

## JÓHANNA JAKOBSDÓTTIR – CURRICULUM VITAE

**Date of birth** – January 4 1981

**Country of citizenship** – Iceland

### Work experience

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- Mars 2019-** Assistant professor at the Centre for Public Health, Faculty of Medicine, University of Iceland.
- June 2018-** Research specialist at the Centre for Public Health, Faculty of Medicine, University of Iceland.
- Apr 2016-May 2017** Research specialist at the School of Health Sciences, University of Iceland working as a statistical consultant.
- Nov 2011-May 2017** Postdoctoral researcher and Biostatistician at the Icelandic Heart Association.
- June 2009- June 2011** Postdoctoral scholar in the Department of Statistics, University of Chicago. Advised by Dr. Mary Sara McPeck.

### Education

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- 2004-2009** Ph.D. Biostatistics, Graduate School of Public Health, University of Pittsburgh. Advised by Dr. Daniel E. Weeks. GPA 3.8/4.
- 2001-2004** B.Sc. University of Iceland. Major in Mathematics and minor in Biology. GPA 7.73/10.00.
- 1998-2001** Reykjavik Junior College. Graduation from Physics I with Student's Exam Distinction grade 8.02/10.00.

### Grants and Honors

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- 2013** RANNIS START post-doc grant 130726-051 with possible renewal for up to 2 additional years. Renewed for 2014 and 2015.
- 2013** Outstanding CHARGE working group leader.
- 2007** University of Pittsburgh Innovator Award.
- 2004** Graduate student full support and tuition for 5 years at University of Pittsburgh, National Eye Institute Grant R01EY009859 (to Dr. Michael B. Gorin).
- 2001** Award for excellent performance in Mathematics at graduation from Reykjavik Junior College.

### Research training experience

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- 2009-2011** Working as a postdoctoral scholar with Dr. Mary Sara MaPeck on NIH funded project on method development for statistical analysis of genetic data. Developed the *MASTOR* association test for quantitative traits on individuals with completely general known familial relationships.
- 2004-2009** Working as graduate student researcher (GSR) with Dr. Daniel E. Weeks on NIH-NEI funded project: Genetics of Age-related maculopathy (GARM). PI: Dr. Michael B. Gorin.
- Fall 2003** A 6 credit research project at University of Iceland in genotyping and analyzing the stock composition of cod smelts from the North Atlantic. The project was done at the Biotechnology company Prokaria Ltd.

### Teaching experience

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- 2019** Biostatistics I (LÝÐ105F). Taught this course in the Faculty of Medicine, University of Iceland.
- 2019** Biostatistics I (LÆK617G/LÝÐ201F/TAN315G). Taught this course in the Faculty of Medicine, University of Iceland.
- 2019** General statistics, course for M.Sc. and Ph.D. students (LÆK101F). Guest-lectured on class in the Faculty of Medicine, University of Iceland.
- 2019** Statistics (LAN203G). Taught this course in the Faculty of Life and Environmental Sciences, School of Engineering and Natural Sciences, University of Iceland.
- 2019** Statistics and Data Analysis (STÆ209G). Taught this course in the Faculty of Physical Sciences, School of Engineering and Natural Sciences, University of Iceland.
- 2018** Biostatistics II (LÝÐ301F). Guest-lectured one class in the Faculty of Medicine, University of Iceland.
- 2018** Mixed linear models (MAS104M). Co-taught this course in the Master of applied statistics program in the Faculty of Physical Sciences, School of Engineering and Natural Sciences, University of Iceland.
- 2018** Survival analysis (LÝÐ079F). Co-taught this course in the Faculty of Medicine, University of Iceland.
- 2016** Theory of linear models (STÆ310M). Graded the final exam in this course in the Faculty of Physical Sciences, School of Engineering and Natural Sciences, University of Iceland.
- 2016** Mixed linear models (MAS104M). Co-taught this course in the Master of applied statistics program in the Faculty of Physical Sciences, School of Engineering and Natural Sciences, University of Iceland.
- 2013** Pre-course in Biostatistics at the Nordic Society of Nephrology 32<sup>nd</sup> Biennial Congress, August 28-31, Reykjavik, Iceland. Presented a lecture on statistics in genetic studies. Nephrologists could take this course for continued education credits.
- 2008** Guest lecturer. Department of Human Genetics, Graduate School of Public Health, University of Pittsburgh. Presented two lectures in Quantitative genetics (no. Hugen 2033).
- 2003** Teaching assistant. Department of Mathematics (now part of the Faculty of Physical Sciences), University of Iceland. Directed tutorial sessions for Biology students in Calculus N (no. 09.10.17).
- 2002** Teaching assistant. Department of Mathematics (now part of the Faculty of Physical Sciences), University of Iceland. Directed tutorial sessions for Engineering students in Linear Algebra and Geometry (no. 09.10.14).

