

## **Johann Eli Gudjonsson, M.D., Ph.D.**

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Department of Dermatology  
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### **Education and Training**

06/1998 M.D.: (Cand. Med Et Chir), University of Iceland, Medical School  
11/2003 Ph.D. Thesis: "Psoriasis: Genetics, clinical features and pathogenesis".  
Advisor: Dr. Helgi Valdimarsson. University of Iceland, Medical School.  
06/2003-06/2004 Dept. of Internal Medicine, University of Michigan, Ann Arbor, Michigan  
06/2004-12/2007 Residency in Dermatology, Research Track, Dept. of Dermatology University  
of Michigan, Ann Arbor

### **Certification and Licensure**

06/1998 Candidatus chirurgiae et medicinae, University of Iceland, Medical School  
2008 Board Certified Dermatologist (American Board of Dermatology)  
01/2012 State of Michigan Physician License & Board of Pharmacy Controlled  
Substance License

### **Academic, Administrative, and Clinical Appointments**

#### Academic Appointments

06/1998-06/2003 Researcher, Dept. of Immunology, National University Hospital of Iceland  
06/1998-06/2003 Researcher, Dept. of Medicine, National University Hospital of Iceland  
01/2008-present Clinical Lecturer, Department of Dermatology, University of Michigan

#### Administrative Appointments

1996 Member of the board of the University of Iceland Medical School Research  
Committee  
1996-1997 Editor of "Læknaneminn" (The Medical Student), a biannual Icelandic  
medical journal  
1997-2003 Co-Investigator; Genetic Basis of Psoriasis, with deCODE genetics Co-  
Investigator  
2000 Co-Investigator; MBL (mannose binding lectin)-infusion, phase I study  
2001-2002 Member of the board of the Medical Association of Reykjavik  
2001-2002 Vice-president of the Icelandic Resident Association  
2002-2003 President of the Icelandic Resident Association  
2002-2003 Board member of the Medical Council of the National University Hospital of  
Iceland

2002-2003 Founder and editor of the Icelandic resident ([www.unглаeknar.is](http://www.unглаeknar.is)) webpage  
2006 Scientific Advisor to the National Psoriasis Foundation  
2008-present Supervisor, Inpatient Dermatology consultation service, University of Michigan Department of Dermatology

## Research Interests

Psoriasis  
Immunological Skin Diseases  
Genetic Basis of Complex Disorders

## Grants

### *Past Grant Awards*

2005 Dermatology Foundation, Research Fellowship Award: “Novel Xenotransplantation Model in Psoriasis” PI: JT Elder \$30,000  
2006 American Skin Association, Research Grant: “Novel Xenotransplantation Models in Psoriasis” PI: JT Elder \$15,000  
2008 Dermatology Foundation Research Grant: “Biological Effects of Genetic Variation in the IL12B and IL23R Genes in Psoriasis” PI: JE Gudjonsson \$20,000  
2008-2010 American Skin Association Research Scholar Award: “Biological Effects of Genetic Variation in the IL12B and IL23R Genes in Psoriasis” PI: JE Gudjonsson \$150,000

## Honors and Awards

2003 Icelandic Ministry of Education, Biannual Medical Sciences Young Researcher Award  
2005 Dermatology Foundation, Research Fellowship Award: “Novel Xenotransplantation Model in Psoriasis”  
2005 Invited participation in the Resident Retreat For Future Academicians, Society for Investigative Dermatology  
2006 Nominated by the National Psoriasis Foundation as a Scientific Advisor to NIAMS  
2006 Michigan Dermatologic Society, Resident Research Award  
2006 American Skin Association, Research Grant: “Novel Xenotransplantation Models in Psoriasis”  
2007 Resident Clinical Research Award, 3<sup>rd</sup> place, North American Clinical Dermatologic Society  
2007 European Society for Dermatological Research /Society for Investigative Dermatology Young Investigator Collegiality Award  
2007 Young Investigator Award, American Academy of Dermatology  
2008 Dermatology Foundation Research Grant  
2008-2010 American Skin Association Research Scholar Award

