Dermatology annual meeting. Orlando, FL. March 2017.
389. Correlation between PASI response and improvement in health-related quality of life over time: results from a phase III clinical trial VOYAGE 1 (poster). American Academy of Dermatology annual meeting. Orlando, FL. March 2017.
390. Consistency of response across subgroups of patients with psoriasis treated with guselkumab: results from the VOYAGE 1 and 2 trials (poster). American Academy of Dermatology annual meeting. Orlando, FL. March 2017.
391. Certolizumab pegol treatment for chronic plaque psoriasis: 16-week primary results from two phase 3, multicenter, randomized, placebo-controlled studies. American Academy of Dermatology annual meeting. Orlando, FL. March 2017.
392. Emerging biologics for atopic dermatitis (invited speaker). Maui Derm 2017. Wailea, HI. March 2017.
393. Management of moderate-to-severe atopic dermatitis (AD) with dupilumab and concomitant topical corticosteroids (TCS): a 1-year, randomized, placebo-controlled phase 3 trial (CHRONOS) (poster). Maui Derm 2017. Wailea, HI. March 2017.
394. Secukinumab 300 mg is more efficacious than ustekinumab 90 mg: analysis of the CLEAR study (poster). Maui Derm 2017. Wailea, HI. March 2017.
395. Efficacy of guselkumab within specific body regions in patients with moderate-to-severe plaque psoriasis: results from the phase 3 VOYAGE 1 study (poster). Maui Derm 2017. Wailea, HI. March 2017.
396. Patient-reported symptoms and signs in patients with moderate-to-severe plaque psoriasis treated with guselkumab or adalimumab: results from VOYAGE 1, a phase III clinical trial (poster). Maui Derm 2017. Wailea, HI. March 2017.
397. Correlation between PASI response and improvement in health-related quality of life over time: results from a phase III clinical trial VOYAGE 1 (poster). Maui Derm 2017. Wailea, HI. March 2017.
398. Consistency of response across subgroups of patients with psoriasis treated with guselkumab: results from the VOYAGE 1 and 2 trials (poster). Maui Derm 2017. Wailea, HI. March 2017.



Local/Regional/State Presentations (all as invited speaker):

1. Is Kaposi's sarcoma caused by an infectious agent? Miami Dermatologic Society. Miami, FL. March 1996.
2. The role of Langerhans cells in the immunopathogenesis of HIV disease. New York University Department of Dermatology. New York, NY. November 1996.
3. The role of human herpesvirus 8 in the pathogenesis of Kaposi's sarcoma. Walter Reed Medical Center Grand Rounds. Washington, DC. January 1997.
4. The role of human herpesvirus 8 in the pathogenesis of Kaposi's sarcoma. Washington DC Dermatological Society. Bethesda, MD. January 1997.
5. Medical update: HIV/AIDS and the skin. Timothy White Memorial Lecture Series. Whitman-Walker Clinic. Washington, DC. April 1998.
6. Langerhans cells as initial targets for HIV following sexual exposure to virus. NIH Clinical Center Medical Grand Rounds. Bethesda, MD. September 1998.
7. The role of human herpesvirus 8 in the pathogenesis of Kaposi's sarcoma. Center for AIDS Research Grand Rounds. University of Alabama at Birmingham. Birmingham, AL. October 1998.
8. Langerhans cells as initial targets for HIV following sexual exposure to virus. Infectious Disease Grand Rounds. University of Alabama at Birmingham. Birmingham, AL. October 1998.
9. Langerhans cells as initial targets for HIV following sexual exposure to virus. Dermatology Grand Rounds. Northwestern University. Chicago, IL. November 1998.
10. Langerhans cells as initial targets for HIV following sexual exposure to virus. Washington DC Dermatological Society. Bethesda, MD. January 1999.
11. Modeling of early biologic events involved in primary HIV infection. Seminar Series. HIV/AIDS Malignancy Branch, NCI. Bethesda, MD. March 1999.
12. Langerhans cells as initial targets for infection during transmission of HIV. Immunology/Cell Biology Seminar. FCRDC, NCI. Frederick, MD. June 1999.
13. General dermatology issues in the black patient: issues related to dermatology & HIV. Bristol-Myers Squibb Distinguished Faculty Series in HIV. Marion, NC. October 1999.
14. General dermatology issues in the black patient: issues related to dermatology & HIV. Bristol-Myers Squibb Distinguished Faculty Series in HIV. Raleigh, NC. October 1999.
15. The role of dendritic cells in preferential sexual transmission of R5 (macrophage-tropic) HIV. Division of Viral Products Seminar. FDA. Bethesda, MD. October 1999.