### Thesis advisor, committee member, or thesis examiner

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1. Hilda Daníelsdóttir. Genetic underpinnings of resilience to trauma. PhD degree (joint from University of Iceland and Karolinska Institutet). Committee member.
2. Guðrún Björg Steingrimsdóttir. Epidemiology of serious trauma and trauma deaths in Iceland. PhD degree from the University of Iceland. Committee member.
3. Sigrún Ýr Eyjólfsson. Masters of applied statistics (MAS) degree from the University of Iceland. Co-advisor. Scheduled graduation is in 2020.

4. Hanna Þorgerður Vilhjálmsdóttir. Svefnvenjur 15 ára unglunga á Íslandi og áhættuþættir fyrir svefnvanda. Master of public health (MPH) degree from the University of Iceland. Examiner. Evaluation completed in September 2019.
5. Svava Dögg Jónsdóttir. Endurteknar tilreiknanir á töpuðum gildum í mælitækinu PG-13 sem metur langvarandi sorgarröksun. Master of applied statistics (MAS) degree from the University of Iceland. Examiner. Defended in May 2019.
6. Ottó Hólm Reynisson. Comparing methods to perform GWAS on censored data. Master's thesis in Statistics at the University of Iceland. External examiner. Defended in May 2018.
7. Ragnar Óli Vilmundarson. Analysis of EDNRA: A gene connected to atherosclerosis. Master's thesis in Biomedicine at the University of Iceland. Committee member. Defended in February 2014.
8. Atli Norðmann Sigurðsson. Bayesian modeling of monthly precipitation via integration of measurements and meteorological model output. Master's thesis in Mathematics at the University of Iceland. External examiner. Defended in May 2013.

## Publications

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1. Nagtegall AP, Broer L, Zilhao NR, **Jakobsdottir J**, et al. *Genome-wide association meta-analysis identifies five novel loci for age-related hearing impairment*. 2019 Scientific reports 9(1):1-10.
2. Tin A, [87 co-authors], **Jakobsdottir J**, [62 co-authors]. *Target genes, variants, tissues and transcriptional pathways influencing human serum urate levels*. 2019 Nature Genetics 51:1459-1474.
3. Teumer A, [78 co-authors], **Jakobsdottir J**, [71 co-authors]. *Genome-wide association meta-analyses and fine-mapping elucidate pathways influencing albuminuria*. 2019 Nature Communications 10(1):1-19
4. Wolters FJ, [2 co-authors], **Jakobsdottir J**, [14 co-authors], E2-CHARGE investigators. *The impact of APOE genotype on survival: Results of 38,537 participants from six population-based cohorts (E2-CHARGE)*. 2019 PLoS one 14(7):e0219668.
5. Wuttke M, [123 co-authors], **Jakobsdottir J**, [26 co-authors]. *A catalog of genetic loci associated with kidney function from analyses of a million individuals*. 2019 Nature Genetics 51(6):957-972
6. Kunkle BW, [15 co-authors], **Jakobsdottir J**, [133 co-authors]. *Genetic meta-analysis of diagnosed Alzheimer's disease identifies new risk loci and implicates Aβ, tau, immunity and lipid processing*. 2019 Nature Genetics 51(3):414-430
7. Emilsson V, [15 co-authors], **Jakobsdottir J**, [11 co-authors]. *Co-regulatory networks of human serum proteins link genetics to disease*. 2018 Science 361(6404):769-773.
8. Pelso GM et al. *Genetically elevated high-density lipoprotein cholesterol through the cholesteryl ester transfer protein gene does not associate with risk of Alzheimer's disease*. 2018 Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring 10:595-598
9. Liu DJ, [80 co-authors], **Jakobsdottir J**, [68 co-authors]. *Exome-wide association study of plasma lipids in >300,000 individuals*. Nature Genetics 2017 49(12):1758-1766
10. Sims R, [4 co-authors], **Jakobsdottir J**, [144 co-authors]. *Rare coding variants in PLCG2, ABI3, and TREM2 implicate microglial-mediated innate immunity in Alzheimer's disease*. Nature Genetics 2017 49:1373-1384

