

Alice Bendix Gottlieb MD, PhD**Summary of Curriculum Vitae**

Dr. Gottlieb is an internationally recognized expert and leader in the field of psoriasis and psoriatic arthritis. In March, 2006, she joined Tufts Medical Center as its Chair of Dermatology and Dermatologist-in-Chief of the hospital, and as the Harvey B. Ansell Professor of Dermatology at Tufts University School of Medicine. She is the former Professor of Medicine and Founding Director of the Psoriasis Center of Excellence at UMDNJ-Robert Wood Johnson Medical School. Her research using targeted immunobiologics as pathogenic probes, provided new understanding of the pathogenesis of psoriasis and provided the foundation for biologic drug development in psoriasis and psoriatic arthritis. Her translational research provided the first double blind, randomized, placebo-controlled study of the efficacy of TNF blockers as monotherapy for moderate to severe psoriasis (published in *Lancet* in 2001). This work led to multiple TNF blockers being FDA-approved for psoriasis. TNF blockers have revolutionized the care of psoriasis and psoriatic arthritis patients. She has authored over 270 peer-reviewed articles that have appeared in journals such as The Lancet, the New England Journal of Medicine, Nature: Drug Discovery, Proceedings of the National Academy of Sciences, Journal of Experimental Medicine, Archives of Dermatology, the Journal of the American Academy of Dermatology, and Journal of Investigative Dermatology. She has presented her research at more than 200 dermatology and rheumatology conferences in Europe, Asia and the United States, as well as at the FDA and the National Academy of Sciences. She is on almost every list of outstanding doctors, including Best Doctors in America and Best Doctors in Boston. She is triple boarded in dermatology, rheumatology and internal medicine, and is one of only a handful of doctors in the United States to be certified in all three of these specialties. Dr. Gottlieb has received numerous awards for mentoring and teaching including Excellence in Teaching Award from the Department of Dermatology at Tufts University Medical School/Tufts Medical Center, Honorary Membership in Alpha Omega Alpha in recognition of medical student teaching, a Research Mentorship award from the Internal Medicine house staff and a Mentorship Award from the American Chemical Society for mentoring minority high school students in bench and clinical research. Dr. Gottlieb was elected to the Board of Directors of the American Academy of Dermatology for 2011-2015. Dr. Gottlieb is a member of the American Dermatological Association and Noah Worcester Dermatology Society amongst other professional societies. She is the founder and Chairman of the Board of the International Dermatology Outcome Measures (IDEOM) group. This consortium of patients, physicians, pharmaceutical scientists and other stakeholders is dedicated to bring clinically practical outcome measures to dermatologic practice that satisfy the needs of all stakeholders.

She was one of the first scientists to demonstrate that psoriasis is a T cell mediated disease. She initially demonstrated increased numbers of activated T cells and increased expression of a number of immunologic cytokines in psoriatic plaques (reported in multiple publications, e.g., the Journal of Experimental Medicine, Proceedings of the National Academy of Sciences). She then showed that treatment with a T cell-specific immunotoxin cleared psoriasis clinically and histologically (published in Nature Medicine and noted in commentary in The Lancet). Dr. Gottlieb, through her published studies and public presentations, has convinced a number of pharmaceutical companies to use psoriasis as their proof-of-concept disease when testing new immunomodulators that may decrease T cell and dendritic cell cytokine production. Thus, her work has affected drug development in psoriasis, psoriatic arthritis, rheumatoid arthritis, inflammatory bowel disease and transplantation. As a direct result of Dr. Gottlieb's work, many biotechnology-engineered immunomodulators are FDA and /or EMEA-approved for psoriasis and psoriatic arthritis. In 2001, she received the American Skin

Association's Psoriasis Research Award in recognition of her work. In 2006, she received the Honorary Fellowship Award of the American College of Clinical Pharmacology. Currently, Dr. Gottlieb's research centers on developing new treatments for psoriasis and psoriatic arthritis, developing better outcome measures for psoriasis and on understanding the mechanisms of action of these novel agents. Additionally, she is working on initiatives to prevent disability due to psoriatic arthritis and to develop outcome measures useful to all stakeholders and useful in clinical practice.

Dr. Gottlieb obtained her MD from Cornell Medical School and her PhD in Immunology from the Rockefeller University, where she studied in the laboratory of Henry Kunkel and was one of the first females admitted to Rockefeller University's joint MD-PhD program. She has also been a leading educator in her specialties, and has been on the forefront of mentoring female and minority students and overseeing community outreach and patient advocacy programs. She is active in the autoimmune disease community as a councilor of the International Psoriasis Council and a member of the Executive and Steering Committees of GRAPPA (an international psoriatic arthritis coalition), Medical Advisory Board member and Co-Editor of the Psoriasis Forum, the physicians' newsletter of the National Psoriasis Foundation. She is a member of the Board of Directors of the American Academy of Dermatology.

Alice Bendix Gottlieb, MD, PhD**Address:**

Work:

Tufts Medical Center
 800 Washington Street, Box 114
 Boston, MA 02111
 Telephone: (617) 636-5370
 Facsimile: (617) 636-9169

Employment History**Current Positions:**

March 13, 2006 - Present	Chair of Dermatology and Dermatologist-in-Chief at Tufts Medical Center, Boston, MA
	Harvey B. Ansell Professor of Dermatology, Tufts University School of Medicine
October 31, 2006-Present	Professor of Dermatology, Clinical Research, Sackler School of Graduate Medical Sciences at Tufts University School of Medicine
October 1, 2011-Present	Professor, Tufts Clinical and Translational Science Institute
January 25, 2006- 2012	Clinical Professor in the Dept. of Dermatology and the Dept. of Molecular Genetics, Microbiology and Immunology at UMDNJ-RWJMS, New Brunswick, NJ

Highlighted Accomplishments:

- Appointed to the Medical Advisory Board, National Psoriasis Foundation
- Awarded the Faculty Award of Appreciation by the Tufts Medical Center Department of Dermatology Residents "In recognition of your commitment and dedication to the past and present residents in our department", June 12, 2014.
- Founder and Chairman of the Board of IDEOM, the International Dermatology Outcomes Measures organization
- Appointed to the AAD's Ad Hoc Task Force on Data Collection Platform and Registries (AHTF), 2014.
- Awarded Best Doctors in America 2014
- Selected as a Castle Connolly's Top Doctor 13th Edition
- Honorary Fellow of the American College of Clinical Pharmacology, 2014
- Elected to the Executive Committee, GRAPPA, 2013
- First Prize Winner, Poster Exhibits at the AAD annual meeting, Miami, 2013
- Awarded Boston Super Doctors 2013
- Best Doctors in America, 2013

- 2007, 2008, 2009, 2010, 2011, 2012, 2013 Best Doctors, selected by Boston Magazine
- Listed as Top Doctor in US News and World Reports, 2012
- Member, Ad Hoc Nominating Committee, American Academy of Dermatology
- Member, Workgroup on CMSS Code for Interactions with Companies of the AAD
- Member, AAD Workforce Task Group
- America's Top Doctors Castle Connelly 12th edition, 2012
- Member, Ad Hoc Task Force on Perceptions of Dermatology (AHTF). American Academy of Dermatology.
- Member, Research Agenda Committee, American Academy of Dermatology
- Member, Poster Review Task Force, American Academy of Dermatology
- America's Top Doctors Castle Connelly 11th edition, 2011
- Best Doctors in America 2011-2012
- Listed as a Top Doctor in US News and World Reports, 2011
- Listed in 2011 Boston Super Doctors, featuring approximately 5% of physicians in the Boston area.
- 2011 Selected as one of America's Top Doctors in the 10th Edition of the Castle Connelly Guide
- Excellence in Teaching Award from the Department of Dermatology at Tufts University School of Medicine/Tufts Medical Center, June 16, 2010
- Elected to the Board of Directors of the American Academy of Dermatology for 2011-2015
- Best Doctors in America 2010-2011
- 2010 Selected as one of America's Top Doctors in the 9th Edition of the Castle Connelly Guide
- 2010 Who's Who in America
- 2009 Who's Who in America
- Winner, Third Place in the American Academy of Dermatology's 6th Annual Poster Exhibit Award competition
- 2007-2008 Best Doctors in America
- 2006-2007 Who's Who in Medicine and Healthcare
- 2006-2007 Who's Who in America
- 2006 Received the Honorary Fellowship Award of the American College of Clinical Pharmacology
- 2006-present Honorary Fellow of the American College of Clinical Pharmacology
- Selected as one of "America's Top Physicians" 2006 by the Consumers' Research Council of America
- Member, Medical Advisory Board, National Psoriasis Foundation

Peer Reviewed Publications

(Papers of authors with underlined names describe work done by trainees under Dr. Gottlieb's mentorship)

1. Adriane A. Levin BA, Saud Aleissa MD, Nicole Dumont, Francisca Martinez, Courtney Donovan RN, Shiu-chung Au MD, Afnan Hasanain MD, and Alice B. Gottlieb MD PhD A Randomized, Prospective, Sham-Controlled Study of Localized Narrow-Band UVB Phototherapy in the Treatment of Plaque Psoriasis. *J Drugs Dermatol.* 2014;13(8):922-926.
2. Gordon KB, Gottlieb AB, Langely RG, van de Kerkhof P, Belasco KT, Sndaram M, Okun M, Serra L. Adalimumab retreatment successfully restores clinical response and health-related quality of life in patients with moderate to severe psoriasis who undergo therapy interruption., *J EADV*, in press.