16. Langerhans cells as initial targets for HIV following sexual exposure to virus. HIV/AIDS Interest Group Monthly Meeting. University of Texas at Southwestern. Dallas, TX. November 1999.
17. The role of human herpesvirus 8 in the pathogenesis of Kaposi's sarcoma. Dermatology Grand Rounds. University of Texas at Southwestern. Dallas, TX. November 1999.
18. Tissue-based transmission model for HIV infection of Langerhans cells. Division of AIDS Seminar. NIAID. Bethesda, MD. December 1999.
19. Langerhans cells as initial targets for virus during sexual transmission of HIV. Weekly Research Conference. New York Blood Center. New York, NY. February 2000.
20. HIV update. Bristol-Myers Squibb Distinguished Faculty Series in HIV. Columbia, SC. March 2000.
21. Langerhans cells as initial targets for HIV following sexual exposure to virus. Seminars

- in Experimental Pathology. State University of New York Health Science Center at Brooklyn. New York, NY. June 2000.
22. The role of human herpesvirus 8 in the pathogenesis of Kaposi's sarcoma. Grand Rounds in Dermatology. State University of New York Health Science Center at Brooklyn. New York, NY. June 2000.
  23. Skin disease in HIV-infected African-Americans. Bristol-Myers Squibb Distinguished Faculty Series in HIV. Atlanta, GA. August 2000.
  24. The biology and virology of KSHV and how it may cause KS. Duhring Lecture in Dermatology. University of Pennsylvania. Philadelphia, PA. September 2000.
  25. Phenotype and function of HIV-infected dendritic cells. Lecture Series. Division of Retrovirology. Walter Reed Army Institute of Retrovirology. Rockville, MD. September 2000.
  26. The biology and virology of KSHV and how it may cause KS. Grand Rounds in Dermatology. Henry Ford Hospital. Detroit, MI. December 2000.
  27. Randomized double-blind placebo-controlled trial using recombinant human interleukin-10 for patients with moderate-to-severe psoriasis. Washington DC Dermatological Society. Bethesda, MD. January 2001.
  28. HIV-infected dendritic cells impair T cell function: reversal of defects by soluble CD4, but not by anti-retroviral drugs. Translational Research Special Seminar Series. Frederick, MD. May 2001.
  29. Chemically modifies RANTES analogues block CCR5-mediated HIV infection of Langerhans cells within epithelial tissue explants. NIH Symposium on Chemokines in Immunity and Disease. Bethesda, MD. May 2001.
  30. How KSHV may cause KS. Resident Lecture Series. Stanford University. Palo Alto, CA. June 2001.
  31. HIV-infected dendritic cells impair T cell function: reversal of defects by soluble CD4, but not by anti-retroviral drugs. Immunology Lecture Series. Istituto Dermopatico dell'Immacolata. Rome, Italy. September 2001.
  32. How KSHV may cause KS. Immunology Lecture Series. Istituto Dermopatico dell'Immacolata. Rome, Italy. September 2001.
  33. How KSHV may cause KS. Medicine Grand Rounds. VA Hospital. Washington, D.C. October 2001.
  34. The Role of Langerhans Cells in Sexual Transmission of HIV. Dermatology Grand Rounds. Duke University. Durham, NC. December 2001.
  35. Kaposi's Sarcoma-Associated Herpesvirus. Dermatology Grand Rounds. Duke University. Durham, NC. December 2001.
  36. Pityriasis rosea is associated with reactivation of both human herpesvirus-7 and human herpesvirus-6. NIH Clinical Center Medical Grand Rounds. Bethesda, MD. January 2002.
  37. Langerhans cells as initial targets for HIV. NIH Immunology Faculty Lecture Series. Bethesda, MD. April 2002.
  38. Langerhans cells as initial targets for HIV. NIAID Research Lecture Series. Bethesda, MD. April 2002.
  39. Interactions between dendritic cells and HIV. Infectious Disease Grand Rounds. University of Pittsburgh. Pittsburgh, PA. June 2002.
  40. How KSHV may cause KS. Oncology Grand Rounds. University of South Dakota.

- Sioux Falls, SD. October 2002.
41. Cutaneous manifestations of HIV disease. Infectious Disease Grand Rounds. University of South Dakota. Sioux Falls, SD. October 2002.
  42. Pathogenesis of Kaposi's sarcoma. Dermatology Clinical Grand Rounds. Yale University. New Haven, CT. November 2002.
  43. Langerhans cells as targets for HIV. Dermatology Scientific Grand Rounds. Yale University. New Haven, CT. November 2002.
  44. Update on skin diseases associated with human herpesvirus 6, 7, and 8 infection. Harry M. Robinson, Jr., M.D. Memorial Lectureship. University of Maryland School of Medicine. Baltimore, MD. May 2003.