11. Nielson CM, [4 co-authors], **Jakobsdottir J**, [45 co-authors]. *Novel Genetic Variants Associated With Increased Vertebral Volumetric BMD, Reduced Vertebral Fracture Risk, and Increased Expression of SLC1A3 and EPHB2*. *Journal of Bone and Mineral Research* 2016 31(12):2085-2097.
12. **Jakobsdottir J**, van der Lee SJ, [50 co-authors]. *Rare Functional Variant in TM2D3 is Associated with Late-Onset Alzheimer's Disease*. *PLoS Genet* 2016 12(10):e1006327
13. Li C, [20 co-authors], **Jakobsdottir J**, [80 co-authors]. *Meta-analysis identifies common and rare variants influencing blood pressure and overlapping with metabolic trait loci*. *Nat Genet* 2016 48(10): 1162-1170.
14. Wang M, **Jakobsdottir J**, Smith AV, McPeck MS *G-STRATEGY: Optimal Selection of Individuals for Sequencing in Genetic Association Studies*. *Genet Epi* 2016 40(10):446-460.
15. Jensen RA, [2 co-authors], **Jakobsdottir J**, [29 co-authors]. *Novel Genetic Loci Associated with Retinal Microvascular Diameter*. *Circ Cardiovascular Genet* 2016 9(1):45-54.
16. Chouraki V, [5 co-authors], **Jakobsdottir J**, [25 co-authors]. *Evaluation of a genetic risk score to improve risk prediction for Alzheimer's disease*. *Journal of Alzheimer's Disease*. 2016 53(3):921-932.
17. Jun G, [93 co-authors], **Jakobsdottir J**, [55 co-authors]. *A novel Alzheimer disease locus located near the gene encoding tau protein*. *Mol Psychiatry* 2016 21(1):108-117.
18. van der Lee SJ, [2 co-authors], **Jakobsdottir J**, [34 co-authors]. *PLD3 variants in population studies*. *Nature* 2015 520:E2-E3
19. Wessel J, [30 co-authors], **Jakobsdottir J**, [118 co-authors]. *Low-frequency and rare exome chip variants associate with fasting glucose and type 2 diabetes susceptibility*. *Nature Communications* 2015 6 (5897)
20. Lange LA, [37 co-authors], **Jakobsdottir J**, [111 co-authors]. *Whole-Exome Sequencing Identifies Rare and Low-Frequency Coding Variants Associated with LDL Cholesterol*. *Am J Hum Genet*. 2014 94(2):233-245
21. Peloso GM, [10 co-authors], **Jakobsdottir J**, [88 co-authors]. *Association of Low-Frequency and Rare Coding-Sequence Variants with Blood Lipids and Coronary Heart Disease in 56,000 Whites and Blacks*. *Am J Hum Genet*. 2014 94(2):223-232
22. Moayyer A, [43 co-authors], **Jakobsdottir J**, [85 co-authors]. *Genetic determinants of heel bone properties: Genome-wide association meta-analysis and replication in the GEFOS/GENOMOS consortium*. *Hum Mol Genet*. 2014
23. **Jakobsdottir J**, McPeck MS. *MASTOR: Mixed-Model Association Mapping of Quantitative Traits in Samples with Related Individuals*. *Am J Hum Genet*. 2013 92(5):652-666.
24. Sofat R, Casas JP, Moore A, Webster A, Yates JRW, Sepp T, Cipriani V, Khan JC, Shahid H, Swaroop A, Abecasis G, Branham KEH, Bergen AA, Klaver M CCW, Baas DC, Zhang K, Gibbs D, Weber BHF, Keilhauer CN, Fritsche LG, Lottery A, Cree AJ, Giffiths HL, Gorin MB, Weeks DE, Ferrell RE, **Jakobsdottir J**, Conley YP, Rahu M, Seland JH, Soubrane G, Topouzis F, Vioque J, Tomazzoli L, Young I, Whittaker J, Chakravarthy U, de Jong PTVM, Smeeth L, Fletcher A, Hingorani AD. *Complement factor H genetic variant and age-related macular degeneration: effect size, modifiers, and relationship to disease subtype from meta-analysis*. *Int. J. Epidemiol*. 2012 41(1):250-62.