3. Kim N, Notik S, Gottlieb AB, Scheinman PL. Patch test results in psoriasis patients on biologics. *Dermatitis* 25: 182-190, 2014.
4. Levin AA, Gottlieb AB, Au SC. A Comparison of Psoriasis Drug Failure Rates and Reasons for Discontinuation in Biologics vs Conventional Systemic Therapies. *JDrugs Dermatol*. 2014 Jul 1;13(7):848-53. PubMed PMID: 25007369.
5. Varada S, Kim N, Abernethy A, Armstrong A, Callis-Duffin, K, Garg A, Gottlieb AB: IDEOM: International Dermatology Outcome Measures- Proceedings from the First Meeting . *Psoriasis Forum* 20: 66-72, 2014.
6. Gottlieb AB, Armstrong AW, Christensen R, Garg A, Callis Duffin K, Boehncke, Merola JF, Gladman DD, Mease PF, Swerlick RA, Rosen CF, Abernethy A. The International Dermatology Outcome Measures Initiative as applied to Psoriatic Disease Outcomes: A Report from the GRAPPA 2013 Meeting. *The Journal of Rheumatology* 41:1227-9, 2014.
7. Varada, S; Tintle S, Gottlieb AB: Apremilast for the treatment of psoriatic arthritis. *Expert Rev. Clin. Pharmacol*. Early online, 1-12, 2014.
8. Boehncke WH, Qureshi A, Merola JF, Thaci D, Krueger GG, Walsh J, Kim N, Gottlieb AB. Diagnosing and treating psoriatic arthritis: an update. *Br J Dermatol*. 2014;170:772-786. DOI: 10.1111/bjd.12748
9. Gross RL, Schwartzman-Morris JS, Krathen M, Reed G, Chang H, Saunders KC, Fisher MC, Greenberg JD, Putterman C, Mease PJ, Gottlieb AB, Kremer J, Broder A. A comparison of malignancy incidence among psoriatic and rheumatoid arthritis patients in a large US cohort. *Arthritis Rheumatol*. 2014 Mar 3. doi: 10.1002/art.38385. [Epub ahead of print] PMID:24591475
10. Ryan C, Korman NJ, Gelfand JM, Lim HW, Elmets CA, Feldman SR, Gottlieb AB, Koo JY, Lebwohl M, Leonardi CL, Van Voorhees AS, Bhushan R, Menter A. Research gaps in psoriasis: Opportunities for future studies. *J. Am Acad Dermatol* 2014 Jan; 70 (1) 146-67. Doi 10.1016/j.jaad.2013.08.042 (epub 2013 Oct 11)
11. Arthur Kavanaugh, Christopher Ritchlin,2 Proton Rahman,3 Lluís Puig,Alice B Gottlieb, Shu Li,6 Yuhua Wang, Lenore Noonan, Carrie Brodmerkel,Michael Song, Alan M Mendelsohn, Iain B McInnes, on behalf of the PSUMMIT-1 and 2 Study Groups Ustekinumab, an anti-IL-12/23 p40 monoclonal antibody, inhibits radiographic progression in patients with active psoriatic arthritis: results of an integrated analysis of radiographic data from the phase 3, multicentre, randomised, double-blind, placebo-controlled PSUMMIT-1 and PSUMMIT-2 trials, Published Online First: 19 February 2014 doi:10.1136/annrheumdis-2013-204741.
12. Paul C, Reich K, Gottlieb AB, Mrowietz U, Nakayama PS, Harfst J, Guettner A, Papavassilis C, the CAIN457A2211 study group. Secukinumab improves hand, foot and nail lesions in moderate-to-severe psoriasis: subanalysis of a randomized, double-blind, placebo-controlled, regimen-finding phase 2 trial. *J. Eur Acad Dermatol Venereol* 2014 Jan 7: doi:10.1111/jdv.12359 (Epub ahead of print)
13. Levin AA and Gottlieb AB: Specific targeting of interleukin-23p19 as effective treatment for psoriasis. *J. Amer. Acad. Dermatol*. Online publication complete: 24-DEC-2013 DOI information: 10.1016/j.jaad.2013.10.043.
14. Bang CN, Okin PM, Kober L, Wachtell K, Gottlieb AB, Devereux RB: Psoriasis is associated with subsequent atrial fibrillation in hypertensive patients with left ventricular hypertrophy: the Losartan intervention for Endpoint study. *J. Hypertension*. 32:1-6, 2014. Sheinin R, Au S-C,

- Gottlieb AB: Merits of mycophenolate mofetil for psoriasis: Is it effective? *Psoriasis Forum* 10: 178-181, 2013.
15. Gottlieb AB, Armstrong AW. Psoriasis outcome measures: a report from the GRAPPA 2012 annual meeting. *J. Rheumatol.* 40: 1428-33, 2013 doi: 10.3899/jrheum.130456.
 16. Callis Duffin K, Gottlieb AB. Outcome measures for psoriasis severity: a report from the GRAPPA 2012 annual meeting. *J Rheumatol* 40: 1428-33, 2013. Doi: 10.3899/jrheum.130454.
 17. Sheinin R, Au S-C, Gottlieb AB: Merits of mycophenolate mofetil for psoriasis: Is it effective? *Psoriasis Forum* 10: 178-181, 2013.
 18. Gottlieb AB, Armstrong A, Christensen R, Garg A, Callis-Duffin K, Boehncke WH, Merola J, Gladman D, Mease P, Abernethy A: IDEOM: The International Dermatology Outcomes Measures initiative as applied to psoriatic disease outcomes, *J. Rheumatology*, in press, 2014.
 19. Ritchlin C, Rahman P, Kavanaugh, McInnes IB, Puig L, Li S, Wang Y, Shen Y-K, Doyle MK, Mendelsohn AM, Gottlieb AB. Efficacy and safety of the anti-IL-12/23 p40 monoclonal antibody, ustekinumab, in patients with active psoriatic arthritis despite conventional nonbiologic and biologic anti-tumor-necrosis-factor therapy: 6-month and 1-year results of the phase 3, multicenter, double-blind, placebo-controlled, randomised PSUMMIT 2 trial, *Ann Rheum Dis*, published on line in advance of print (<http://dx.doi.org/10.1136/annrheumdis-2013-204655>).
 20. Shiu-Chung Au, Marigdalia K. Ramirez-Fort, and Alice B. Gottlieb: Analysis of trial data for infliximab and golimumab demonstrates that baseline CRP level predicts therapeutic response in patients with psoriatic arthritis. *Arthritis Care and Research*, 2013 December 10, doi: 10.1002/acr.22257, 2013 (epub ahead of print)
 21. Ramirez-Fort MK, Levin AA, Au SC, Gottlieb AB : Continuous vs intermittent therapy for moderate-to-severe psoriasis. *Clin Exp Rheumatol* 4 Suppl 78: S63-70, 2013.
 22. Gottlieb AB, Matheson RT, Menter A, Leonardi CL, Day RM, Hu CC, Schafer PH, Krueger JG: Efficacy, tolerability, and pharmacodynamics of apremilast in recalcitrant plaque psoriasis: a Phase II open-label study. *J. Drugs in Dermatology* 12: 888-897, 2013.
 23. Boehncke WH, Qureshi A, Merola JF, Thaci D, Krueger GG, Wash J, Kim N, Gottlieb AB. Diagnosing and treating psoriatic arthritis-an Update. *Br. J. Dermatol.* 2013 Nov 23 doi:10.1111/bjd.12748 (epub ahead of print)
 24. Kalb RE, Blauvelt A, Sofen HL, Chevrier M, Amato D, Calabro S, Wang J, Schenkel B, Gottlieb AB: Effect of infliximab on health-related quality of life and disease activity by body region in patients with moderate-to-severe psoriasis and inadequate response to etanercept: Results from the PSUNRISE trial. *J. Drugs in Dermatol.* 12:877-880, 2013.
 25. Wood Harvey BD, Gottlieb AB: Are new tools for early detection of psoriatic arthritis ready for widespread clinical use? A Review. *Psoriasis Forum* 19: 98-104, 2013.
 26. Gottlieb AB, Swerlick R: IDEOM: International Dermatology Outcomes Measures: A Call to Action. *Psoriasis Forum* 19: 107-109, 2013.
 27. Greb J, Gottlieb AB: Worms: A remarkably reasonable treatment option for psoriasis. *Psoriasis Forum* 19: 94-97.
 28. Bruce E. Strober, MD, PhD, Judit Nyirady, MD, MBA, Usha G. Mallya, PhD, Achim Guettner, PhD, Charis Papavassilis, MD, PhD, Alice B. Gottlieb, MD, PhD, Boni E. Elewski, MD, Diane M. Turner-Bowker, PhD, Alan Shields, PhD, Chad J. Gwaltney, PhD, Mark Lebwohl. Item-Level Psychometric Properties for a New Patient-Reported Psoriasis Symptom Diary. *Journal of Value in Health*, in press.