  45. Langerhans cells as targets for HIV. Dermatology Grand Rounds. Oregon Health & Science University. Portland, OR. September 2003.
  46. The role of KSHV in the pathogenesis of KS. Dermatology Grand Rounds. Albert Einstein College of Medicine of Yeshiva University. Bronx, NY. October 2003.
  47. Dermatology perspective on HIV: what it was, what it became, where it may go. HIV/Dermatology Teaching Day. Wilson Memorial Regional Center. Johnson City, NY. November 2003.
  48. Cutaneous manifestations of HIV disease. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. July 2004.
  49. Lymphatic dysfunction in transgenic mice expressing KSHV *k-cyclin* under the control of the *VEGFR-3* promoter. OHSU Cancer Institute 9<sup>th</sup> Annual Scientific Retreat. Timberline Lodge, OR. July 2004.
  50. Pathogenesis of psoriasis. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. September 2004.
  51. Langerhans cells as targets for HIV. Dermatology Lecture Series. University of Washington. Seattle, WA. September 2004.
  52. Immunology of the skin. Lecture to 2<sup>nd</sup> year medical students. University of Washington. Seattle, WA. September 2004.
  53. How KSHV may cause KS. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. September 2004.
  54. Mechanisms of action for new biologic therapies for psoriasis. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. October 2004.
  55. The many faces of flow cytometry. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. October 2004.
  56. Infections and infestations of the skin. Lecture Series for Physician Assistants. Oregon Health & Science University. Portland, OR. December 2004.
  57. Langerhans cell biology and pathology. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. December 2004.
  58. Solving the enigmas of Kaposi's sarcoma. Oregon Dermatology Society monthly meeting. Portland, OR. January 2005.
  59. Solving the enigmas of Kaposi's sarcoma. Seattle Dermatology Society monthly meeting. Seattle, WA. January 2005.
  60. Unusual dermatologic cases I. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. March 2005.
  61. Viral carcinogenesis. Graduate school course (Cancer Biology, Cell 616). Oregon Health & Science University. Portland, OR. April 2005.

62. Langerhans cells and HIV infection. Operative Care Division Meeting. VA Medical Center. Portland, OR. May 2005.
63. Langerhans cells and HIV infection. MD, PhD Seminar Series. Oregon Health & Science University. Portland, OR. May 2005.
64. Unusual dermatologic cases II. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. June 2005.
65. Clinical features of psoriasis. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. July 2005.
66. Introduction to immunology. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. August 2005.
67. Immunology of psoriasis and how the biologics work. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. September 2005.
68. Infections and infestations. Dermatology for Primary Care Conference. Portland, OR. September 2005.
69. Infections and infestations. Northwest Oregon Dermatology Nurses' Association annual meeting. Kah-Nee-Ta, OR. October 2005.
70. Infections and infestations. Lecture Series for Physician Assistants. Oregon Health & Science University. Portland, OR. December 2005.
71. Infections and infestations. 37th Annual Family Medicine Review. Portland, OR. February 2006.
72. Psoriasis: key cytokines. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. March 2006.
73. Psoriasis as a T IL-17 autoimmune inflammatory skin disease. Dermatology Lecture Series. University of Miami. Miami, FL. March 2006.
74. Pathogenesis of psoriasis. Rheumatology Lecture Series. Oregon Health & Science University. Portland, OR. March 2006.
75. How HIV interacts with Langerhans cells. Center for AIDS Research. University of Washington. Seattle, WA. April 2006.
76. HIV skin disease - current issues. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. April 2006.
77. New advances in the treatment of psoriatic arthritis. Oregon Dermatology Nurses' Association, Portland, OR. May 2006
78. A biological approach to the management of psoriatic arthritis: treating the complete disease. Redwood City, CA. May 2006.
79. A decade of experience with TNF- $\alpha$  inhibitors & a review of the psoriatic arthritis data. Beverly Hills, CA. May 2006.
80. Current and future biologic treatments for psoriasis. Oregon Society of Dermatology Associates. Portland, OR. May 2006.
81. Langerhans cell and dendritic cell biology in skin. Graduate school course (Advanced Immunology, MBIM 612). Oregon Health & Science University. Portland, OR. June 2006.
82. Cutaneous T cell immunity. Graduate school course (Advanced Immunology, MBIM 612). Oregon Health & Science University. Portland, OR. June 2006.
83. Skin-associated autoimmunity. Graduate school course (Advanced Immunology, MBIM 612). Oregon Health & Science University. Portland, OR. June 2006.
84. Introduction to morphology. Dermatology Lecture Series. Oregon Health & Science

- University. Portland, OR. July 2006.