## **Memberships in Professional Societies**

2004-present	American Academy of Dermatology
2004-present	Dermatology Foundation
2006-present	Society for Investigative Dermatology
2006-present	International Society of Dermatology
2007-present	Medical Dermatology Society
2007-present	European Society for Investigative Dermatology

## **Editorial Positions, Boards, and Peer-Review Service**

2003	British Journal of Dermatology
2004	Journal of the European Academy of Dermatology and Venerology
2004	American Journal of Clinical Dermatology
2005	Journal of Investigative Dermatology
2005	Journal of Clinical Investigation
2005	Clinical and Experimental Dermatology
2006	Acta Dermato-Venereologia
2006	Journal of Immunology
2006	Nature Medicine
2006	Nature Genetics
2006	International Journal of Dermatology
2006	Archives of Dermatological Research
2007	Drug Discovery Today
2007	Journal of Dermatological Science
2007	American Journal of Pathology
2007	Faculty of 1000 Medicine: Psoriasis & other inflammatory diseases
2008	PLoS Genetics
2008	Tissue Antigens
2008	Scandinavian Journal of Rheumatology
2008	Cancer
2008	Grant review, Medical Research Council (United Kingdom)
2008	Yonsei Medical Journal
2008	Open Dermatology Journal
2008	The Open Dermatology Journal - editorial advisory board
2008	Reuters Insight Expert
2009	BioMed Central
2009	Genes and Immunity
2009	Grant review, Netherlands Genomics Initiative – Hormizon Programme (Netherlands)

## **Teaching**

- 1999-2003 Immunology teaching to medical students  
 2002-2003 Supervision of various research projects at the dept of Immunology: The role of the tonsils and tonsillitis in the induction of skin diseases  
 2004-present Resident and Medical Student teaching, University of Michigan Department of Dermatology

## Mentoring

### University of Iceland Trainees

- 2004 Magali Mouy: Masters degree trainee, thesis committee  
 2006 Sigrun Laufey Sigurdardottir: Ph.D. degree trainee, thesis committee  
 2007 Ragna Hlin Thorleifsdottir: Ph.D. degree trainee, thesis committee

### University of Michigan

- 2006-2007 Abhishek Aphale, M.D., Training and supervision

## Extramural Invited Presentations

- 06/2001 2nd Joint Meeting of the International Psoriasis Symposium and European Congress on Psoriasis, "Methotrexate Inhibits The Expression of ICAM and CLA by T Cells in Vitro through Different Pathways": *JE Gudjonsson*, H Sigmundsdottir, BR Ludviksson, H Valdimarsson; San Francisco, CA,  
 06/2001 2nd Joint Meeting of the International Psoriasis Symposium and European Congress on Psoriasis, "HLA-Cw6 Positive And Negative Patients With Psoriasis Vulgaris Have Distinctly Different Clinical Features": *JE Gudjonsson*, A Kárason, A Antonsdóttir, H Runarsdóttir, J Gulcher, K Stefansson, H Valdimarsson; San Francisco, CA  
 07/2001 11th International Congress of Immunology, "HLA-Cw6 Positive and Negative Patients With Psoriasis Vulgaris Have Distinctly Different Clinical Features": *JE Gudjonsson*, A Kárason, A Antonsdóttir, H Runarsdóttir, J Gulcher, K Stefansson, H Valdimarsson; Stockholm, Sweden  
 04/2002 NPF Psoriasis Genetic Meeting, "Clinical Features of Psoriasis in Context of Genetic Mapping": *JE Gudjonsson*, A Karason, A Antonsdóttir, H Rúnarsdóttir, VB Hauksson, R Upmanyu, I Nachmias, J Gulcher, K Stefansson, H Valdimarsson; Nice, France  
 11/2002 Psoriasis: From Gene to Clinic, "Streptococcal Throat Infections Cause Exacerbation of Chronic Plaque Psoriasis - A Prospective Study": *JE Gudjonsson*, AM Thorarinsson, B Sigurgeirsson, KG Kristinsson, H Valdimarsson; London, England  
 05/2004 Biogen-IDEC Resident/Fellow Conference on Psoriasis, "Distinct Clinical Differences between HLA-Cw\*0602 Positive and Negative Psoriasis Patients: Potential Pharmacogenomic and Immunopathogenic Variations Might be Useful in Predicting Therapeutic Responses to Biologic Agents", Dallas, TX