29. Shiu-chung Au MD,^a Abdulaziz Madani MD,^a Marwan Alhaddad MD,^a Maha Alkofide MD,^a and Alice B. Gottlieb MD PhD^{a,b} Comparison of the Efficacy of Biologics Versus Conventional Systemic Therapies in the Treatment of Psoriasis at a Comprehensive Psoriasis Care Center. *J Drugs Dermatol.* 2013;12(8):861-866
30. Iain B McInnes, Arthur Kavanaugh, Alice B Gottlieb, Luis Puig, Proton Rahman, Christopher Ritchlin, Carrie Brodmerkel, Shu Li, Yuhua Wang, Alan M Mendelsohn, Mittie K Doyle, on behalf of the PSUMMIT 1 Study Group Efficacy and safety of ustekinumab in patients with active psoriatic arthritis: 1 year results of the phase 3, multicentre, double-blind, placebo-controlled PSUMMIT 1 trial, *The Lancet*, 382: 780-9, 2013
31. Strober BE, Nyirady J, Mallya UG, Guettner A, Papavassilis C, Gottlieb AB, Elewski BE, Turner-Bowker DM, Shields A, Gwaltney CJ, Lebwohl M. Item-level Psychometric Properties for a New Patient-Reported Psoriasis Symptom Diary. *Value in Health*, 2013 (in press).
32. Goldminz A, Buzney C, Kim N, Au S-C, Levine D, Wang A, Volf, E, Yaniv S, Kerensky T, Bhandarkar M, Dumont N, Lizzul P, Loo, D, Kulig J., Brown M, Lopez-Benitez J, Miller L, Gottlieb AB: Prevalence of the metabolic syndrome among children with psoriatic disease, *Pediatric Dermatology*, Nov;30(6):700-5. doi: 10.1111/pde.12218. Epub 2013 Sep 9..`
33. Gottlieb Alice and Narang Kirti. Ustekinumab in the treatment of psoriatic arthritis: latest findings and clinical potential. *Therapeutic Advances in Musculoskeletal Disease* 5: 277-285, 2013.
34. Noori Kim & Alice B. Gottlieb Outcome Measures in Psoriasis and Psoriatic Arthritis *Curr Derm RepDOI* 1,0.1007/s13671-013-0051-0, 2013.
35. Narang K, Gottlieb: A review of home phototherapy and available home and handheld phototherapy units. *Psoriasis Forum* 19: 71-75, 2013.
36. Strober BE, Clay Cather J, Cohen D, Crowley JJ, Gordon KB, Gottlieb AB, Kavanaugh AF, Korman NJ, Krueger GG, Leonardi CL, Schwartzman, S, Sobell JM, Solomon GE, Young M. A Delphi Consensus Approach to Challenging Case Scenarios in Moderate to Severe Psoriasis: Part 2. *Dermatol Ther.* 2012, Dec; (1)2. E pub 2012 Mar 30.
37. Strober BE, Clay Cather J, Cohen D, Crowley JJ, Gordon KB, Gottlieb AB, Kavanaugh AF, Korman NJ, Krueger GG, Leonardi CL, Schwartzman, S, Sobell JM, Solomon GE, Young M. A Delphi Consensus Approach to Challenging Case Scenarios in Moderate to Severe Psoriasis: Part 1 *Dermatol Ther.* 2012, Dec; (1)2. E pub 2012 Mar 17.
38. Martin ML, McCarrier KP, Chiou CF, Gordon K, Kimball AB, Van Voorhees AS, Gottlieb AB, Huang X, Globe D, Chau D, Viswanathan HN, Kricorian G. Early development and qualitative evidence of content validity for the Psoriasis Symptom Inventory (PSI), a patient-reported outcome measure of psoriasis symptom severity. *J. Dermatol. Treat* 24: 255-60, 2013.
39. Kumar N, Goldminz AM, Kim N, Gottlieb AB: Phosphodiesterase 4-targeted treatments for autoimmune diseases. *BMC Med* 11:96, 2013
40. Neal Kumar*, Kirti Narang, Brienne D Cressey, and Alice B. Gottlieb Long-term safety of ustekinumab for psoriasis. *Expert Opinion On Drug Safety* 2013 Sept; 12: 757-65.
41. Kim N, Cressey B, Do M, Wang R, Gottlieb AB, Lizzul PF: Impact of accountable care organizations on psoriasis care. *Psoriasis Forum* 18: 221224., 2012.
42. Goldminz A, Botto NC and Gottlieb AB: Severely recalcitrant pyoderma gangrenosum successfully treated with ustekinumab. *JAAD* 67:e237-238, 2012.

43. Goldminz AM, Au SC, Kim N, Gottlieb AB, Lizzul PF: NF-kappaB: An essential transcription factor in psoriasis. *J. Dermatol. Sci* 69: 89-94, 2013.
44. Au, S, Goldminz A, Bhandarkar M, Gottlieb AB: Safety Updates on Tumor Necrosis Factor Blockers. *Psoriasis Forum* 18:98-109.
45. Kim N and Gottlieb AB: The therapeutic applications of Janus Kinase inhibition in psoriasis. *Psoriasis Forum* 18: 118-125.
46. Langley RG, Papp K, Gottlieb AB, Krueger GG, Gordon, KB, Williams D, Valdes J, Setze C, Strober B. Safety results from a pooled analysis of randomized, controlled phase II and III clinical trials and interim data from an open-label extension trial of the interleukin-12/23 monoclonal antibody, briakinumab, in moderate to severe psoriasis. *JEADV*, 2013 Oct;27(10):1252-61, 2012, Nov 16, E pub ahead of print.
47. Kim N, Gottlieb AB. Psoriasis: Ustekinumab and other Biologics. *Curr Derm Rep DOI* 10.1007/s13671-012-0017-7
48. Armstrong AW, Callis Duffin K, Garg A, Gelfand JM, Gottlieb AB, Krueger GG, Qureshi AA, Rosen CF. Exploring priority research areas in psoriasis and psoriatic arthritis from dermatologists' perspective: a report from the GRAPPA 2011 annual meeting. *J. Rheumatol* 39: 2204-10, 2012.
49. Goldminz AM and Gottlieb A B: Ustekinumab for Psoriasis and Psoriatic Arthritis *J Rheumatol* 2012;39 Suppl 89:86–9; doi:10.3899/jrheum.120253
50. Au S, Goldminz AM, Loo DS, Dumont N, Levine D, Volf E, Michelin M, Yaniv S, Lizzul PF, Kerensky T, Lopez-Benitez JM, Natter M, Miller L, Christina FP, Davis T, Gottlieb AB: Association between pediatric psoriasis and the metabolic syndrome. *JAAD* 66:1012-13, 2012.
51. AB. Gottlieb, R. G. Langley, B. E. Strober, K. A. Papp, P. Klekotka, K., Creamer, E. H. Z. Thompson, M. Hooper, G. . Kricorian A Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Addition of Methotrexate to Etanercept in Patients with Moderate to Severe Plaque Psoriasis, *Br. J. Dermatol* 167:649-657, 2012.
52. Reich K, Ortonne JP, Gottlieb AB, Terpstra IJ, Coteur G Tasset C, Mease P: Successful treatment of moderate to severe plaque psoriasis with the PEGylated Fab' certolizumab pegao: results of a phase II randomized, placebo-controlled trial with a re-treatment extension. *Br J Dermatol* 167: 180-190, 2012.
53. Yumiko Wada, Irma Cardinale, Artemis Khatcherian, John Chu, Aaron B. Kantor, Alice B. Gottlieb,⁴Noriaki Tatsuta, Eric Jacobson, James Barsoum, and James G. Krueger. Apilimod Inhibits the Production of IL-12 and IL-23 and Reduces Dendritic Cell Infiltration in Psoriasis, *PLOS*, April 2012 | Volume 7 | Issue 4 | e35069, 2012.
54. Pariser DM, Leonardi CL, Gordon K, Gottlieb AB, Tying S, Papp KA, Li J, Baumgartner SW. Integrated safety analysis: Short- and long-term safety profiles of etanercept in patients with psoriasis. *J.Amer.Acad.Dermatol.* 67: 224-256, 2012.
55. Strober BE, Cather JC, Cohen D, Crowley JJ, Gordon KB, Gottlieb AB, Kavanaugh, Korman NJ, Krueger GG, Leonardi CL, Schwartzman S, Sobell JM, Solomon GE, Young M: A Delphi consensus approach to challenging case scenarios in moderate to severe psoriasis: Part 2, *Dermatol. Ther.*, in press, 2012

