

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-July 2021

Senior Assessor, Clinical Expert

Icelandic Medicines Agency (Iceland)

August 2021- Present

Chief Medical Officer

Icelandic Medicines Agency (Iceland)

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

February 1990-June 1992

Rotating internship

Landspítali University Hospital (Iceland)

July 1992-June 1995

Residency in Internal Medicine

University of Connecticut (United States)

July 1995-June 1999

Fellowship in nephrology and hypertension

University of Pennsylvania (United States)

September 1996-May 2001

Ph.D.

University of Pennsylvania (United States)

Expertise Clinical Nephrology
Internal Medicine
Immunology (transplantation, T cell)

Publications Gudmundsdottir H, Jonsson H, Briem H. Lidsykningar 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, Sigridur Th. Reynisdottir, Olafur B. Einarsson, Thorunn Gudmundsdottir, Herdis M. Gudjonsdottir, Thorbjorg Jonsdottir, Sigrun M. Bjarnadottir, Malcolm Hawkins, Gudmundur Gudmundsson, 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 Gudbjartsson, Florian Zink, Margret Andresdottir, Andrei Manolescu, Dacib O. Arnar, 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 Bjork Barkardóttir, Sverrir Hardarson, Vilmundur Gudnason, Tomas Gudbjartsson, Gudmundur Vikar Einarsson, Eiríkur Jonsson, Vigdis Petursdóttir. Protein Expression within the Human Renal Cortex and Renal Cell Carcinoma: The Implication of Cold Ischemia. Cell Preservation Technology, 2007. 5: 85-92.

Steinþor 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, Tigiouart 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 Albuminuria. 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 countries. *The Icelandic Medical Journal* 2017. 103(7-8):319-323.

F. Holtkamp, H. Gudmundsdottir, R. Maciulaitis, N. Benda, A. Thomson, T. Vetter. Change in Albuminuria and GFR as Endpoints for Clinical Trials in Early Stages of Chronic Kidney Disease - a perspective from European regulators (Editorial). *Am J Kidney Dis.* 2020. 75(1): 6-8

A. Levin et al on behalf of participant authors of the International Society of Nephrology 1st International Consensus Meeting on Defining Kidney Failure in Clinical Trials. International consensus definitions of clinical trial outcomes for kidney failure: 2020. *Kidney International* 2020. 98:849-859.

Kelli Collins Damron, et al. Treating Early Stage CKD with New Medication Therapies: Results of a Stakeholder Survey Informing the 2020 NKF-FDA Scientific Workshop on Clinical Trial Considerations for Developing Treatments for Early Stages of Common, Chronic Kidney Diseases. *Kidney Medicine*, in press (2022)

Posters, non peer-review articles and bookchapters:

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

Berglind M. Johannsdottir, Olafur S. Indridason, Margret B. Andresdottir, Runolfur Palsson, Vilmondur 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).*

A. Jonsdottir & H. Gudmundsdottir; Skortur a 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>

G. Stefansdottir, H. Gudmundsdottir and E.I. Jacobsen. Flixabi - aukaverkanir af nju liftaekni-hlidstaedulyfi, undir serstoku eftirliti (Flixabi - adverse events reporting of a new biosimilar under additional monitoring). Published under "Discussion and News" of the Icelandic Medical Journal 2019, 11(105).

H. Gudmundsdottir, H.L. Hauksdottir and E.I. Jacobsen. Flixabi (infliximab), liftaeknilyfshlidstaeda vid Remicade. Reynslan i sjuklingum med bolgusjukdom i meltingarvegi [Flixabi (infliximab, a biosimilar to Remicade) The experience in patients with inflammatory bowel disease]. Published under "Discussion and News" of the Icelandic Medical Journal February 1, 2020

G. Stefansdottir, E.I. Jacobsen and H. Gudmundsdottir. Lyfjamal a timum COVID-19 - allt a fullu [Medical issues during COVID - full speed]. Discussion and News of the Icelandic Medical Journal May 1, 2020.

G. Stefansdottir, H. Gudmundsdottir and E.I. Jacobsen. Aukaverkanatilkynningar og ny lyfjalog [Adverse reaction reports and new drug laws]. Discussion and News of the Icelandic Medical Journal Nov 1, 2020.

Projects Planning and Operations Committees for A Scientific Workshop Collaboration in March 2018 by the National Kidney Foundation, the European Medicines Agency and the U.S. Food and Drug Administration

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

Other Relevant Information