

PERSONAL INFORMATION

Hrefna Gudmundsdottir

WORK EXPERIENCE

July 1999–August 2001

Lecturer

University of Pennsylvania (United States)

Research within transplant immunology

Clinical nephrology

September 2001–April 2003

Project Leader

Decode Genetics (Iceland)

Project leader in Division of Drug Development

October 2003–March 2006

Medical Researcher

Icelandic Heart Association (Iceland)

Science projects and Prevention Clinic

March 2006–Present

Nephrologist

Landspítali University Hospital (Iceland)

Clinical nephrology. Initially 75% effort, currently 20% effort

May 2007–September 2016

Associate Professor

University of Iceland (Iceland)

In charge of BS thesis of medical students

February 2014–Present

Senior Assessor, Clinical Expert

Icelandic Medicines Agency (Iceland)

EMA scientific and working party member (CHMP alternate member, SAWP alternate member, RIWP member)

EDUCATION AND TRAINING

September 1982–June 1988

Medical Doctor

University of Iceland (Iceland)

August 1988–January 1990

Rotating Intern

Vaernamo Hospital (Sweden)

Rotating Internship in internal medicine, surgery, radiology and general medicine

February 1990–June 1992

Rotating internship

Landspítali University Hospital (Iceland)

Rotating internship in internal medicine

July 1992–June 1995

Residency in Internal Medicine

University of Connecticut (United States)

Board certified in internal medicine in the US 1995

July 1995–June 1999

Fellowship in nephrology and hypertension

University of Pennsylvania (United States)

Board certified in nephrology in the US 1998

September 1996–May 2001

Ph.D.

University of Pennsylvania (United States)

Immunology graduate group. Thesis title: "Proliferation of CD4+ T cells in response to self and non-self antigens. Role in memory formation."

ADDITIONAL INFORMATION

Expertise

Clinical Nephrology

Internal Medicine

Immunology (transplantation, T cell)

Publications

Peer Review Papers:

Gudmundsdottir H, Jonsson H, Briem H. Lidsykingar a Borgarspítala og Landspítala (Infectious Arthritis in Reykjavik) 1986-1990. Icelandic Medical Journal 1992; 78: 335-9.

Gudmundsdottir H, Jonsdottir B, Kristinsson S, Johannesson A, Goodenough D, Sigurdsson G. Vertebral bone density in Icelandic women using quantitative computed tomography without an external reference phantom. Osteoporos Int, 1993. 3(2): p. 84-9.

Magnusson V., Jonsdottir T., Gudmundsdottir H., Erlendsdottir H., Gudmundsson S. The in-vitro effect of temperature on MICs, bactericidal rates and postantibiotic effects in Staphylococcus aureus, Klebsiella pneumoniae and Pseudomonas aeruginosa. J Antimicrob Chemother, 1995. 35(2): p. 339-43.

Wells, A.D., H. Gudmundsdottir, and L.A. Turka, Following the fate of individual T cells throughout activation and clonal expansion. Signals from T cell receptor and CD28 differentially regulate the induction and duration of a proliferative response. J Clin Invest, 1997. 100(12): p. 3173-83.

Hrefna Gudmundsdottir, Andrew Wells, Matthew Walsh, and Laurence Turka. Single-cell analysis of T-cell responses in vitro and in vivo: role of costimulatory signals. Transplant Proc, 1999. 31(1-2): p. 814-5.

Gudmundsdottir, H., A.D. Wells, and L.A. Turka, Dynamics and requirements of T cell clonal expansion in vivo at the single-cell level: effector function is linked to proliferative capacity. J Immunol, 1999. 162(9): p. 5212-23.

Hrefna Gudmundsdottir and Laurence A. Turka. T cell costimulatory blockade: New therapies for transplant rejection. (Review). J Am Soc Nephrol 1999;10:1356-1365.

Hrefna Gudmundsdottir and Laurence A. Turka. Transplantation tolerance: mechanisms and strategies? (Review) Seminars in Nephrology 2000. 20: 209-216.

Hrefna Gudmundsdottir and Laurence A. Turka. A Closer Look at Homeostatic Proliferation of CD4+ T Cells; Costimulatory Requirements and Role in Memory Formation. J. Immunol, 2001. 167: 3699-3707.

Hrefna Gudmundsdottir. The Road Toward Transplantation Tolerance. Transplantation Proceedings 2003. 35: 758-759.

Solveig Gretarsdottir, Gudmar Thorleifsson, Andrei Manolescu, Sif Jonsdottir, Sigríður Th. Reynisdottir, Ólafur B. Einarsson, Þorunn Gudmundsdottir, Herdis M. Gudjonsdottir, Þorbjörg Jonsdottir, Sigrun M. Bjarnadóttir, Malcolm Hawkins, Guðmundur Guðmundsson, Hrefna Gudmundsdottir et al. Phosphodiesterase 4D gene polymorphisms confer risk to ischemic stroke. Nature Genetics, 2003. 35: 131-138.