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57. Naresh Punwani, Ph.D.; Peggy Scherle, Ph.D.; Robert Flores, BSN; Jack Shi, Ph.D.; Jinjin Liang, Ph.D.; Swamy Yeleswaram, Ph.D.; Richard Levy, M.D.; William Williams, M.D.; Alice Gottlieb, M.D., Ph.D, Preliminary Clinical Activity of a Topical JAK1/2 Inhibitor in the Treatment of Psoriasis, *J Am Acad Dermatol.* 2012 Oct;67(4):658-64. doi: 10.1016/j.jaad.2011.12.018. Epub 2012 Jan 24.
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60. A B Gottlieb, MD, PhD, C Leonardi, MD, F Kerdel, MD, S Mehlis, MD⁴, M Olds, D A Williams, MD: Efficacy and Safety of Briakinumab Versus Etanercept and Placebo in Patients with Moderate to Severe Chronic Plaque, *Br. J. Dermatol*: 165: 652-660, 2011.
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Invited Publications:

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Invited Presentations

1. Invited Speaker, multiple talks at the American Academy of Dermatology Annual Meeting, March, 2014, Denver, CO
2. Invited Speaker at ADIPSO, Rome, Italy, April, 2014
3. Chair, IDEOM meeting, Rome, Italy, 2014
4. Invited Speaker, Brigham and Women's Rheumatology Grand Rounds, February, 2014.
5. Invited Speaker, NYU Grand Rounds, December, 2013, NY, NY
6. Invited Speaker, AAD Annual Meeting, March, 2013
7. Invited Speaker, EADV, Istanbul, Turkey, October, 2013.
8. Invited Speaker, Psoriasis International Meeting, Paris, France, July, 2013
9. Invited Speaker, University of Toronto and at GRAPPA, Toronto, Canada, July, 2013
10. Invited Speaker Psoriasis meeting, Naples, Italy, November, 2013
11. Invited Speaker, MA Academy of Dermatology, September, 2012, Ogunquit, ME
12. Invited Speaker IFPA, Stockholm, Sweden, June, 2012
13. Invited Speaker, AAD Summer Meeting, August, 2012, Boston, MA
14. Invited Speaker, Mt Sinai Dermatology Grand Rounds, April, 2012, NY, NY
15. Invited Speaker, AAD Annual Meeting, San Diego, March 2012
16. Invited Speaker, Winter Clinical Dermatology Meeting in Maui, Hawaii, January, 2012
17. Invited Speaker at Meet the Experts: Hawaii Case-based learning discussion, sponsored by the International Psoriasis Council, January, 2012
18. Invited Speaker, Updates in Psoriatic Arthritis and Psoriasis, Ustekinumab, Naples, Italy, July, 2011
19. Invited Speaker, SUNY StonyBrook Health Sciences, Dermatology Grand Rounds, June 1, 2011.
20. Invited Speaker Newton-Wellesley Hospital Grand Rounds, June 29, 2011
21. Invited Speaker, American Academy of Dermatology Annual meeting, Psoriatic Arthritis. New Orleans, February, 2011
22. Invited Speaker, Orlando Dermatologic and Aesthetic Conference, Orlando, FL, Jan. 15, 2011.

23. Invited Speaker, Murdough Family Center for Psoriasis 2nd Annual CME Clinical Symposium: Psoriasis multidisciplinary care in the emerging health care environment, Case Western Reserve University, September 15, 2010
24. Invited Speaker, Univ. of Virginia Rheumatology Grand Rounds, June, 2010.
25. Invited Speaker, American Academy of Dermatology, Miami, March, 2010
26. Invited Speaker, Maui Dermatology, February, 2010
27. Invited Speaker, Massachusetts General Hospital, Dermatology Grand Rounds, December, 2009
28. Invited Speaker, Northwestern Dermatology Grand Rounds, November, 2009
29. Invited Speaker, Fall Clinical Dermatology Meeting, Las Vegas, NV, October, 2009
30. Invited Speaker on psoriasis and psoriatic arthritis, Israel Dermatology and Venereology Society, Tel Aviv, Israel, October, 2009
31. Invited Speaker, International Federation of Psoriasis Associations, Stockholm, Sweden, June, 2009
32. Invited Speaker, Royal Association of Medicine, Dublin, Ireland, June, 2009
33. Keynote Speaker, DubaiDerma, Dubai, UAE, April, 2009
34. Invited Guest Speaker at the First International Psoriasis and Psoriatic Arthritis Symposium, Riyadh, Saudi Arabia, April 2009
35. Invited Speaker, American Academy of Dermatology, March, 2009
36. Invited Speaker, UC Davis Dermatology Grand Rounds, March, 2009
37. Invited Speaker, European Academy of Dermatology, Paris, 2008
38. Invited Speaker, Massachusetts Academy of Dermatology, May, 2008
39. Invited Speaker, Italian Dermatology Society Meeting on Psoriasis, Rome, Italy
40. Keynote Speaker, Atlantic Dermatologic Association, April 25, 2008.
41. Invited Speaker, International Summit on Psoriasis and Psoriatic Arthritis, Madrid, Spain, March 14, 2008.
42. Invited Speaker, ADIPSO meeting, Rome, Italy, February, 2008
43. Invited Speaker, American Academy of Dermatology Annual Meeting, San Antonio, Tx, February, 2008
44. Invited Speaker at the Fold Foundation Humanism in Medicine Discussion Series at Tufts-New England Medical Center, December 12, 2007
45. Invited speaker at the New England Dermatological Society, "Efficacy of Ustekinumab (anti IL-12p40) in Psoriatic Arthritis", Boston, MA, December 1, 2007

46. Invited speaker Psoriasis Symposium, Bari, Italy, October 14, 2007
47. Chair and speaker: "Targeting the IL-12/IL-23 cytokine family in the treatment of psoriatic disease, World Congress of Dermatology, Buenos Aires, Argentina, October, 3, 2007
48. Invited Speaker at multiple metropolitan Boston and Massachusetts dermatology meetings
49. Invited Speaker, American Dermatologic Association, Vail, Colorado, August, 2007
50. Invited Speaker, University of Maryland Dermatology Grand Rounds, August, 2007
51. Invited Speaker, European Summit on Psoriasis and Psoriatic Arthritis, Munich, Germany, March 17, 2007
52. Invited Speaker, Tidewater Dermatology Association, Norfolk, Virginia, March, 2007
53. Invited Speaker, Rheumatology Grand Rounds, Brigham and Women's Hospital, Boston, MA, February 27, 2007
54. Invited Speaker at multiple sessions at the Annual American Academy of Dermatology's meeting, Washington DC, February, 2007
55. Invited Speaker, Rheumatology Grand Rounds, Massachusetts General Hospital, Boston, MA, February 20, 2007
56. Invited Speaker, Pediatric Grand Rounds, Floating Hospital for Children at Tufts-New England Medical Center, Biologics for Psoriasis, January 24, 2007, Boston, MA.
57. Editor in Chief, Biologics in Dermatology: An interactive case-based approach. A local CME dinner meeting series across the United States, 2006
58. Invited Speaker at the Arthritis Foundation New York Chapter meeting. Psoriasis and Psoriatic Arthritis: The Dermatologist's Perspective, NY, NY, December, 2006
59. Invited Speaker at Johnson and Johnson's Corporate Office of Science and Technology's Focused Funding Program: Celebrating 25 Years of Innovation, New Brunswick, NJ, November, 2006
60. Invited Speaker, Department of Immunology, Microbiology and Genetics, Tufts University School of Medicine, November, 2006
61. Invited Speaker, University of South Florida Department of Dermatology, October, 2006
62. Invited Speaker at Baylor University's Department of Dermatology, Dallas, Tx, October, 2006
63. Invited Speaker at the International Psoriasis Council's meeting on the Metabolic Syndrome in Psoriasis and Psoriatic Arthritis, Rhodes, Greece, October, 2006.
64. Invited Speaker for Research Day at Tufts University School of Medicine, September 27, 2006
65. Visiting Professor, Dermatology Department, Mt. Sinai Medical Center, NY, NY, September, 2006
66. Invited Speaker, Massachusetts Association of Dermatology, Newport RI, September, 2006

67. Invited Speaker, New Horizons in Dermatology: Applying new data into the management of medical dermatology, Boston, MA, July, 2006
68. Invited Speaker, Anti-TNF Agents: The Latest Clinical Data in the Management of Psoriatic Diseases, NY, NY, June, 2006.
69. Invited Speaker at multiple roundtables in MA and Rhode Island, Spring, 2006
70. Invited Speaker at multiple NEQCA meetings, Spring and Summer, 2006
71. Invited Speaker, Medical Grand Rounds, VA Boston Healthcare System, West Roxbury, MA, May, 2006
72. Invited Speaker, Anti-TNF Agents: The Latest Clinical Data in the Management of Psoriatic Diseases, Boston, MA, May, 2006.
73. Invited Plenary Speaker, International Federation of Psoriasis Associations, Stockholm, Sweden, June 2006
74. Invited Speaker, Atlantic Dermatology Annual Meeting, Washington DC, April, 2006
75. Invited Speaker International, Psoriasis Council, New York, NY, February, 2006
76. Invited Speaker, Hawaii Dermatology, February, 2006
77. Invited Speaker International, Psoriasis Council, London, December, 2005
78. Invited Speaker, Mayo Clinic (Scottsdale), Rheumatology, 2005.
79. Invited Speaker, Phoenix Dermatology Society, 2005
80. Invited Speaker, European Academy of Dermatology at Venereology, London, UK, 2005
81. Invited Speaker, Alabama Dermatology Society
82. Invited Speaker, Goethe University Medical Center, Frankfurt, Germany, 2005
83. Invited Speaker, American Academy of Dermatology 2005, Chicago, NY
84. Invited Speaker, Canadian Dermatology Association, Quebec City, CA, 2005
85. Invited Speaker, International Psoriasis Symposium, Chicago, IL, 2005
86. Invited Speaker, Hawaii Dermatology, 2005
87. Invited Speaker, Advances in Targeted Therapies, Nice, France, 2005
88. Invited Speaker, Biologics Symposium, Amsterdam, NL, 2005
89. Invited Speaker, European Biologics Symposium, Athens Greece, 2005
90. Invited Speaker, American Academy of Dermatology, New Orleans, LA, 2005
91. Invited Speaker, European Academy of Dermatology and Venereology, Florence, Italy, November, 2004