85. Clinical features of psoriasis. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. July 2006.
  86. Role of IL-23 in the pathogenesis of psoriasis. Dermatology Grand Rounds. UCLA Medical School, Los Angeles, CA. September 2006.
  87. Introduction to immunology. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. September 2006.
  88. Psoriasis. Dermatology for Primary Care Conference. Portland, OR. October 2006.
  89. Recent updates in the treatment of psoriasis. Portland, OR. November 2006.
  90. Recent updates in the treatment of psoriasis. Boise, ID. November 2006.
  91. Role of IL-23 in the pathogenesis of psoriasis. Dermatology Grand Rounds. University of Minnesota Medical School. Minneapolis, MN. November 2006.
  92. Infections and infestations. Lecture Series for Physician Assistants. Oregon Health & Science University. Portland, OR. November 2006.
  93. Emerging data on biologics in psoriasis. Oregon Society of Health System Pharmacists. Portland, OR. November 2006.
  94. HIV disease - update for the dermatologist. Dermatology Grand Rounds. University of Illinois at Chicago. Chicago, IL. November 2006
  95. Recent updates in the treatment of psoriasis. Sacramento, CA. December 2006.
  96. Optimizing therapeutic outcomes with TNF antagonists in the treatment of psoriatic disease. Silverdale, WA. January 2007.
  97. Viruses I. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. February 2007.
  98. Viruses II. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. March 2007.
  99. Psoriasis, psoriatic arthritis & other health conditions. Psoriasis: more than skin deep (National Psoriasis Foundation program). March 2007.
  100. Practical issues involved in using systemic therapy for patients with psoriasis. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. March 2007.
  101. Improving quality of life in psoriasis with TNF blockers. Eugene, OR. March 2007.
  102. Viral carcinogenesis. Graduate school course (Cancer Biology, Cell 616). Oregon Health & Science University. Portland, OR. April 2007.
  103. IL-23 and psoriasis. Oregon Health & Science University Department of Dermatology 95th Anniversary Educational Celebration in conjunction with the Walter C. Lobitz, Jr., M.D. Visiting Professorship. Portland, OR. April 2007.
  104. IL-23 and psoriasis. Clinical Scholars Visiting Professor. Rockefeller University. New York, NY. May 2007.
  105. Recent updates in the treatment of psoriasis: a case-based approach. Eugene, OR. May 2007.
  106. Dermatology roundtables: practical approaches to solving psoriasis challenges. Portland, OR. May 2007.
  107. Unusual dermatologic cases III. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. May 2007.
  108. Dermspeak - saying and writing accurately and precisely what we see. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. July 2007.

109. Zeroing in on the cause of psoriasis. Oregon Dermatology Society annual meeting. Sunriver, OR. July 2007.
110. Highlights from Society of Investigative Dermatology annual meeting. Oregon Dermatology Society Annual Meeting. Sunriver, OR. July 2007.
111. Basics of psoriasis. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. August 2007.
112. Pityriasis rosea. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. September 2007.
113. State of the art of biologics for psoriasis: today and tomorrow. California Society of Dermatology & Dermatologic Surgery annual meeting. Monterey, CA. September 2007.
114. Immune mediated inflammatory disorders and biologic therapy: clinical considerations for multiple specialties. Houston, TX. September 2007.
115. HIV and skin disease. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. October 2007.
116. Practical use of biologics. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. November 2007.
117. Role of IL-23 and Th17 cells in psoriasis pathogenesis. Dermatology Grand Rounds. University of California at San Diego. San Diego, CA. November 2007.
118. Recent updates in the treatment of psoriasis: a case-based approach. San Diego, CA. November 2007.
119. Unusual dermatologic cases IV. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. December 2007.
120. Diagnosis and management of psoriatic arthritis. Portland, OR. December 2007.
121. Pathogenesis and contemporary treatment of psoriasis. Medicine Grand Rounds. St. Vincent Medical Center. Portland, OR. January 2008.
122. Immunodermatology. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. March 2008.
123. Role of IL-23/Th17 cell inflammatory pathway in the pathogenesis of psoriasis. Department of Molecular Microbiology & Immunology annual retreat. Oregon Health & Science University. Portland, OR. March 2008.
124. Advances in the treatment of psoriatic diseases. Portland, OR. March 2008.
125. Burden of psoriatic diseases. Portland, OR. March 2008.
126. Immune mediated inflammatory disorders and biologic therapy: clinical considerations for multiple specialties. San Francisco, CA. April 2008.
127. Biologics. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. April 2008.
128. Common skin diseases. Primary care conference. VA Medical Center. Portland, OR. April 2008.
129. Management of a patient on biologic therapy: a physician nurse interaction. Newport Beach, CA. April 2008.
130. Papulosquamous diseases. Medical student lecture series. Oregon Health & Science University. Portland, OR. April 2008.