25. Spencer KL, Olson LM, Schnetz-Boutaud N, Gallins P, Wang G, Scott WK, Agarwal A, **Jakobsdottir J**, Conley Y, Weeks DE, Gorin MB, Pericak-Vance MA, Haines JL. *Dissection of Chromosome 16p12 Linkage Peak Suggests a Possible Role for CACNG3 Variants in Age-Related Macular Degeneration Susceptibility*. Invest. Ophthalmol. Vis. Sci. 2011 52(3):1748-54.
26. Chen W, Stambolian D, Edwards AO, Branham KE, Othman M, **Jakobsdottir J**, Tosakulwong N, Pericak-Vance MA, Campochiaro PA, Klein ML, Tan PL, Conley YP, Kanda A, Kopplin L, Li Y, Augustaitis KJ, Karoukis AJ, Scott WK, Agarwal A, Kovach JL, Schwartz SG, Postel EA, Brooks M, Baratz KH, Brown WL; Complications of Age-Related Macular Degeneration Prevention Trial Research Group, Brucker AJ, Orlin A, Brown G, Ho A, Regillo C, Donoso L, Tian L, Kaderli B, Hadley D, Hagstrom SA, Peachey NS, Klein R, Klein BE, Gotoh N, Yamashiro K, Ferris Iii F, Fagerness JA, Reynolds R, Farrer LA, Kim IK, Miller JW, Cortón M, Carracedo A, Sanchez-Salorio M, Pugh EW, Doheny KF, Brion M, Deangelis MM, Weeks DE, Zack DJ, Chew EY, Heckenlively JR, Yoshimura N, Iyengar SK, Francis PJ, Katsanis N, Seddon JM, Haines JL, Gorin MB, Abecasis GR, Swaroop A. *Genetic variants near TIMP3 and high-density lipoprotein-associated loci influence susceptibility to age-related macular degeneration*. Proc Natl Acad Sci U S A. 2010 107(16):7401-6.
27. **Jakobsdottir J**, Gorin MB, Conley YP, Ferrell RE, and Weeks DE. *Interpretation of genetic association studies: Markers with widely replicated highly significant odds ratios may be poor classifiers*. PLoS Genetics. 2009 5(2):e1000337
28. **Jakobsdottir J**, Conley YP, Weeks DE, Ferrell RE, Gorin MB. *C2 and CFB Genes in Age-Related Maculopathy and Joint Action with CFH and LOC387715 Genes*. PLoS ONE. 2008 3(5): e2199
29. **Jakobsdottir J**, Weeks DE. *Estimating prevalence, false-positive rate, and false-negative rate with use of repeated testing when true responses are unknown*. Am J Hum Genet. 2007 81(5):1111-3.
30. Conley YP, **Jakobsdottir J**, Mah T, Weeks DE, Klein R, Kuller L, Ferrell RE, Gorin MB. *CFH, ELOVL4, PLEKHA1 and LOC387715 genes and susceptibility to age-related maculopathy: AREDS and CHS cohorts and meta-analyses*. Hum Mol Genet. 2006 15(21):3206-18.
31. **Jakobsdottir J**, Conley YP, Weeks DE, Mah TS, Ferrell RE, Gorin MB. *Susceptibility genes for age-related maculopathy on chromosome 10q26*. Am J Hum Genet. 2005 77(3):389-407.
32. Conley YP, Thalamuthu A, **Jakobsdottir J**, Weeks DE, Mah T, Ferrell RE, Gorin MB. *Candidate gene analysis suggests a role for fatty acid biosynthesis and regulation of the complement system in the etiology of age-related maculopathy*. Hum Mol Genet. 2005 14(14):1991-2002.