- 06/2006 Michigan Dermatologic Society, "Global Gene Expression Analysis of Psoriasis Reveals Differences Between Normal and Uninvolved Skin." Resident Research Award, Ann Arbor, Michigan
- 02/2007 American Academy of Dermatology, "Syringotropic cutaneous T cell lymphoma", Washington DC

## Bibliography

### *Peer-Reviewed Journals and Publications*

1. Clin. Exp. Immunolog. 2001; 126:365-369. "The Frequency of CLA+ CD8+ T Cells in the Blood of Psoriasis Patients Correlate Closely with the Severity of Their Disease". H. Sigmundsdottir, *JE Gudjonsson*, I Jonsdottir, BR Ludviksson, H Valdimarsson.
2. J. Invest. Dermatol 2002 Feb;118:362-365. "HLA-Cw6-Positive and HLA-Cw6-Negative Patients With Psoriasis Vulgaris Have Distinct Clinical Features". *JE Gudjonsson*, A Karason, AA Antonsdottir, EH Runarsdottir, JR Gulcher, K Stefansson, H Valdimarsson.
3. American Journal of Human Genetics 2003 Jan; 72: 125-132. "A Susceptibility Gene For Psoriatic Arthritis Maps To Chromosome 16q: Evidence For Imprinting". A Karason, *JE Gudjonsson*, R Upmanyu, AA Antonsdottir, VB Hauksson, EH Runarsdottir, H Jonsson , K Stefansson, H Valdimarsson, J Gulcher.
4. British Journal of Dermatology. 2003 Feb;148:233-5. "Psoriasis Patients Who Are Homozygous for the HLA-Cw602 Allele have a Three-Fold Increased Risk of Getting Psoriasis than Cw6 Heterozygotes". *JE Gudjonsson*, A Karason, AA Antonsdottir, EH Runarsdottir, JR Gulcher, K Stefansson, H Valdimarsson.
5. Clin. Exp Immunolog. 2003. "Interleukin-12 Alone Can Not Enhance The Expression of the Cutaneous Lymphocyte Associated Antigen (CLA) By Superantigen Stimulated T Lymphocytes". H Sigmundsdottir, *JE Gudjonsson*, H Valdimarsson.
6. British Journal of Dermatology 2003. "The Effects of UVB Treatment on the Expression of Adhesion Molecules by Circulating T Lymphocytes in Psoriasis". H Sigmundsdottir, *JE Gudjonsson*, H Valdimarsson.
7. The British Journal of Dermatology 2003 Sept; 149:530-4. "Streptococcal Throat Infections and Exacerbation of Chronic Plaque Psoriasis – A Prospective Study". *JE Gudjonsson*, AM Thorarinsson, KG Kristinsson, H Valdimarsson.
8. Scand J Immunol 2004 Jan; 59:97-102. "Human Plasma-Derived Mannose-Binding Lectin: A Phase I Safety and Pharmacokinetic Study". H Valdimarsson, T Vikingsdottir, P Bang, S Saevarsdottir, *JE Gudjonsson*, O Oskarsson, M Christiansen, L Blou, I Laursen, C Koch.
9. Clin. Exp Immunol 2004 Jan; 135:1-8: "Immunopathogenic Mechanisms in Psoriasis". *JE Gudjonsson*, A Johnston, H Sigmundsdottir, H Valdimarsson.
10. Clin Immunol 2004 Apr; 111:119-25. "Differential Effects of Interleukin 12 and Interleukin 10 on Superantigen-Induced Expression of Cutaneous Lymphocyte-Associated Antigen (CLA) and Alpha-beta7 Integrin (CD103) By CD8+ T Cells". H Sigmundsdottir, A Johnston, *JE Gudjonsson*, H Valdimarsson.
11. Exp Dermatol 2004 Jul; 13:426-34. "Methotrexate Markedly Reduces the Expression of Vascular E-Selectin, Cutaneous Lymphocyte Associated Antigen and The Numbers of Mononuclear Leucocytes in Psoriatic Skin". H Sigmundsdottir, A Johnston, *JE Gudjonsson*, B Bjarnason, H Valdimarsson.