131. Recent updates in the treatment of psoriasis: a case-based approach. Oklahoma City, OK. April 2008.
132. The role of IL-23 in the pathogenesis of psoriasis. Dermatology Grand Rounds. University of Oklahoma Health Services University. Oklahoma City, OK. May 2008.

133. A case-based approach to managing psoriasis and psoriatic arthritis in patients with comorbidities. Portland, OR. May 2008.
134. The role of IL-23 in the pathogenesis of psoriasis. Dermatology Grand Rounds. Nara University. Nara, Japan. May 2008.
135. The role of IL-23 in the pathogenesis of psoriasis. Dermatology Grand Rounds. University of Tokyo. Tokyo, Japan. May 2008.
136. Unusual dermatologic cases V. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. May 2008.
137. Langerhans cell and dendritic cell biology in skin. Graduate school course (Advanced Immunology, MBIM 612). Oregon Health & Science University. Portland, OR. May 2008.
138. Psoriasis as a Th17 mediated disease. Graduate school course (Advanced Immunology, MBIM 612). Oregon Health & Science University. Portland, OR. June 2008.
139. Skin-associated autoimmunity. Graduate school course (Advanced Immunology, MBIM 612). Oregon Health & Science University. Portland, OR. June 2008.
140. IL-23 as a master cytokine in psoriasis. John R. Person Lecture in Dermatology. University of Massachusetts. Worcester, MA. June 2008.
141. Co-morbidities, pathogenesis, and treatment of psoriasis. Grand Rounds. Department of Medicine. University of Massachusetts. Worcester, MA. June 2008.
142. Mycobacteria. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. June 2008.
143. Dermspeak - saying and writing accurately and precisely what we see. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. July 2008.
144. IL-23 as a master cytokine in psoriasis. Dermatology Grand Rounds. University of Rochester. Rochester, NY. July 2008.
145. Clinical features of psoriasis. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. August 2008.
146. IL-23 as a master cytokine in psoriasis. Duhring Lecture in Dermatology. University of Pennsylvania. Philadelphia, PA. September 2008.
147. Targeting IL-23: the hottest new wave in treatment of psoriasis. Robert Pommerening Lecture in Dermatology. University of Washington. Seattle, WA. October 2008.
148. IL-23 as a critical target for future psoriasis therapy. Dermatology Grand Rounds. University of Utah. Salt Lake City, UT. October 2008.
149. Identifying and quantifying Th17 cells in psoriasis. Dermatology Basic Science Lecture. University of Utah. Salt Lake City, UT. October 2008.
150. Clinical and therapeutic update on psoriasis. Oregon Society of Health-Systems Pharmacists annual meeting. Portland, OR. October 2008.
151. HIV and skin disease. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. October 2008.
152. Immunology for the dermatology nurse. Northwest Oregon Dermatology Nurses' Association annual meeting. McMinnville, OR. November 2008.
153. Psoriasis: cutting edge advances for an ancient disease. Marquam Hill Lecture Series. Oregon Health & Science University. Portland, OR. November 2008.
154. Imatinib for fibrosing disorders. Translational Medicine Lecture Series. Oregon Health & Science University. Portland, OR. December 2008.

155. Immunodermatology. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. March 2009.
156. Biologics. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. April 2009.
157. Emerging pathways in the treatment of plaque psoriasis. Amgen lecture series. Thousand Oaks, CA. April 2009.
158. Papulosquamous diseases. Medical student lecture series. Oregon Health & Science University. Portland, OR. April 2009.
159. Skin cancer. Graduate school course (Cancer Biology, Cell 616). Oregon Health & Science University. Portland, OR. May 2009.
160. Mycobacterial infections. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. June 2009.
161. Dermspeak - saying and writing accurately and precisely what we see. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. July 2009.
162. IL-23, Th17 cells, and psoriasis. Amgen lecture series. Seattle, WA. July 2009.
163. Introduction to immunology. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. July 2009.
164. Psoriasis: more than skin deep. National Psoriasis Foundation educational outreach program. Portland, OR. August 2009.
165. Ustekinumab and briakinumab. Pacific Dermatologic Association annual meeting. Portland, OR. August 2009.
166. Clinical features of psoriasis. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. August 2009.
167. Papulosquamous diseases. Physician Assistants course (Clinical Medicine I, PAST 512). Oregon Health & Science University. Portland, OR. September 2009.
168. Psoriasis. Primary Care Conference. Portland, OR. September 2009.
169. *Candida albicans* as a trigger for psoriasis: new data for an old idea. Maria Turner Retirement Symposium. Bethesda, MD. October 2009.
170. IL-23, Th17 cells, and psoriasis. Rheumatology Grand Rounds. Oregon Health & Science University. Portland, OR. December 2009.