### Lecture presentations

1. **Jakobsdottir J**. *Rare functional variant in TM2D3 is associated with late-onset Alzheimer's disease*. 18th conference on Research in Biomedical and Health Sciences, University of Iceland, Reykjavik, Iceland, January 3, 2017.
2. **Jakobsdottir J**. *Mixed model association mapping of quantitative traits in samples with related individuals and missing data*. Statistics colloquium at the University of Iceland, March 13, 2014
3. **Jakobsdottir J**. *Mixed model association mapping of quantitative traits in samples with related individuals and missing data*. The Icelandic Society of Epidemiology and Biostatistics Advent meeting, December 29, 2013



4. **Jakobsdottir J**, van der Lee SJ, Bis JC, Chouraki V, Smith AV, DeStefano AL, Brody J, Amin N, Launer LJ, Ibrahim-Verbaas CA, Choi S, Beiser A, Au R, Wolf PA, Lopez OL, Ikram MA, Hofman A, Uitterlinden AG, Levy D, O'Donnell CJ, Grove ML, Boerwinkle E, Fitzpatrick AL, Psaty B, Seshadri S, Gudnason V, van Duijn CM. *Functional rare genetic variation in Alzheimer's disease: an exome-wide association study in the CHARGE consortium*. ASHG annual meeting 2013. Platform no 297.
5. **Jakobsdottir J**, Bis JC, Ibrahim-Verbaas CA, Chouraki V, DeStefano AL, van der Lee SJ, Smith AV, Launer L, Hofman A, Uitterlinden AG, Ikram MA, O'Donnell CJ, Fitzpatrick AL, Seshadri S, Gudnason V, van Duijn CM. *The role of functional genetic variation in Alzheimer's disease: The CHARGE consortium*. AAIC meeting 2013, July 16, 2013
6. **Jakobsdottir J**, van der Lee SJ, Bis JC, Chouraki V, DeStefano AL, Smith AV, Launer L, Amin N, Hofman A, Uitterlinden AG, Ibrahim-Verbaas CA, Ikram MA, O'Donnell CJ, Fitzpatrick AL, Psaty B, Seshadri S, Gudnason V, van Duijn CM. *Exome-wide single-variant and gene-based analysis of Alzheimer's disease*. CHARGE meeting June, 2013
7. **Jakobsdottir J**. *Mixed-Model Association Mapping of Quantitative Traits in Samples with Related Individuals*. Presented at the Biology Friday seminar, University of Iceland, September 21, 2012
8. **Jakobsdottir J**, Smith AV, Gudnason V. *Genome-wide association analysis in AGES and REFINE cohorts: modeling relatedness and missing data*. Presented at the CHARGE meeting May 17, 2012.
9. **Jakobsdottir J**, Weeks DE. *Genetic variants and personalized medicine*. Invited talk at the International Genetic Epidemiology Society Seminar (ancillary to the American Society of Human Genetics meeting): The Next Frontier: Advancing from Genetic Risk to Functionality and Testing October 22 2009.
10. **Jakobsdottir J** *Interpreting genetic association studies in terms of the value of genetic variants in personalized medicine*. Invited talk at the 10<sup>th</sup> annual meeting of Roche science and ethics advisory group May 4 2009.
11. **Jakobsdottir J** *Interpreting genetic association studies in terms of the value of genetic variants in personalized medicine*. Presented at the Seminar at the Department of Statistics, University of Chicago January 26 2009.
12. **Jakobsdottir J** *Interpreting genetic association studies in terms of the value of genetic variants in personalized medicine*. Presented at the Seminar at the Center for statistical genetics, University of Michigan December 8 2008
13. **Jakobsdottir J**, Conley YP, Weeks DE, Mah TS, Ferrell RE, Gorin MB *Susceptibility genes for age related maculopathy (ARM) on chromosome 10q26*. ASHG annual meeting 2005. Platform no 128