92. Invited Speaker, Association of Clinical Pharmacology Units, "Proof of Concept-Psoriasis", October, 2004.
93. Invited Speaker, multiple academic medical centers in Copenhagen and Odense, Denmark, September, 2004
94. Invited Speaker, American Academy of Dermatology, July, 2004
95. Invited Speaker and Member of the Scientific Advisory Board of the International Psoriasis Symposium, Toronto, Canada, June, 2004
96. Invited Speaker at the Michigan Dermatologic Society, May, 2004
97. Invited Speaker at the American College of Rheumatology's State-of-the-Art Clinical Symposium on psoriatic arthritis and psoriasis, Chicago, IL, April, 2004.
98. Invited Speaker at Mt. Sinai Medical Center, NY, NY, March 2004
99. Invited Speaker at Duke University, March, 2004
100. Invited Speaker at the Oregon Dermatology Society, February, 2004
101. Invited Speaker at the Willamette Dermatology, February, 2004
102. Invited Speaker Oregon Health Sciences University, February, 2004
103. Invited Speaker University of Washington, February, 2004
104. Invited Speaker, Israeli Dermatology Meeting, February, 2004
105. Director of the Psoriasis Forum and Speaker at the American Academy of Dermatology, February, 2004
106. Invited speaker at the National Academy of Sciences on Interdisciplinary Education of Clinical Researchers, January, 2004
107. Invited Chairperson and Speaker at the Hawaii Dermatology Meeting, Hawaii, 2004.
108. Invited Speaker Medical Grand Rounds, St. Peter's University Hospital, New Brunswick, NJ, December 16, 2003.
109. Visiting Professor at the Mayo Clinic, Rochester, Minnesota, November 13, 2003
110. Invited speaker at the University of Minnesota's Seminars in Dermatology Series, Nov, 12, 2003
111. Invited speaker for Healthwatch's Community Outreach Program on Biologics for Psoriasis, Nov. 6, 2003
112. Chairperson for a CME Teleconference Series entitled: "Novel biologics offer hope for continuous control", Nov.-Dec., 2003.
113. Invited Speaker at the Mayo Clinic and the University of Minneapolis, November, 2003

114. Invited Speaker with multiple talks on psoriasis and psoriatic arthritis, European Academy of Dermatology and Venereology, Barcelona, October, 2003
115. Guest Lecturer at the Buffalo Rochester Dermatology Society Meeting, October, 2003
116. Invited Speaker at the Cutaneous Immune Disease: One Puzzle, Two Approaches” conference sponsored jointly by the American Academy of Dermatology and The American Academy of Allergy, Asthma and Immunology, September, 2003
117. Invited Speaker at the American Academy of Dermatology’s Summer Meeting, Chicago, IL., July, 2003.
118. Chairperson, “Biologic Therapies-Changing the Paradigm in Psoriasis and Psoriatic Arthritis, UMDNJ-CME supported educational program, Short Hills, NJ, May, 2003
119. Chairperson, “Innovations in psoriasis: Targeted T-cell therapy advances”, Miami, Fla., May 1, 2003
120. Invited speaker at “Advances in biotherapy: the pivotal role of TNF inhibition in psoriatic arthritis and psoriasis”, May 2, 2003.
121. Invited speaker at Dermatology Grand Rounds, Univ. of Vermont, May, 2003
122. 9 presentations at the International Investigative Dermatology meeting, Miami, Fla, May 2003
123. 11 presentations at American Academy of Dermatology, San Francisco, CA, March, 2003
124. Chairperson of “Use of TNF inhibitors in psoriatic arthritis and psoriasis: The role of the dermatology nurse”, at the 21st Annual Dermatology Nurses’ Association, San Francisco, CA
125. Invited speaker at Harvard University, March 2003
126. Invited speaker at the University of Pittsburgh, March 2003
127. Invited speaker at Hawaii Dermatology meeting, February, 2003
128. Invited speaker on “21st Century Health Show”, WCTC News Talk Radio 1450 AM, Feb., 2003.
129. Invited speaker at Cabrini Hospital’s Medical Rounds, January, 2003
130. Invited speaker at New York University’s Rheumatology Grand Rounds, January 2003
131. Invited speaker at the Noah Worcester Dermatological Society, Boca Ratan, Fla., January, 2003
132. Invited speaker at Beth Israel Hospital’s Medical Grand Rounds, November, 2002
133. Invited speaker at the 2002 Annual meeting of the American College of Rheumatology on psoriatic arthritis, New Orleans, October, 2002
134. Invited Presenter at an National Psoriasis Foundation Audio and Internet Conference for patients entitled: “The new world of psoriasis treatment: Could this be the answer for you?”, October, 2002

135. Invited speaker at Yale University's Dermatology Grand Rounds, October, 2003.
136. Invited speaker at the Orange County Dermatologic Society on Biologics for Psoriasis, October, 2002
137. Invited speaker at the 51st Montagna Cutaneous Biology of the Skin meeting on "Autoimmunity", Snowmass, CO, August, 2002
138. Invited speaker at "The emerging role of TNF inhibition in psoriasis and psoriatic arthritis", at the American Academy of Dermatology meeting, August, 2002
139. Invited Chairperson and speaker at the Clinical Research Session at the Society for Investigative Dermatology, May, 2002
140. Chairperson and speaker at a symposium on Biologics for Psoriasis at the Society for Investigative Dermatology, May, 2002
141. Invited speaker at the World Congress of Dermatology, July, 2002
142. Invited speaker at Rheumatology Grand Rounds, Brigham and Women's Hospital, Boston, MA, April 2002
143. Invited speaker at Rheumatology Grand Rounds, Boston University School of Medicine, Boston, MA, April 2002
144. Moderator of "Contemporary Perspectives in the Management of Dermatoses with Topical Therapy: A Focus on the Patient-a comprehensive CME teleconference series, 2002
145. Invited presentation at www.jointandbone.org, 2002
146. Invited speaker at "Progress in the Treatment of Atopic Dermatitis: A CME Teleconference, 2002
147. Invited speaker at "Contemporary perspectives in the management of dermatoses with topical therapy: A focus on the patient", 2002
148. Invited Plenary session speaker at the American Academy of Dermatology, February, 2002
149. Invited Speaker at the Dermatology Nurses' Association, February, 2002
150. Invited Speaker and Moderator at the American Academy of Allergy, Asthma and Immunology, March, 2002
151. Invited speaker at the Hospital for Special Surgery Grand Rounds, December, 2001
152. Invited speaker at University of Alabama's Dermatology Grand Rounds, December, 2001
153. Invited speaker at Harvard Medical School's Dermatology Grand Rounds, September, 2001
154. Invited speaker at the Massachusetts Academy of Dermatology, September, 2001
155. Invited speaker at the International Psoriasis Symposium, June, 2001

156. Invited speaker at the FOCIS meeting (national meeting of Clinical Immunology Investigators), May, 2001
157. Invited to direct the Psoriasis Forum and to speak at the American Academy of Dermatology, Washington DC, March 2001
158. Invited speaker at the New Jersey Skin Club, January, 2001
159. Invited speaker at the Southern New Jersey Regional Arthritis Center CME meeting, November, 2000
160. Invited speaker at the New Jersey Rheumatological Society, November, 2000
161. Invited speaker at the American College of Rheumatology, Biologics Study Group, October, 2000
162. Invited speaker at the Toronto Dermatology Society, Toronto, CA, October 6, 2000.
163. Invited Speaker Pacific Northwest Dermatology Society, July, 2000
164. Invited Speaker at the American Academy of Dermatology, San Francisco, CA, multiple lectures on psoriasis clinical research, March, 2000
165. Invited Speaker at New York Medical College Dermatology Grand Rounds, "Role of T Cells in Dermatology", March, 2000
166. Invited Speaker at the Focused Giving Scientific Symposium, November 30, 1999, sponsored by Johnson and Johnson and attended by over 250 scientists
167. Invited Speaker at Brown University's Dermatology Clinical Conference, November, 1999.
168. Invited Speaker at the National Psoriasis Foundation community education meeting in NYC 11/17/99.
169. Invited Speaker at Dermatology Grand Rounds, New York University, "Biotechnology delivers new hope for patients with moderate to severe psoriasis", October, 1999.
170. Invited Speaker at the H & H Dermatology Seminar, 3 lectures of research in psoriasis, Santa Fe, NM, October, 1999.
171. Invited Speaker at the Licensing Executives Society and Association of University Technology Managers Summer 1999 Meeting, "Facilitating Partnerships in Clinical Trials, Philadelphia, PA
172. Course Director, Psoriasis Symposium, American Academy of Dermatology Summer Meetings, July 29, 1999, New York, NY
173. Organizing Committee, Session Chair and Speaker at "Advances in the Biology and Treatment of the Skin, June 23-25, 1999, Piscataway, NJ
174. Invited Speaker, American Academy of Dermatology, March, 1999.
175. Invited Speaker, Dead Sea Psoriasis Treatment Center, Israel, March, 1999.