171. Practical aspects of incorporating ustekinumab into your everyday practice. Oregon Dermatology Society monthly meeting. Portland, OR. December 2009.
172. HIV and skin disease. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. December 2009.
173. Papulosquamous diseases. Medical student lecture series. Oregon Health & Science University. Portland, OR. March 2010.
174. Dermatology clinical unknowns. Medical student lecture series. Oregon Health & Science University. Portland, OR. April 2010.
175. Langerhans cell/dendritic cell biology in skin. Graduate school course (Advanced Immunology, MBIM 612). Oregon Health & Science University. Portland, OR. May 2010.
176. Cutaneous T cell immunity. Graduate school course (Advanced Immunology, MBIM 612). Oregon Health & Science University. Portland, OR. May 2010.
177. Psoriasis as a Th17-mediated disease. Graduate school course (Advanced Immunology, MBIM 612). Oregon Health & Science University. Portland, OR. May 2010.



178. Immunology case studies: IgE-mediated allergy. Medical student lecture series. Oregon Health & Science University. Portland, OR. May 2010.
179. Psoriasis. VISN20 Teledermatology Summer Conference. Seattle, WA. June 2010.
180. Introduction to morphology. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. July 2010.
181. Role of IL-23 and Th17 cells in the pathogenesis of psoriasis. Pacific Northwest Dermatological 77th Annual Scientific Conference. Vancouver, WA. July 2010.
182. Psoriasis: more than skin deep. National Psoriasis Foundation. Vancouver, WA. July 2010.
183. Introduction to immunology. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. July 2010.
184. Clinical features of psoriasis. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. August 2010.
185. Role of IL-23 and Th17 cells in the pathogenesis of psoriasis. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. August 2010.
186. Systemic therapy for psoriasis. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. August 2010.
187. Papulosquamous diseases. Physician Assistants course (Clinical Medicine I, PAST 512). Oregon Health & Science University. Portland, OR. September 2010.
188. Common skin diseases in the primary care office. 6th Annual Dermatology for Primary Care Update. Portland, OR. September 2010.
189. Role of IL-23 and Th17 cells in skin infection. Dermatology Grand Rounds. Case Western Reserve University. Cleveland, OH. September 2010.
190. Immunopathogenesis of psoriasis. Dermatology Grand Rounds. University of Florida. Gainesville, FL. October 2010.
191. More than skin deep: essential elements of the skin exam for non-dermatologists. Masters of Physical Diagnosis: The Art of the Physical Exam. Kaiser Permanente CME course. Portland, OR. October 2010.
192. The art of the skin exam. OHSU Dermatology Interest Group workshop. Portland, OR. October 2010.
193. Role of IL-23 and Th17 cells in skin infections and psoriasis. Boehringer Ingelheim Immunology Lecture Series. Ridgefield, CT. November 2010.
194. Common skin diseases in the primary care office. Internal Medicine Lecture Series. Oregon Health & Science University. Portland, OR. December 2010.
195. Getting into dermatology residency. OHSU Dermatology Interest Group workshop. Portland, OR. December 2010.
196. Psoriasis pathogenesis and the psoriasis pipeline. OHSU presentation to Advinus. Portland, OR. January 2011.
197. Common skin diseases in the primary care office. Family Practice Lecture Series. Oregon Health & Science University. Portland, OR. February 2011.
198. Psoriasis. Rheumatology Lecture Series. Oregon Health & Science University. Portland, OR. February 2011.
199. Papulosquamous diseases. Medical student lecture series. Oregon Health & Science University. Portland, OR. April 2011.
200. Skin cancer. Graduate school course (Cancer Biology, Cell 616). Oregon Health & Science University. Portland, OR. May 2011.

201. Unusual dermatologic cases VI. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. June 2011.
202. Unusual dermatologic cases VII. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. June 2011.
203. Introduction to morphology. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. July 2011.
204. Introduction to immunology. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. July 2011.
205. Clinical features of psoriasis. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. July 2011.
206. Unusual dermatologic cases VIII. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. September 2011.
207. Psoriasis. 7th Annual Dermatology for Primary Care Update. Portland, OR. September 2011.
208. Unusual dermatologic cases IX. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. October 2011.
209. Psoriasis and the development of biosimilars (invited speaker and emcee). Oregon Biomedicine Roundtable on Biosimilars and Biologics: An Interactive Discussion about Innovation, Access and Safety. Portland, OR. October 2011.
210. Unusual dermatologic cases X. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. February 2011.
211. The psoriasis pipeline. Oregon Dermatology Society monthly meeting. Medford, OR. March 2012.
212. Modern systemic management of psoriasis. Oregon Dermatology Society monthly meeting. Medford, OR. March 2012.
213. Pros and cons of clinical trials for patients with psoriasis. National Psoriasis Foundation. Portland, OR. March 2012.