#### Poster presentations

1. **Jakobsdottir J**, Wang M, Smith AV, McPeck MS. *G-STRATEGY: Optimal selection of individuals for genotyping in genetic association studies*. CHARGE meeting Jan 2016.
2. **Jakobsdottir J**, Broer L. *Genome-wide association study of age-related hearing loss in CHARGE*. CHARGE meeting Jan 2016.
3. **Jakobsdottir J**, MS McPeck. *Association mapping of quantitative traits in samples with related individuals*. ASHG annual meeting 2010. Poster no 2784.

4. Weeks DE, **Jakobsdottir J**, Conley YP, Ferrell RE, Gorin MB. *Further Explorations in the Genetics of Age-related Maculopathy (ARM)*. ASHG annual meeting 2008. Poster no 2233
5. **Jakobsdottir J**, Gorin MB, Conley YP, Ferrell RE, Weeks DE. *Interpretation of genetic association studies: Markers with widely replicated highly significant odds ratio may be poor classifiers*. ASHG annual meeting 2008. Poster no 2328

#### Conference presentations (presented by others, incomplete list)

1. Naj AC, van der Lee SJ, Vronskaya M, Sims R, **Jakobsdottir J**, et al. *Exome array analysis of 30,582 individuals confirms late-onset Alzheimer's disease (LOAD) risk from common variants and identifies novel rare LOAD susceptibility variants: the International Genomics of Alzheimer's project (IGAP)*. ASHG meeting 2014, Platform 196.
2. Liu C, Kraja AT, Smith A, et al. *Meta-analysis of Variants on the ExomeChip in 120,700 Individuals of European Ancestry Identifies Multiple Rare and Common Loci for Blood Pressure*. ASHG meeting 2014. Poster 2099S.
3. Wang M, **Jakobsdottir J**, Smith AV, McPeck MS. *G-STRATEGY: Optimal Selection of Individuals to Genotype in Genetic Association Studies with Related Individuals*. ASHG meeting 2014. Platform no 25. Semifinalist for the Charles J. Epstein Trainee Award.
4. Chouraki V, DeStefano A, Bellenguez C, et al. *Do the variants identified in IGAP improve risk prediction of Alzheimer's disease?* AAIC annual meeting 2014. Platform no. F4-04-03.
5. van der Lee S, Naj A, van Duijn C, et al. *Exome chip meta-analysis of Alzheimer's disease in the IGAP consortium*. AAIC annual meeting 2014. Platform no. F4-04-01.
6. Chouraki V, **Jakobsdottir J**, Mather M, et al. *A genome-wide meta-analysis of plasma clusterin levels in the CHARGE consortium*. AAIC annual meeting 2014. Poster no. P3-071.
7. Nielson CM, Liu CT, **Jakobsdottir J**, et al., *GWAS meta-analysis of vertebral trabecular volumetric BMD by QCT*. ASBMR annual meeting 2013. Poster no. SA0337
8. Wang M, **Jakobsdottir J**, Smith AV, Gudnason V, McPeck MS. *Optimal Selection of Individuals for Genotyping in Genetic Association Studies with Related Individuals*. IGES meeting 2013. Platform no 5. Nominated for Williams Award.
9. Gorin MB, Conley YP, **Jakobsdottir J**, Ferrell RE, Weeks DE. *C2 and BF genes in Age-Related Macular Degeneration and joint action with CFH and LOC387715 genes*. ASHG annual meeting 2007. Poster no 2338
10. Conley YP, **Jakobsdottir J**, Mah TS, Weeks DE, Ferrell RE, Gorin MB. *CFH and LOC387715 genes and susceptibility to Age-Related Maculopathy: AREDS cohort and a meta-analysis*. ASHG annual meeting 2006. Poster no 1657
11. Gorin MB, **Jakobsdottir J**, Conley YP, Weeks DE, Mah TS, Ferrell RE. *Replication of Association of CFH, Plekha1/LOC387715 and Elov14 Genes With ARM in the AREDS Cohort*. ARVO annual meeting 2006. Poster no 3266/B736
12. Conley YP, **Jakobsdottir J**, Weeks DE, Mah TS, Ferrell RE, Gorin MB. *No evidence of interaction between chromosomes 1q31 and 10q26 in age-related maculopathy (ARM)*. ASHG annual meeting 2005. Poster no 1560

