Illig, Thomas

D.o.B. 13-2-1965

Current Position

Since 2012	Scientific Head of the Biobank of the Hannover Medical School (HUB, Hannover Unified Biobank)
Since 2016	Head of Research of the Department of Human Genetics, MHH

Undergraduate and Postgraduate Training

1986 - 1991	Study of biology, University of Regensburg
1995	Doctor in biology by thesis „O-Glycosilation in Saccharomyces cerevisae“, Department of Cell Biology, University of Regensburg
2006	Postdoctoral lecture qualification (“Habilitation”) and conferral of associate professorship (“Priv.-Doz.”) at the Ludwig-Maximilians-University München, „Concepts of genomic association studies to decipher complex diseases“
2010	Professor at Ludwig Maximilians-University Munich

Academic and Research Posts

2001 - 2010	Group leader of working group “Epidemiology-Biobanking-Genomics” in the Institute of Epidemiology Helmholtz Zentrum Muenchen, German Research Center for Environmental Health, Neuherberg, Germany
2011	Head of Research Unit of Molecular Epidemiology, Helmholtz Zentrum Muenchen, German Research Center for Environmental Health, Neuherberg,
2012	Professor at Hannover Medical School
2012	Scientific Head of the Biobank of the Medical School Hannover (HUB, Hannover Unified Biobank)
2016	Head of Research of the Department of Human Genetics, MHH

Other Scientific Roles

2002 - 2017	Reviewer for following societies and institutions: European Society of Human Genetics, Netherland Research Foundation; Netherland, University of Verona, Italy, German Research Community (DFG), Germany, University of Vienna, Austria, Research Ministry of Norway, Norway, German Society of Genetics, Germany, Ministry of Finland, Finland, Welcome Trust UK, UK
2010 - 2014	Organiser of four International Genetic and Molecular Epidemiology symposia in Grainau, Germany, Titel: New trends in genetic, molecular epidemiology and biobanking
2013 - 2017	Co-Organiser of TMF German National Biobank Symposium in Berlin, Germany
2014 – 2016	In a recent analysis of Thomson Reuters Prof. Illig was classified as one of the worldwide mostly cited scientist in the years 2014-2016 in the field of molecular biology & genetics
Since 2015	Coordinator of the Lower Saxony Omics and Bioinformatics initiative “TRAINomics”
Since 2015	Head of Steering Committee of the MHH Research Core Unit Genomics

Awards and Prizes

2005	“Paula and Richard von Hertwig” Price, Germany
2006	Herbert-Herxheimer-Price of the German Society of Allergology and Immunology (DGAKI), Germany
2010	“Paula and Richard von Hertwig” Price, Germany

10 Selected Publications (of 612 original publications):

Penkert J, Ripperger T, Schieck M, Schlegelberger B, Steinemann D, Illig T.On metabolic reprogramming and tumor biology: A comprehensive survey of metabolism in breast cancer. *Oncotarget*. 2016; 7(41): 67626-49.

Fuchsberger C, Flannick J, Teslovich TM, … Ingelsson E, Im HK, Illig T, … Boehnke M, Altshuler D, McCarthy MI. The genetic architecture of type 2 diabetes. *Nature*. 2016; 536(7614):41-7.

Wang-Sattler R, Yu Z, Herder C, … Pischon T, Adamski J, Illig T.Novel biomarkers for pre-diabetes identified by metabolomics*. Mol Syst Biol*. 2012; 8: 615.

Mittelstrass K, Ried JS, Yu Z, Krumsiek J, Gieger C, Prehn C, Roemisch-Margl W, Polonikov A, Peters A, Theis FJ, Meitinger T, Kronenberg F, Weidinger S, Wichmann HE, Suhre K, Wang-Sattler R, Adamski J, Illig T.Discovery of sexual dimorphisms in metabolic and genetic biomarkers. *PLoS Genet*. 2011; 7(8): e1002215.

Suhre K, Wallaschofski H, Raffler J, Friedrich N, Haring R, Michael K, Wasner C, Krebs A, Kronenberg F, Chang D, Meisinger C, Wichmann HE, Hoffmann W, Völzke H, Völker U, Teumer A, Biffar R, Kocher T, Felix SB, Illig T, Kroemer HK, Gieger C, Römisch-Margl W, Nauck M.A genome-wide association study of metabolic traits in human urine. *Nat Genet*. 2011; 43(6): 565-9.

Suhre K, Shin SY, Petersen AK, Mohney RP, Meredith D, Wägele B, Altmaier E; CARDIoGRAM, Deloukas P, Erdmann J, Grundberg E, Hammond CJ, de Angelis MH, Kastenmüller G, Köttgen A, Kronenberg F, Mangino M, Meisinger C, Meitinger T, Mewes HW, Milburn MV, Prehn C, Raffler J, Ried JS, Römisch-Margl W, Samani NJ, Small KS, Wichmann HE, Zhai G, Illig T, Spector TD, Adamski J, Soranzo N, Gieger C. Human metabolic individuality in biomedical and pharmaceutical research. *Nature*. 2011; 477(7362): 54-60

Illig T, Gieger C, Zhai G, Römisch-Margl W, Wang-Sattler R, Prehn C, Altmaier E, Kastenmüller G, Kato BS, Mewes HW, Meitinger T, de Angelis MH,Kronenberg F, Soranzo N, Wichmann HE, Spector TD, Adamski J, Suhre K.A genome-wide perspective of genetic variation in human metabolism. *Nat Genet*. 2010; 42(2): 137-41.

Kretzschmar H, Illig T.Are further genetic factors associated with the risk of developing variant Creutzfeldt-Jakob disease? *Lancet Neurol*. 2009; 8(1): 25-6. No abstract available.

Weidinger S, Gieger C, Rodriguez E, Baurecht H, Mempel M, Klopp N, Gohlke H, Wagenpfeil S, Ollert M, Ring J, Behrendt H, Heinrich J, Novak N, Bieber T, Krämer U, Berdel D, von Berg A, Bauer CP, Herbarth O, Koletzko S, Prokisch H, Mehta D, Meitinger T, Depner M, von Mutius E, Liang L, Moffatt M, Cookson W, Kabesch M, Wichmann HE, Illig T.Genome-wide scan on total serum IgE levels identifies FCER1A as novel susceptibility locus. *PLoS Genet*. 2008; 4(8): e1000166.

Laumen H, Saningong AD, Heid IM, Hess J, Herder C, Claussnitzer M, Baumert J, Lamina C, Rathmann W, Sedlmeier EM, Klopp N, Thorand B, Wichmann HE, Illig T*, Hauner H*.Functional characterisation of promoter variants of the adiponectin gene complemented by epidemiological data. *Diabetes*. 2009; 58(4): 984-91.