176. Invited Speaker-presentation on Immunology Clinical Research, Brandeis University, Waltham, MA, February, 1999.
177. Invited Speaker, two talks on psoriasis therapy, University of Madrid, Spain, January, 1999.
178. Invited Speaker at Dermatology Grand Rounds at Dartmouth Mary Hitchcock Medical Center, New Hampshire, October, 1998.
179. Invited Speaker at the 30th Anniversary Conference of the National Psoriasis Foundation, New York, NY, October, 1998.
180. Chairperson and invited Speaker, IBC symposium on Inflammatory Skin Disorders, September, 1998
181. Course Director, Psoriasis Symposium, American Academy of Dermatology, August, 1998.
182. Invited Speaker at the Technion in Haifa, Israel on the topic of Psoriasis, April, 1998.
183. Invited speaker and Course Director for 3 lectures at the American Academy of Dermatology, February, 1998.
184. Invited Speaker at Research Opportunities for Trainees: Symposia and Workshops, January 23, 1998
185. Invited Speaker at Valley Hospital, Ridgewood, NJ on the topic of Psoriasis, December, 1997.
186. Invited Speaker at Raritan Bay Medical Center, NJ on the topic of Psoriasis, November, 1997
187. Invited Speaker at the H and H Dermatologic Education Fdn. Meeting, on the topic of Psoriasis, Santa Fe, NM, October, 1997
188. Invited Speaker at the Monmouth Medical Center, NJ on the topic of Psoriasis, September, 1997.
189. Invited Speaker at the Toronto Dermatologic Society and 19th Post-Graduate Dermatology Seminar, on the topic of Psoriasis, September, 1997.
190. Invited Speaker at the 13th Annual Dermatologic Conference entitled "Insights into Global Skin Care", New Brunswick, NJ, June, 1997.
191. Invited Speaker at the Chicago Dermatological Society on the topic of Psoriasis, May, 1997.
192. Invited Speaker at Janssen Pharmaceuticals-sponsored Medical Grand Rounds, May, 1997.
193. Invited Speaker at the 40th anniversary meeting of the Department of Dermatology at the University Hospital in Nijmegen, The Netherlands, April, 1997

194. Invited speaker at the Dermatology conference of The Amsterdam Medical Center, April, 1997
195. Invited Speaker at Dermatology Grand Rounds, Dartmouth Medical School-Hitchcock Medical Center, April, 1997
196. Invited Speaker at New York Medical College Department of Dermatology Grand Rounds, March 1997-"Immunological Mechanisms of Pathogenesis in Psoriasis: Challenges and Opportunities for Drug Development".
197. Invited speaker at Dermatology Grand Rounds on the topic of psoriasis, Albert Einstein School of Medicine, January, 1997.
198. Invited Speaker at a public seminar for information on the Skin Laser Center of RWJUH, January 29, 1997.
199. Invited participant in the January Program for Accepted Students, UMDNJ--Robert Wood Johnson MS, January 3, 1997,
200. Invited Speaker at the College of Physicians of Philadelphia on the topic of Psoriasis, December, 1996.
201. Chairperson and Invited speaker at a second meeting sponsored by International Business Communications entitled "Psoriasis", November, 1996
202. Invited speaker at meeting entitled: "Issues and controversies in ob-gyn", November 1996
203. Invited speaker at Medical Grand Rounds, St. Peter's Hospital, November, 1996.
204. Invited speaker at the Women's Wellness Center Seminar, November, 1996.
205. Invited speaker at Rutgers Student Health Services on "Psoriasis"
206. Course Director and Speaker at CME-accredited meeting entitled "Dermatology for the Primary Care Physician", October 17, 1996 at UMDNJ-RWJMS.
207. Course Director and Speaker at CME-accredited meeting entitled "Treatment of Moderate to Severe Psoriasis", October 24, 1996 at UMDNJ-RWJMS
208. Invited Speaker at the New Jersey Dermatologic Society, "Psoriasis: Clinical Opportunities and Challenges", Oct. 8, 1996
209. Invited speaker at the Philippine-American Medical Society of New Jersey, July, 1996 on "Dermatology for the non-dermatologist"
210. Invited speaker at meeting entitled: "Advances in the biology of the skin: Pharmacology and toxicology, June, 1996.
211. Invited speaker at Medical Grand Rounds, UMDNJ-RWJMS, June, 1996.
212. Invited speaker at Dermatology Department's Symposium on Psoriasis, University of Pennsylvania, June, 1996
213. Invited speaker at Pediatric Grand Rounds, UMDNJ-RWJMS, May, 1996

214. Invited speaker at Grand Rounds, Patterson Army Community Hospital, May, 1996.
215. Invited speaker at course sponsored by the College of Pharmacy at Rutgers University entitled Skin Product Development, April, 1996
216. Invited speaker at conference entitled "Practical Primary Care of Your Female Patients", April, 1996
217. Invited speaker at Dermatology Grand Rounds, New York University, NY, NY, April, 1996
218. Invited speaker at Dermatology Grand Rounds, Mt. Sinai Medical Center, NY, NY, March, 1996.
219. Invited speaker at Gastroenterology Grand Rounds, UMDNJ-Robert Wood Johnson Medical School, December, 1995
220. Invited speaker at the National Psoriasis Foundation, November, 1995.
221. Invited speaker at a Seton Hall University sponsored course on the role of women in medicine and dentistry,
222. November, 1995
223. Invited speaker at a UMDNJ-RWJMS sponsored, CME audioconference on "Cutaneous Diseases in
224. Immunocompromised Patients", November, 1995
225. Invited speaker at Psoriasis conference sponsored by International Business Communications, December, 1995
226. Invited speaker at a Dermatologic Conference entitled: Insights into dermatologic drug development: Linking
227. bioavailability, bioequivalency and therapy, Oct., 1995
228. Invited speaker at the National Psoriasis Foundation, June, 1995.
229. Invited speaker at Global Business Research sponsored meeting "Cytokines in Dermatology, May, 1995.
230. Invited speaker at PhRMA sponsored course on Drug Development in Dermatology, January, 1995.
231. Invited speaker at the Sixth International Psoriasis Symposium, Plenary Session "Effect of Retinoids on Epidermal
232. Keratinocytes and Immune Activation in Skin", July, 1994.
233. Invited speaker at National Psoriasis Foundation-sponsored workshops on the treatment of moderate-to-severe
234. psoriasis-April, 1993 and April, 1994.
235. Invited speaker at Rockefeller University Medical Research Lecture Series, March, 1993.
236. Invited speaker at Albert Einstein College of Medicine Dermatology Grand Rounds, February, 1993.

237. Invited speaker at Stanford University, Department of Dermatology, January, 1993.
238. Invited speaker at the American Academy of Dermatology, San Francisco, CA, December, 1992.
239. Invited speaker at New York University, Department of Dermatology, Howard Fox Guest Lecturer, November, 1992.
240. Invited speaker at SUNY Stony Brook, Department of Dermatology Grand Rounds, November, 1992.
241. Invited speaker at Hahnemann University, Department of Medicine, November, 1992.
242. Invited speaker at Columbia University, Department of Dermatology, October, 1992.
243. Invited speaker at Johns Hopkins University, Department of Dermatology, Grand Rounds, June, 1992.
244. Invited speaker at the World Congress of Dermatology, New York, NY 1992
245. Invited speaker at the American Academy of Dermatology, December, 1991.
246. Invited speaker at the second Psoriasis Workshop: Molecular, Immunologic and Pharmacologic Aspects of Psoriasis,
247. sponsored by the National Psoriasis Foundation and the National Institute of Arthritis, Musculoskeletal and Skin
248. Diseases, September, 1991.
249. Invited speaker, Immunology Rounds, The New York Hospital, May, 1991.
250. Invited speaker, Downstate Medical Center Immunology Seminar, April, 1991.
251. Invited Faculty, Fifth International Psoriasis Symposium, San Francisco, NY, July, 1991.
252. Invited speaker at Rheumatology/Allergy-Clinical Immunology Grand Rounds, North Shore University Hospital,
253. Manhasset, NY, March, 1991.
254. Invited speaker at Dermatology Grand Rounds at Mount Sinai Hospital, NY, NY, October, 1990.
255. Invited speaker at the American Academy of Dermatology, December, 1989.
256. Invited speaker at the 39th Symposium on the Biology of Skin, sponsored by the Cutaneous Biology Foundation, Inc.,
257. September, 1989.
258. Invited speaker at the Psoriasis Workshop: Molecular, Immunologic and Pharmacologic Aspects of Psoriasis,
259. sponsored by the National Psoriasis Foundation and the National Institute of Arthritis, Musculoskeletal and Skin
260. Diseases, September, 1989.
261. Invited speaker at conference entitled: Growth Factors for Wound Healing, "Recent clinical successes in treating non-