12. *Curr Rheumatol Rep* 2004 Aug; 6:314-6. "Psoriasis: A Complex Clinical and Genetic Disorder". H Valdimarsson, A Karason, *JE Gudjonsson*.
13. *Clin. Exp Immunol* 2004 Oct;138:83-93: "Peripheral Blood T Cell Responses to Keratin Peptides that Share Sequences with M Proteins are Largely Restricted to Skin-Homing CD8+ T Cells". A Johnston, *JE Gudjonsson*, H Sigmundsdottir, T Love, H Valdimarsson
14. *Clin Immunol* 2005 Feb;114:154-63. "The Anti-Inflammatory Action of Methotrexate is not Mediated by Lymphocyte Apoptosis, but by the Suppression of Activation and Adhesion Molecules". A Johnston, *JE Gudjonsson*, BR Ludviksson, H Valdimarsson.
15. *J Invest Dermatol* 2005 May;124:921-30: "Fine Mapping of the Psoriasis Susceptibility Gene PSORS1: A Reassessment of Risk Associated With a Putative Risk Haplotype Lacking HLA-Cw6". The Cluster 17 Collaboration.
16. *J Invest Dermatol* 2005 June; 124:1177-85: "Genetics of Psoriasis in Iceland: Evidence for Linkage of Subphenotypes to Distinct Loci". A Karason, *JE Gudjonsson*, HH Jonsson, VB Hauksson, EH Runarsdottir, K Stefansson, H Valdimarsson, JR Gulcher.
17. *Arch Dermatol Res* 2005 July;297:39-42: "Narrow-Band UVB Irradiation Induces The Secretion of Anti-Inflammatory Cytokines and Suppresses The Secretion of Pro-Inflammatory Cytokines by Activated Pbmcs from Psoriasis Patients". H Sigmundsdottir, A Johnston, *JE Gudjonsson*, H Valdimarsson.
18. *Eur J Hum Genet* 2006 Jan;14(1):2-4: "Mouse Models: Psoriasis: An Epidermal Disease After All?" Gudjonsson JE, Elder JT.
19. *J Invest Dermatol* 2006 April;126(4):740-5: "Distinct Clinical Differences Between HLA-Cw\*0602 Positive and Negative Psoriasis Patients – An Analysis of 1019 HLA-C and B Typed Patients". *JE Gudjonsson*, A Karason, A Antonsdottir, EH Runarsdottir, VB Hauksson, HH Jonsson, J Gulcher, K Stefansson, H Valdimarsson.
20. *J Invest Dermatol* 2007 Jun;127(6):1292-308: "Mouse Models of Psoriasis" Gudjonsson JE, Johnston A, Dyson M, Valdimarsson H, Elder JT.
21. *Am J Pathol* 2007 Jun;170(6):2089-99: "Evidence for Differential Autocrine ErbB Signaling in Squamous Cell vs. Basal Cell Carcinoma of the Skin" (in press). Rittie L, Kansra S, Stoll SW, Li Y, Gudjonsson JE, Zhang T, Shao Y, Fisher GJ, Boyd C, Johnson T, Elder JT.
22. *Clinics in Dermatology* 2007 Nov-Dec;25(6):535-46: Epidemiology of Psoriasis" *Gudjonsson JE*, Elder JT.
23. *Journal of Rheumatology* 2007 Oct;34(10):2082-8: "Psoriatic Arthritis in Reykjavik, Iceland: Prevalence, Demographics and Disease Course" Love TJ, Gudbjornsson B, *Gudjonsson JE*, Valdimarsson H
24. *Archives of Dermatology* 2008 Apr;144(4):547-52. Click here to read "Multi-nodular lesions of the earlobes". Do TT, Gielczyk R, Wang T, Olsen S, Lowe L, *Gudjonsson JE*.
25. *Archives for Dermatological Research* 2008 Sep 5 (epub). Transgenic expression of S100A2 in hairless mouse skin enhances Cxcl13 gene expression in response to solar-stimulated radiation. Li Y, *Gudjonsson JE*, Woods TL, Zhang T, Stoll SW, Elder JT.
26. *Br J Dermatol* 2008 Aug;159(2):342-50. Obesity in psoriasis: Leptin and resistin as mediators of cutaneous inflammation. Johnston A, Arnadottir S, *Gudjonsson JE*, Aphale A, Sigmarsdottir AA, Gunnarsson SI, Steinsson JT, Elder JT, Valdimarsson H.
27. *J Immunol*, 2008 Oct 1;181(7):4733-41. Induction of memory IL-17+ T cell trafficking and expansion by IFN $\gamma$ : Mechanism and pathological relevance. Kryczek I, Bruce AT, *Gudjonsson JE*, Johnston A, Vatan L, Szeliga W, Wange Y, Liu Y, Aphale A, Welling TH, Elder JT, Zou W.