### Scientific meetings

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- 2017** 18th conference on Research in Biomedical and Health Sciences, University of Iceland, Reykjavik, Iceland. January 3-4, 2017.
- 2016** CHARGE meeting in Houston, TX, USA. January 26-27, 2016.
- 2014** CHARGE meeting in Washington, DC, USA. November 11-13, 2014.
- 2014** CHARGE meeting in Redondo Beach, CA, USA. January 22-24, 2014.
- 2013** ASHG meeting in Boston, MA, USA. October 21-26, 2013.
- 2013** AAIC meeting in Boston, MA, USA. July 13-18, 2013.
- 2013** CHARGE Meeting in Rotterdam, Netherlands, June 12-14, 2013.
- 2012** CHARGE Meeting in Houston, TX, USA. December 12-14, 2012.
- 2012** CHARGE Analysis workshop in Boston, MA, USA. September 27-28, 2012.
- 2012** CHARGE Meeting in Reykjavík, Iceland May 16-18, 2012.
- 2010** ASHG meeting in Washington, DC, USA. Nov 2-6, 2010.
- 2009** ASHG meeting in Honolulu, Hawaii, USA. October 20-24, 2009.
- 2008** ASHG meeting in Philadelphia, Pennsylvania, USA. November 11-15, 2008.
- 2006** ASHG meeting in New Orleans, Louisiana, USA. October 9-13, 2006.
- 2005** ASHG meeting in Salt Lake City, Utah, USA. October 25-29, 2005.

### Patents

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Gorin MB, **Jakobsdottir J**, Conley YP, Weeks DE, Mah-Fraser TS, Ferrell RE. *Susceptibility genes for age-related maculopathy (ARM) on chromosome 10q26*. US patent no. 7695909. Filed June 7, 2006, issued April 13, 2010.

### Software

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**Jakobsdottir J**, McPeck MS. MASTOR version 0.7. A C program for mixed-model association testing of quantitative traits in related individuals. Available at: <http://galton.uchicago.edu/~mcpeek/software/MASTOR/index.html> and <https://bitbucket.org/johannaj/mastor>

**Jakobsdottir J**. metaMASTOR. A C program for meta-analysis of MASTOR association tests. Available at: <https://bitbucket.org/johannaj/metamastor>

**Jakobsdottir J**. empKin. A C program that implements various methods to estimate kinship. Available at <https://bitbucket.org/johannaj/empKin>

### Bibliometric parametres (as of Dec 4, 2019)

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- H-index: 22
- Total number of citations: 3,535
- Citation report: [https://scholar.google.is/citations?user=DZ\\_-bJwAAAAJ&hl=en&oi=ao](https://scholar.google.is/citations?user=DZ_-bJwAAAAJ&hl=en&oi=ao)

### Service

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**2019 – 2021** Program committee member for MS studies in biostatistics at the University of Iceland

### Referring for journals and funders (incomplete list)

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- Co-reviewed manuscripts with my advisor, Dr. Daniel E. Weeks, for JAMA (2006), Nature Genetics (2006), Human Mutation (2006), Human Molecular Genetics (2007).



Jóhanna Jakobsdóttir  
Curriculum vitae

- Reviewed manuscripts for Current Eye Research (2007), PLoS ONE (2008), Human Heredity (2009), Archives of Ophthalmology (2010), Current Eye Research (2011), Genetic Epidemiology (2011, 2013, 2014, 2015).
- Reviewed grant applications for University of Iceland PhD fund (2018).