262. healing wound with unpurified growth factor mixtures", October, 1988, New Haven, Ct..
263. Invited speaker at a workshop on the Immunological Aspects of Psoriasis sponsored by
the National Psoriasis
264. Foundation, Los Angeles, CA; June, 1988.
265. Invited speaker at Grand Rounds, The Hospital for Special Surgery, April, 1988.
266. Invited speaker at Immunology Rounds, The New York Hospital, February, 1988.
267. Invited speaker at meeting, "Beyond occlusion, an environment for recovery". The paper
was entitled "Efficacy of an
268. occlusive hydrocolloid dressing in the treatment of psoriasis", Paris, France, November,
1987.
269. Invited speaker at the Immunology Seminar at the Mount Sinai Medical Center,
November 1987.
270. Invited speaker at Dermatology Grand Rounds, Downstate Medical Center, Brooklyn,
N.Y., April 29, 1987,
271. Invited speaker at conference entitled: "The Therapeutic Applications of a New
Hydrocolloid Dressing", New Orleans,
272. LA, December, 1986.
273. Invited speaker at Grand Rounds, The Hospital for Joint Diseases, New York, NY,
October 27, 1986.
274. Invited speaker at Grand Rounds, The Hospital for Special Surgery, New York, NY, July
16, 1986.
275. Invited speaker at the New York Alopecia Areata Foundation: "Frontiers of Research in
Alopecia Areata," April, 1986.
276. Invited speaker at Dermatology Grand Rounds, The New York Hospital, NY, February 12,
1985.
277. Invited lecture at the 43rd annual meeting of the American Academy of Dermatology:
"Use of monoclonal antibodies to
278. identify cells of the skin," 1984.
279. Participant, Graduate Student Panel, The Rockefeller University Council, June 9, 1977.
280. Gottlieb AB, Engelhard M, Kunkel HG: An unusual Ig (kappa) antigen on the membrane
of T and B lymphocytes.
281. Presented at the XLI Cold Spring Harbor Symposium on Quantitative Biology--Origins of
Lymphocyte Diversity. 1976.

Service on National/International Committees:

- 2014- Member, Editorial Board, Dermatologic Therapy
- 2012- Member, Ad Hoc Task Force on Perceptions of Dermatology (AHTF), AAD
- 2012- Member, Research Agenda Committee, American Academy of Dermatology
- 2012- Member, Poster Review Task Force, American Academy of Dermatology

2011-	Member, Editorial Board, Current Dermatology Reports
2011-2015	Board of Directors, American Academy of Dermatology
2008	Editorial Advisory Board, Skin and Allergy News
2007-	Member, Medical Advisory Board, National Psoriasis Foundation
2006-	Member, Psoriasis Work Group, American Academy of Dermatology
2006-2008	Chair of the PsoriasisNet Work Group of the American Academy of Dermatology
2005-	Co-Chair, Scientific Advisory Committee, NEASE
2005-	Councilor, International Psoriasis Consortium (an international group devoted to psoriasis research and education)
2004	Participant in OMERACT, 2004-Group which establishes criteria of clinical response to therapy in rheumatology
2004-2005	President, Medical Dermatology Society
2004	Member of Advisory Board of "Inspiring Care", a psoriasis patient support group
2004	Chairman, Advocacy Committee of the National Psoriasis Foundation's Medical Board
2004	Member, Steering Committee of GRAPPA (an international psoriatic arthritis workgroup)
2003	Member of the American Academy of Dermatology's Psoriasis Work Group-this committee will prepare guidelines for care for psoriasis
2002-	Member of the Ad Hoc Talk Force: Psoriasis Education Initiative, of the American Academy of Dermatology
2000-2002	Member of the Executive Committee of the New Jersey Clinical Pharmacology Discussion Forum
2000-2003	Member of the Board of Directors of the Women's Dermatologic Society
1999-00	Chairman, Networking Committee of the Women's Dermatologic Society
1997-2002	Member of the Psoriasis Task Force of the American Academy of Dermatology
1997-2000	Member of the Networking Committee of the Women's Dermatologic Society
May 1996-present	Women Liaison Officer to the Association of American Medical Colleges representing the Association of Professors of Dermatology
1990-1996	Member of Medical Advisory Board of the National Psoriasis Foundation

Service on Tufts Medical Center Committees:

2009	Faculty presenter at the Dermatology Interest Group - October 14, 2009
2008-	Faculty Advisor at TUSM
2007-	Member, Financial Principles Committee, PT-NEMC
2006-2008	Member, Research Executive Committee
2006-	Member, Clinical Research Committee

Previous Positions:

Sept. 1997-Jan. 31, 2006	Division Chief of Clinical Pharmacology, UMDNJ-Robert Wood Johnson Medical School, New Brunswick, NJ
July 1995-Jan. 31, 2006	Director, Psoriasis Center of Excellence, UMDNJ-Robert Wood Johnson Medical School
July, 1999-Jan. 31, 2006	Professor of Medicine, UMDNJ-Robert Wood Johnson Medical School
January 25, 2006- present	Clinical Professor in the Dept. of Dermatology and the Dept. of Molecular Genetics, Microbiology and Immunology at UMDNJ-RWJMS, New Brunswick, NJ

Associated Appointments (also at UMDNJ-Robert Wood Johnson Medical School:

- **Mentoring Coordinator of Junior Faculty in the Department of Medicine**
- **Professor in the Department of Molecular Genetics, Microbiology and Immunology; Member of the Graduate Program**
- **Associate Chair for Research in the Department of Medicine**

Highlighted Accomplishments:

- Best Doctors in America 2005-2006 award
- Helped initiate, obtain university approval of and pilot commercial IRB use by UMDNJ
- Initiated and obtained funding for a Clinical Immunology training fellowship in the Division of Clinical Pharmacology
- Initiated, obtained funding for a Pharmaceutical Physician Training fellowship in the Division of Clinical Pharmacology
- Director of the FOCIS-designated, Clinical Immunology Center of Excellence (FOCIS = Federation of Clinical Immunology Societies), awarded in recognition of research excellence in Clinical Immunology
- Medical school's representative to USP
- Chosen to present on the topic of cooperative clinical research to the National Academy of Science's Interdisciplinary Education Committee, Washington, DC, 2004.
- Successfully re-engineered Clinical Research Center and brought it entirely under medical school control. This resulted in the ability to hire highly qualified study coordinators and administrators, to increase the number of pharmaceutical studies at the CRC, increase the number of physician faculty doing clinical research and rescue the CRC from bankruptcy.
- Established the Psoriasis Center of Excellence, an internationally-recognized resource for psoriasis and psoriatic arthritis research
- Winner of the 2003 Association of Healthcare Executives of New Jersey Distinguished Service Award
- The only full-time RWJMS, faculty member elected into our Alpha Omega Alpha Medical Honor Society, 2004, in recognition for outstanding medical student teaching
- Award from the American Chemistry Society for Minority Mentoring in Science (SEED program), 2004
- Recipient of the American Skin Association's Psoriasis Research Achievement Award in recognition of my "important contributions to the scientific understanding of psoriasis", 2001
- Research Mentorship Award from the Internal Medicine House staff at UMDNJ-Robert Wood Johnson Medical School, 2000
- Mentor for the Minority Medical Student Mentor Program of the American Academy of Dermatology
- Member of multiple medical school committees including the Department of Medicine's Research Strategic Planning and Appointments and Promotions Committees
- Listed in New York Magazine (June 13, 2005) as one of the "Best Doctors" in New York
- Listed by Castle Connolly as one of the "Best Doctors in the NY Metro Area", 2005
- Listed by New Jersey Monthly as a Top Doctor in NJ, 2005.
- Included in Who's Who in American Education, 7th edition, 2006-2007
- Selected for Who's Who in America 2006-2007
- Selected for Who's Who in American Women 2006-2007
- Listed as one of the Leading Health Professionals of the World, by the International Biographical Centre, Cambridge, England, 2005
- Listed in Who's Who in Medicine and Healthcare 2004-2005 Edition
- Listed in Who's Who in America, 2005 Edition
- Listed in Who's Who of American Women, 2004-2005 edition