28. J Invest Dermatol 2009 Mar;129(3):635-40. Epub Aug 28, 2008: Lack of evidence for activation of the Hedgehog pathway in psoriasis. *JE Gudjonsson*, A Aphale, M Grachtchouk, J Ding, T Wang, JJ Voorhees, AA Dlugosz, JT Elder.
29. Nature Genetics 2009 Feb;41(2):199-2004. Genome-wide Scan Reveals Association of Psoriasis with IL-23 and NF- $\kappa$ B Pathways . Rajan P. Nair, Kristina Callis Duffin, Cindy Helms, Jun Ding, Philip E. Stuart, David Goldgar, *Johann E. Gudjonsson*, Yun Li, Trilokraj Tejasvi, Andreas Ruether, Michael Weichenthal, Dafna Gladman, Proton Rahman, Steven J. Schrodi, Sampath Prahalad, Stephen L Guthery, Judith Fisher, Wilson Liao, Pui Kwok, Alan Menter, G. Mark Lathrop, C. Wise, Ann B. Begovich, John J. Voorhees, James T. Elder, Gerald G. Krueger, Anne M. Bowcock, Gonçalo R. Abecasis
30. Journal of the American Academy of Dermatology 2009 Jul;61(1):133-8: Two cases of syringotropic cutaneous T-cell lymphoma and review of the literature. John Yost, Thy Thy Do, Kate Kovalszki, Lyndon Su, Thomas F. Anderson, *Johann E. Gudjonsson*.
31. Trends in Immunology 2009 Oct;30(10):494-501. Epub Sep 23, 2009. Psoriasis – as an autoimmune disease caused by molecular mimicry. Helgi Valdimarsson, Thorleifsdottir RH, Sigurdardottir SL, *Gudjonsson JE*, Johnston A.
32. Expert Review of Clinical Immunology July 2009, 5(4):433-443. Current understanding of the genetic basis of psoriasis. Johann E. Gudjonsson, Andrew Johnston.
33. Journal of Investigative Dermatology. Epub Oct 8, 2009. Molecular Dissection of Psoriasis: Integrating Genetics and Biology. James T. Elder, Allen T. Bruce, *Johann E. Gudjonsson*, Andrew Johnston, Philip E. Stuart, Trilokraj Tejasvi, Goncalo Abecasis, Jun Ding, Ilona Kryczek, Weiping Zou, John J. Voorhees, and Rajan P. Nair.
34. Journal of Investigative Dermatology 2009 Jul 2. Global Gene Expression Analysis Reveals Evidence for Decreased Lipid Biosynthesis and Increased Innate Immunity in Uninvolved Psoriatic skin. *Johann E. Gudjonsson*, Jun Ding, Rajan P. Nair, Trilokraj Tejasvi, Zhaohui S. Quin, Debashis Ghosh, Abhishek Aphale, Deborah L. Gumucio, John J Voorhees, Goncalo Abecasis, James T. Elder.
35. Journal of Investigative Dermatology Epub 2009 Jul 16. Metalloproteinase-mediated, context-dependent function of amphiregulin and HB-EGF in human keratinocytes and skin. Stefan W. Stoll, Jessica L. Johnson, Ajay Bhasin, Johann Gudjonsson, Laure Rittie, James T. Elder