Hakon Hakonarson, Sverrir Throcaldsson, Anna Helgadóttir, Daniel Guðbjartsson, Florian Zink, Margret Andresdottir, Andrei Manolescu, Dacíd O. Amar, Karl Andersen, , , Hrefna Gudmundsdottir, et al. Effects of a 5-Lipoxygenase-Activating Protein Inhibitor on Biomarkers Associated With Risk of Myocardial Infarction. JAMA, 2005. 293: 2245-2256.

Hrefna Gudmundsdottir Fjola Haraldsdóttir, Asdis Baldursdóttir, Rosa Björk Barkardóttir, Sverrir Hardarson, Vilundur Guðnason, Tomas Guðbjartsson, Guðmundur Víkar Einarsson, Eiríkur

Jonsson, Vigdis Petursdottir. Protein Expression within the Human Renal Cortex and Renal Cell Carcinoma: The Implication of Cold Ischemia. *Cell Preservation Technology*, 2007. 5: 85-92.

Steinthor Sigurdsson, Gudmundur Geirsson, Hrefna Gudmundsdottir, Perla B. Egilsdottir and Sigmundur Gudbjarnason. A parallel, randomised, double blind, placebo controlled study to investigate the effect of SagaPro on nocturia in men. *Scandinavian Journal of Urology* 2012. 47: 26-32

Fan L, Levey AS, Gudnason V, Eiriksdottir G, Andresdottir MB, Gudmundsdottir H, Indridason OS, Palsson R, Mitchell G, Inker LA. Comparing GFR Estimating Equations Using Cystatin C and Creatinine in Elderly Individuals. *J Am Soc Nephrol*. 2015. 26(8):1982-9.

Okparavero A, Foster MC, Tighiouart H, Gudnason V, Indridason O, Gudmundsdottir H, Eiriksdottir G, Gudmundsson EF, Inker LA, Levey AS. Prevalence and complications of chronic kidney disease in a representative elderly population in Iceland. *Nephrology Dialysis Transplantation* 2015. 31(3):439-447.

Inker LA, Okparavero A, Tighiouart H, Aspelund T, Andresdottir MB, Eiriksdottir G, Harris T, Launer L, Nikulasdottir H, Sverrisdottir JE, Gudmundsdottir H, Noubary F, Mitchell G, Palsson R, Indridason OS, Gudnason V, Levey AS. Midlife Blood Pressure and Late-Life GFR and AlbuminuriaL An Elderly General Population Cohort. *Am J Kidney Dis*. 2015. 66(2): 240-248.

Huang N, Foster MC, Mitchell GF, Andresdottir MB, Eiriksdottir G, Gudmundsdottir H, Harris TB, Launer LJ, Palsson R, Gudnason V, Levey AS, Inker LA. Aortic stiffness and change in glomerular filtration rate and albuminuria in older people. *nephrol Dial Transplant*. 2017. 32(4): 677-684.

SS Jonsdottir, S Olafsdottir, H Gudmundsdottir. Adverse drug reaction reports in Iceland from 2013 to 2015. A comparison with other Nordic contries. *The Icelandic Medical Journal* 2017. 103(7-8):319-323.

Posters, non peer-review articles and bookchapters:

Scott Adler, Hrefna Gudmundsdottir and Laurence A. Turka. "Normal Immune Responses" In: *Immunologic Renals Diseases*, 2nd edition by Neilson and Couser. Lippincott-Raven Publishers, Philadelphia 2001.

Berglind M. Johannsdottir, Olafur S. Indridason, Margret B. Andresdottir, Runolfur Palsson, Vilmundur Gudnason, Thor Aspelund, Hrefna Gudmundsdottir, *The Role of Calcified Vasculature and Lipids in the Progression of Chronic Kidney Disease*. Nordic Society of Nephrology Meeting, Reykjavik 2013 (August 28-31).

Jonsdottir A & Gudmundsdottir H; Skortur á tilkynningum um alvarlegar aukaverkanir lyfja til Lyfjastofnunar (Lack of reports of serious adverse drug reactions to the Icelandic Medicines Agency). Published under „Discussion and News“ of the Icelandic Medical Journal 2018, 07/08;108. <https://www.laeknabladid.is/tolublod/2018/0708/nr/6808>

Projects Surrogate Endpoints in Chronic Kidney Disease

Memberships International Society of Nephrology
Icelandic Renal Association
Nordic Society of Nephrology

Other Relevant Information