- Received “Top Doctors: New York Metro Area” designation by Castle Connolly Medical Ltd, 2004-2005
- Received “Best Doctors in New York” designation by Castle Connolly, 2004
- Featured in Women Doctors Guide to Health and Healing: 200 Top Women Doctors Give You Their Best Advice for Preventing Illness and Treating Health Concerns, Oxmoor House, Birmingham, Alabama, 2003
- Visiting Professor at the Mayo Clinic Department of Dermatology, Rochester, Minnesota, November. 2003
- Featured on front page of Home News Tribune, 10.29.03 for my work and that of the Psoriasis Center of Excellence
- Received “Best Doctors in America” 2003-2004 award
- Selected by Castle Connolly Medical Ltd. To be included in: “Top Doctors: New York Metro Area, 2003
- Selected for inclusion in “Who’s Who in America” 58th Edition, 2003
- Quoted in New York Times and Barron’s, 2003 regarding biologics for psoriasis.
- Selected for inclusion in “Who’s Who in America”, 2002
- Yale Dermatology Visiting Professor, October 22-23, 2002
- Elected for Membership in the American Dermatological Association in 2002-a select group of leaders in dermatology
- Selected for inclusion in “Who’s Who of American Women”, 2002
- Selected by Best Doctors, Inc. to be included in “Best Doctors for 2001-2002”
- Chosen by Castle Connolly Medical, Ltd. To be listed as one of the best doctors in the state in New Jersey Monthly’s November, 2001 issue
- The New York Times, Wall Street Journal, San Francisco Chronicle and Barron’s featured my work in June and July, 2001; 2001
- Selected by Castle Connolly Medical Ltd. To be included in: “Top Doctors: New York Metro Area”, 2001
- Elected to membership in the Noah Worcester Dermatological Society, 2000
- The New York Times featured my work in biotechnological treatments for psoriasis, June 1, 2000
- Included in 2000-2001 Millennium Edition of Strathmore’s WHO’s WHO
- Feature article on my work in "Star Ledger", 9/23/99
- Selected by New York Magazine as one the “Best Doctors in New York”, 1999
- Invited Speaker at the 25th Reunion of the Tri-Institutional Rockefeller/Cornell/Memorial Sloan Kettering MD-PhD Program, 1999
- Selected by New Jersey Monthly as one of the "Top Docs" in New Jersey, 1998
- Selected to be included in "Best Doctors in America", 1998
- Selected to be included in "How to Find the Best Doctors in the Metro New York Area", 1998
- Recipient of Johnson and Johnson COSAT Award-1997-1999 (provided peer reviewed funding for research).
- Professor Pro Tempore, Department of Dermatology, Mt. Sinai School of Medicine, March 28, 1996
- Selected to be included in the first edition of The Best Doctors in America: Northeast Region (1996-1997).

Sept. 1997-Nov. 2005 WH Conzen Chair in Clinical Pharmacology and Director of the Clinical Research Center at the University of Medicine and Dentistry of New Jersey (UMDNJ)-Robert Wood Johnson Medical School

July,1995-Nov. 1999 Chief of the Division of Dermatology in the Department of Medicine at the University of Medicine and Dentistry of New Jersey (UMDNJ)-Robert Wood Johnson Medical School and Chief of Dermatology

Highlighted Accomplishments:

- Recruited and help set up Dermatosurgery and Cosmetic Dermatology unit
- Established nationally-recognized psoriasis research center at RWJMS
- Established first Dermatology basic research laboratory in RWJMS history
- Successfully re-engineered Dermatology Division into the first full-time academic, dermatology division at RWJMS
- One of the founders of the New Jersey Skin Club, which has brought together clinical, basic and pharmaceutical scientists with an interest in cutaneous biology

July, 1993-July, 1995 Associate Medical Director, International Clinical Research, Hoffmann-La Roche Inc.

Highlighted Accomplishments:

- Clinical Leader in charge of worldwide development of an anti-rheumatoid arthritis drug
- Information Broker of NDA Expert System. This initiative updates and communicates international regulatory guidelines and relevant Roche experience to drug development teams at Hoffmann-La Roche, Inc.
- Group Leader in Dermatology in charge of US Clinical Dermatology, International Clinical Research, Hoffmann-La Roche, Inc.
- Member of multiple advisory boards and/or consultant to numerous pharmaceutical companies
- Clinical Leader (Physician in charge of worldwide development) of an anti-rheumatoid arthritis biologic
- Clinical Leader (Physician in Charge of worldwide development) of a Vitamin D Analogue for Dermatologic Disease
- Presented to and obtained unanimous approval from the Acitretin FDA Advisory Panel, Feb. 16, 1994
- Group leader of US Clinical Dermatology, Hoffmann-La Roche
- Information Broker of the NDA Expert System. This initiative updates and communicates international regulatory guidelines and relevant Roche experience to drug development teams at Hoffmann-La Roche Inc.
- Multiple activities in clinical, pre-clinical, marketing and managerial initiatives at Hoffmann-La Roche
- Elected to the Executive Development Program at Hoffmann La Roche

April, 1990-, March, 1993 Dermatology Residency (Academic Track), New York Hospital, NY, NY
July, 1982--June, 1993 Physician, The Rockefeller University Hospital
July, 1989-June, 1993 Associate Professor, The Rockefeller University
July, 1982-July, 1989 Assistant Professor, The Rockefeller University

Highlighted Accomplishments:

- Please refer to summary above
- Daniel Fraad Scholar in Medicine (endowed fellowship at The Rockefeller University)
- Geriatric Leadership Academic Award Lecturer from the Albert Einstein College of medicine-Montefiore Medical Center Inter-institutional Program in Aging, 1992
- Visiting Professor, Department of Dermatology, Johns Hopkins University, June 24, 1992
- Visiting Professor, Department of Dermatology, New England Medical Center, Apr 6. 1992
- Dermatology Foundation's 1989 National Psoriasis Foundation Research Grant
- Hartford Foundation Fellowship for Biomedical Research, 1982-85

July, 1982-June, 1984 Rheumatic Diseases Fellow, The Hospital for Special Surgery, New York, NY
June, 1980-June, 1982 Medical Resident, The New York Hospital, New York, NY

Education

July, 1973-June, 1980	The Rockefeller University-MD-PhD Program
• 1979	PhD The Rockefeller University
• 1980	M.D. Cornell University Medical College
Sept., 1969-June, 1973	B.A. Brandeis University, Summa cum laude with Honors in Chemistry, Phi Beta Kappa (Junior Year visiting at the University of California at Santa).

Highlighted Accomplishments:

1980	The Sarah O'Laughlin Foley Prize in Clinical Medicine
1977	Lange Book Award--academic award, Cornell University Medical College
1973	Louis Dembitz Brandeis Scholarship
1973	Dr. Joseph Garrison Parker Endowment Fund Prize

Certification

1982	The American Board of Internal Medicine
1984	The American Board of Internal Medicine (Rheumatology)
1993	The American Board of Dermatology

Licenses:

Massachusetts State License:	#227191
New Jersey State License:	#62169 (inactive)
New York State License:	#146528
Connecticut State License:	#028898

Memberships

American Dermatological Association
 Noah Worcester Dermatological Society
 Massachusetts Academy of Dermatology
 Massachusetts Medical Society
 New England Dermatologic Society
 Massachusetts Medical Society
 National association of Professional Women
 Society for Investigative Dermatology
 American Academy of Dermatology
 Association of Professors of Dermatology
 American College of Rheumatology
 Women's Dermatologic Society
 The Henry Kunkel Society

Editorial Positions:

2009	Editorial Advisory Board, Advances in Psoriasis and Inflammatory Skin Diseases
2009-	Editorial Advisory Board, Skin and Allergy News
2004-present	Editorial Board, Clinical Immunology Reviews
2001-2004	Dermatology Section Editor, Clinical Immunology

2001-present	Editor, Psoriasis Forum
2001-present	Editorial Board of the American Journal of Clinical Dermatology
2000-2005	Editorial Board of the Journal of Cutaneous Medicine and Surgery
1993-2007	Editorial Board of the Journal of the American Academy of Dermatology
2014-	Associate Editor, International Journal of Women's Dermatology

Community and Other Medical School Service:

- Presented at ADIPSO, the Italian psoriasis and psoriatic arthritis patient support group's national meeting, 2010, 1012, 1014.
- As a cellist in the Cambridge Symphony Orchestra performed concerts at the Perkins School for the Blind at Senior Citizen's homes
- Presented at Boston chapter of the National Psoriasis Foundation Patient Support Group, Nov, 2010
- Designed and obtained funding for a Community Dermatologists' CME Outreach Program, 2009-2010
- Outreach program for patients with psoriasis, psoriatic arthritis, rheumatoid arthritis, Crohn's disease, Burlington, MA, March 24, 2007
- Free Skin Cancer Screening Clinics at The State House, Boston, MA, Gillette Co., Boston, MA and Tufts-NEMC, Boston, MA
- Physician member of the Boston Psoriasis and Psoriatic Arthritis Patient Support Group
- Member, Managed Care Committee, RWJMS
- Multiple patient outreach programs nationally and internationally
- Active in Millburn High School music and athletic activities
- Active in National Psoriasis Foundation and other psoriasis patient education and advocacy groups