#### *Non-peer Reviewed Publications*

1. Journal of the American Academy of Dermatology, 2007 Aug;57(2):365. Analysis of Global Gene Expression and Genetic Variation in Psoriasis. *JE Gudjonsson*
2. Nature Medicine 2007 Jul;13(7):786-7. “The Problem with Upward Mobility”. *JE Gudjonsson*, JT Elder.
3. Keratin Journal 2008. Mice as models for psoriasis (review). *JE Gudjonsson*
4. G Ital Dermatol Venereol. 2008 Oct; 143(5):299-305. Genetic Variation and Psoriasis (review). *JE Gudjonsson*
5. Psoriasis Forum. 2009. The Role of CD8 T Cells and Their Antigen Receptors in Psoriasis. *JE Gudjonsson*, J Yost, A Johnston.

#### *Book Chapters*

1. “Etiopathogenesis of Psoriasis”. JE Gudjonsson, JT Elder. Rheumatology 4<sup>th</sup> edition, 2006.
2. Psoriasis. *JE Gudjonsson*, JT Elder. Fitzpatrick’s Dermatology in General Medicine, 7<sup>th</sup> edition, 2007.

### *Other Media*

1. National Psoriasis Foundation. Analysis of Fiscal Year (FY) 2006 National Institutes of Health (NIH) Psoriasis and Psoriatic Arthritis Funded Research. (Primary author – sent to the NIH and US Congress)
2. 2009. F1000 Medicine. John Yost, Johann E. Gudjonsson. The role of TNF inhibitors in psoriasis therapy: new implications for associated comorbidities.