214. Clinical exchange: dynamic discussions on Stelara for moderate to severe psoriasis. Boone, NC. March 2012.
215. Clinical exchange: dynamic discussions on Stelara for moderate to severe psoriasis. Tacoma, WA. March 2012.
216. Clinical exchange: dynamic discussions on Stelara for moderate to severe psoriasis. Green Bay, WI. April 2012.
217. Clinical exchange: dynamic discussions on Stelara for moderate to severe psoriasis. Milwaukee, WI. April 2012.
218. The psoriasis pipeline. Dermatology Grand Rounds. Medical College of Wisconsin Grand Rounds. Milwaukee, WI. April 2012.
219. Clinical exchange: dynamic discussions on Stelara for moderate to severe psoriasis. Dodgeville, WI. April 2012.
220. Clinical exchange: dynamic discussions on Stelara for moderate to severe psoriasis. Madison, WI. April 2012.
221. Clinical exchange: dynamic discussions on Stelara for moderate to severe psoriasis. San Francisco, CA. April 2012.
222. Clinical exchange: dynamic discussions on Stelara for moderate to severe psoriasis. Bend, OR. May 2012.
223. Clinical exchange: dynamic discussions on Stelara for moderate to severe psoriasis.

- Palo Alto, CA. June 2012.
224. Clinical exchange: dynamic discussions on Stelara for moderate to severe psoriasis. Daytona, FL. June 2012.
  225. Clinical exchange: dynamic discussions on Stelara for moderate to severe psoriasis. Anchorage, AK. July 2012.
  226. Introduction to immunodermatology. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. July 2012.
  227. Dermspeak. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. August 2012.
  228. General features of psoriasis. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. August 2012.
  229. Cardiovascular effects of biologics. Pacific Dermatologic Association annual meeting. Huntington Beach, CA. August 2012.
  230. Unusual dermatologic cases XI. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. September 2011.
  231. Safety update: patient follow-up through 5 years in clinical trials. Portland, OR. October 2012.
  232. Clinical exchange: dynamic discussions on Stelara for moderate to severe psoriasis. San Francisco, CA. October 2012.
  233. Clinical exchange: dynamic discussions on Stelara for moderate to severe psoriasis. Kansas City, MO. November 2012.
  234. Psoriasis: what's new on the horizon. Portland, OR. November 2012.
  235. Clinical exchange: dynamic discussions on Stelara for moderate to severe psoriasis. Atlanta, GA. November 2012.
  236. Biologics. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. November 2012.
  237. Clinical exchange: dynamic discussions on Stelara for moderate to severe psoriasis. Ft. Lauderdale, FL. November 2012.
  238. Clinical exchange: dynamic discussions on Stelara for moderate to severe psoriasis. Eugene, OR. February 2013.
  239. Immunology underlying the psoriasis pipeline. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. March 2013.
  240. Clinical exchange: dynamic discussions on Stelara for moderate to severe psoriasis. St. Louis, MO. March 2013.
  241. Clinical exchange: dynamic discussions on Stelara for moderate to severe psoriasis. Kansas City, MO. March 2013.
  242. The psoriasis pipeline. Lilly Autoimmune Advisory Board annual meeting. Dallas, TX. March 2013.
  243. Clinical exchange: dynamic discussions on Stelara for moderate to severe psoriasis. Racine, WI. April 2013.
  244. Clinical exchange: dynamic discussions on Stelara for moderate to severe psoriasis. Milwaukee, WI. April 2013.
  245. Clinical exchange: dynamic discussions on Stelara for moderate to severe psoriasis. Seattle, WA. April 2013.
  246. Differentiation of ixekizumab in the future psoriasis marketplace. Eli Lilly Lecture. Indianapolis, IN. May 2013.

247. Quality reporting business opportunity assessment. Capstone presentation to Apprise Health Insights. Lake Oswego, OR. June 2013.
248. Structure and function of skin. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. June 2013.
249. Correctly describing skin lesions. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. July 2013.
250. Basic immunodermatology. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. July 2013.
251. Psoriasis. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. August 2013.
252. Management of complex cases of psoriasis. Oregon Dermatology Society annual meeting. Sunriver, OR. August 2013.
253. Off-label uses of biologics. Oregon Dermatology Society annual meeting. Sunriver, OR. August 2013.
254. 21<sup>st</sup> century management of psoriasis. Intermountain Dermatology Society annual meeting. Sun Valley, ID. September 2013.
255. Management of complex medical dermatology cases. Intermountain Dermatology Society annual meeting. Sun Valley, ID. September 2013.