### *Abstracts/Posters*

1. “The Frequency of CLA+ Positive CD8 Lymphocytes in the Blood Correlated Closely with the Psoriasis and Area Severity Index (PASI)”. H Sigmundsdottir, JE Gudjonsson, BR Ludviksson, I Jonsdottir and H Valdimarsson. European Congress of Immunology. Poznan, September 2000.
2. “Methotrexate Treatment Reduces in a Dose-Dependent Manner the Expression of CLA+ by CD8+ but not CD4+ T-Cells in the Blood of Psoriatic Patients”. H Sigmundsdottir, JE Gudjonsson, BR Ludviksson, I Jonsdottir and H Valdimarsson. European Congress of Immunology. Poznan, September, 2000.
3. “Methotrexate Inhibits the Expression of ICAM and CLA by T Cells In Vitro through Different Pathways”. JE Gudjonsson, H Sigmundsdottir, BR. Ludviksson, H Valdimarsson. 2nd Joint Meeting International Psoriasis Symposium and European Congress on Psoriasis, San Francisco, CA, June 19-24, 2001
4. “HLA-Cw6 Positive and Negative Patients with Psoriasis Vulgaris have Distinctly Different Clinical Features”. JE Gudjonsson, A Kárason, A Antonsdóttir, H Runarsdottir, J Gulcher, K Stefansson, H Valdimarsson. 2nd Joint Meeting International Psoriasis Symposium and European Congress on Psoriasis, San Francisco, CA, June 19-24, 2001
5. “HLA-Cw6 Positive and Negative Patients with Psoriasis Vulgaris Have Distinctly Different Clinical Features”. JE Gudjonsson, A Karason, A Antonsdóttir, H Runarsdottir, J Gulcher, K Stefansson, H Valdimarsson. 11th International Congress of Immunology. Stockholm, Sweden, July 2001.
6. “The Frequency of CLA+ Positive CD8 Lymphocytes in the Blood Correlated Closely with the Psoriasis and Area Severity Index (PASI)”. H Sigmundsdottir, JE Gudjonsson, BR Ludviksson, I Jonsdottir, H Valdimarsson. 11th International Congress of Immunology. Stockholm, Sweden, July 2001.
7. “Methotrexate Treatment Reduces in a Dose-Dependent Manner the Expression of CLA+ by CD8+ but not CD4+ T-Cells in the Blood of Psoriatic Patients”. H Sigmundsdottir, JE Gudjonsson, BR Ludviksson, I Jonsdottir, H Valdimarsson. 11th International Congress of Immunology. Stockholm, Sweden, July 2001.
8. “Methotrexate Inhibits the Expression of ICAM and CLA by T Cells In Vitro through Different Pathways”. JE Gudjonsson, H Sigmundsdottir, BR. Ludviksson, H Valdimarsson. 11th International Congress of Immunology. Stockholm, Sweden, July, 2001.
9. “T Cells from HLA-Cw6 Positive Psoriasis Patients Over-Express the Cutaneous Lymphocyte Antigen (CLA) In Vitro”. H Sigmundsdóttir, JE Gudjonsson, H Valdimarsson. Scandinavian Congress of Immunology, April, Bergen, Norway, 2002.
10. “Methotrexate Treatment Reduces the Frequency of Cutaneous Lymphocyte antigen CLA but Not Very Late Antigen (VLA)-4 $\alpha$  Or  $\alpha$ <sub>E</sub> $\beta$ <sub>7</sub> (CD103) T-Cells in the Blood of Psoriatic Patients”. H Sigmundsdóttir, JE Gudjonsson, BR Ludviksson, H Valdimarsson. Scandinavian Congress of Immunology, April, Bergen, Norway, 2002.

11. "Methotrexate Inhibits the Expression of ICAM and CLA by T Cells In Vitro Through Different Pathways". *JE Gudjonsson*, H Sigmundsdottir, BR Ludviksson, H Valdimarsson. Scandinavian Congress of Immunology, April, Bergen, Norway, 2002.
12. "Skin-Homing Features of T Lymphocytes in Blood, Tonsils and Mesenteric Lymph Nodes". RH Thorleifsdottir, *JE Gudjonsson*, H Sigmundsdottir, PH Moller, H Petersen, H Valdimarsson. London, November 2002. Psoriasis: From Gene to Clinic.
13. "Streptococcal Throat Infections Cause Exacerbation of Chronic Plaque Psoriasis: A Prospective Study". *JE Gudjonsson*, AM Thorarinsson, B Sigurgeirsson, KG Kristinsson, H Valdimarsson. London, November 2002. Psoriasis: From Gene to Clinic.
14. "Superantigens Induce CLA Expression by Lymphocytes Incubated in Medium with Fetal Calf Serum but not Human Serum, Even when Enriched with IL-12". H Sigmundsdottir, *JE Gudjonsson*, I Jonsdottir, H Valdimarsson. . London, November 2002. Psoriasis: From Gene to Clinic.
15. "Methotrexate Reduces the Frequency of CLA+T Cells in the Blood and T Cells Infiltrating the Psoriasis Skin Lesions". H Sigmundsdottir, *JE Gudjonsson*, H Valdimarsson. London, November 2002. Psoriasis: From Gene to Clinic.
16. "The Effects of UVB Treatment on the Expression of Adhesion Molecules by Circulating T Lymphocytes in Psoriasis". H Sigmundsdottir, *JE Gudjonsson*. H Valdimarsson. London, November 2002. Psoriasis: From Gene to Clinic.
17. "TGF-Beta1 has Preferential Tolerogenic Effects on Peripheral CD8+ T Cells after Prolonged Stimulation". S Reynisdottir, H Sigmundsdottir, *JE Gudjonsson*, H Valdimarsson and Björn Rúnar Lúdvíksson. AAAAI, New York 2002.
18. "Methotrexate Inhibits the Expression of ICAM and CLA by T Cells in Vitro through Different Pathways". *JE Gudjonsson*, H Sigmundsdottir, BR Ludviksson, H Valdimarsson. Scandinavian Society of Immunology, Reykjavik 2003.
19. "Interleukin-12 Alone Can Not Enhance the Expression of the Cutaneous Lymphocyte Associated Antigen (CLA) by Superantigen Stimulated T Lymphocytes". H Sigmundsdottir, *JE Gudjonsson*, H Valdimarsson. Scandinavian Society of Immunology, Reykjavik 2003.
20. "Distinct Clinical Differences between HLA-Cw\*0602 Positive and Negative Psoriasis Patients: Potential Pharmacogenomic and Immunopathogenic Variations Might be Useful in Predicting Therapeutic responses to Biologic Agents". Biogen-IDEA resident/fellow conference on psoriasis. Dallas May 21st-23<sup>rd</sup> 2004
21. "Differential effects of Interleukin 12 and Interleukin 10 on Superantigen Induced Expression of the Cutaneous Lymphocyte-Associated Antigen (CLA) and the alphaEbeta7 Integrin (CD103) by CD8+ T Cells". 12<sup>th</sup> International Congress of Immunology, Montreal 2004.
22. "Cw6+ Psoriatic Individuals Respond to Keratin and M Protein Peptides Whereas Cw6+ Healthy Controls, with a Family History of Psoriasis, Preferentially Respond to M Protein Peptides". Johnston A, Gudjonsson JE, Sigmundsdottir H, Valdimarsson H. 12<sup>th</sup> International Congress of Immunology, Montreal 2004.
23. "Psoriatic Arthritis is More Common and Has an Earlier Age of Onset in Women". Love TJ, Gudbjornsson B, Gudjonsson JE, Valdimarsson H. EULAR 2005, Vienna.
24. "Global Gene Expression Analysis of Psoriasis Reveals Differences Between Normal and Uninvolved Skin". Gudjonsson JE, Ding J, Nair R, Abecasis G, Voorhees JJ, Elder JT. SID, Philadelphia, May 2006-01-20
25. "Psoriatic Arthritis in Reykjavik, Iceland: Prevalence and Disease Course Based on Direct Evaluation of Patients Found in Databases and Published Clinical Criteria". Love TJ,

- Gudbjornsson B, Gudjonsson JE, Valdimarsson H. Scandinavian College of Rheumatology, Reykjavik, Iceland, August 2006.
26. "Psoriatic Arthritis is More Common and Has an Earlier Age of Onset in Women in the Icelandic Population". Love TJ, Gudbjornsson B, Gudjonsson JE, Valdimarsson H.. Scandinavian College of Rheumatology, Reykjavik, Iceland, August 2006.
  27. "Psoriatic Arthritis in Iceland – Nail and Skin Involvement". Love TJ, Gudbjornsson B, Gudjonsson JE, Valdimarsson H. Scandinavian College of Rheumatology, Reykjavik, Iceland, August 2006.
  28. "High-throughput Gene Expression Analysis of Skin from Psoriatic Patients and Normal Controls". Ding J, Gudjonsson JE, Nair RP, Stuart PE, Voorhees JJ, Abecasis GR, Elder JT. American Society for Human Genetics, New Orleans, October 2006.
  29. "Hospital Records and Self Report from Psoriasis Patients Have Similar Specificity for Locating Independent Verifiable Cases of Psoriatic Arthritis". Love TJ, Gudbjornsson B, Gudjonsson JE, Valdimarsson H. American College of Rheumatology, Washington, November 2006.
  30. "Syringotropic cutaneous T-cell Lymphoma Evolving from Follicular Mucinosis". Gudjonsson JE, Su L, Anderson TF. American Academy of Dermatology, Washington, February 2007.
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