256. Biologics for psoriasis. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. October 2013.
257. Psoriasis in the 21<sup>st</sup> century: more than a skin disease and more you can do it about it. Portland, OR. October 2103.
258. Viruses. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. December 2013.
259. Cutaneous immunology: understanding the basis for targeted therapy in dermatology. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. March 2014.
260. Psoriasis: more than skin deep. National Psoriasis Foundation. Portland, OR. June 2014.
261. Update on co-morbidities and biologic treatment options for psoriasis. Grand Rounds. University of California. Irvine, CA. July 2014.
262. 21<sup>st</sup> century care of psoriasis. Northwest Oregon Chapter of the Dermatology Nurses' Association annual meeting. Portland, OR. October 2014.
263. Update on co-morbidities and biologic treatment options for psoriasis. Grand Rounds. University of Arizona. Tucson, AZ. November 2014.
264. Update on co-morbidities and biologic treatment options for psoriasis. Grand Rounds. Community Memorial Hospital. Ventura, CA. November 2014.
265. Gevokizumab for pyoderma gangrenosum. Columbia Wound Care Consortium. Portland, OR. January 2015.
266. Relevance of brodalumab phase 3 data for the future management of psoriasis. Thousand Oaks, CA. February 2015.
267. Updates from the AAD annual meeting. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. March 2015.
268. Immunology 101. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. July 2015.

269. Dupilumab: molecule background and clinical experience. Regeneron Advisory Board. New York, NY. July 2015.
270. From molecules, to new biologic therapies, to patient outcomes: how a new understanding of psoriasis biology is catalyzing a novel approach to a complex disease. 11<sup>th</sup> Annual Coastal Dermatology Symposium. Napa, CA. September 2015.
271. Psoriasis: practical considerations for choosing the best therapies. Oregon Society of Dermatology Associates annual meeting. Portland, OR. October 2015.
272. Psoriasis pathogenesis as it relates to new therapeutic agents and clinical practice. Dermatovenerology Clinic lecture series. University of Ljubljana. Ljubljana, Slovenia. November 2015.
273. How advances in psoriasis immunology translate into better biologic therapies. University of Miami Department of Dermatology and Cutaneous Surgery 60<sup>th</sup> Anniversary Meeting. Miami, FL. January 2016.
274. Psoriasis and psoriatic arthritis: from a dermatologist's perspective. UCB Training Meeting. Portland, OR. February 2016.
275. More than skin deep: hot topics in psoriatic disease research. Portland, OR. May 2016.
276. Introducing a new IL-17A inhibitor for the treatment of adult patients with moderate to severe plaque psoriasis. Portland, OR. June 2016.
277. Introducing a new IL-17A inhibitor for the treatment of adult patients with moderate to severe plaque psoriasis. Seattle, WA. June 2016.
278. Introducing a new IL-17A inhibitor for the treatment of adult patients with moderate to severe plaque psoriasis. Salt Lake City, UT. October 2016.
279. Introducing a new IL-17A inhibitor for the treatment of adult patients with moderate to severe plaque psoriasis. Eugene, OR. October 2016.
280. Introducing a new IL-17A inhibitor for the treatment of adult patients with moderate to severe plaque psoriasis. Milwaukee, WI. January 2017.
281. Introducing a new IL-17A inhibitor for the treatment of adult patients with moderate to severe plaque psoriasis. Denver, CO. January 2017.
282. Introducing a new IL-17A inhibitor for the treatment of adult patients with moderate to severe plaque psoriasis. Honolulu, HI. January 2017.
283. Introducing a new IL-17A inhibitor for the treatment of adult patients with moderate to severe plaque psoriasis. Bend, OR. February 2017.
284. Biologics for psoriasis. Dermatology Lecture Series. Oregon Health & Science University. Portland, OR. March 2017.
285. Introducing a new IL-17A inhibitor for the treatment of adult patients with moderate to severe plaque psoriasis. Tigard, OR. April 2017.
286. Introducing a new IL-17A inhibitor for the treatment of adult patients with moderate to severe plaque psoriasis. Palo Alto, CA. January 2017.
287. Dupixent® (dupilumab): the first biologic for adults with uncontrolled moderate-to-severe atopic dermatitis. Portland, OR. April 2017.
288. Dupixent® (dupilumab): the first biologic for adults with uncontrolled moderate-to-severe atopic dermatitis. Reston, VA. May 2017.
289. Introducing a new IL-17A inhibitor for the treatment of adult patients with moderate to severe plaque psoriasis. Portland, OR. May 2017.
290. Dupixent® (dupilumab): the first biologic for adults with uncontrolled moderate-to-severe atopic dermatitis. Fresno, CA. May 2017.

