BIOSKETCH for ANDERS D. BØRGLUM, MD, PhD

Anders Børglum is Professor of Medical Genetics and Chair of Personalized Medicine Research at Department of Biomedicine, Aarhus University (AU). He is also Director of Center for Genomics and Personalized Medicine, Leader of Aarhus Genome-data Center and Chair of the Personalized Medicine Network, AU.

His research focuses on identifying genes that confer risk or resilience to psychiatric disorders, functional characterization of the identified genes and translating the genetic insights to advance precision medicine in psychiatry. The research involves large-scale genomics studies of tens or hundreds of thousands of individuals, analyzing comprehensive multidimensional health and biological omics data.

Anders Børglum was the founding Scientific Director and main applicant of the initial iPSYCH proposal on integrative psychiatric research, describing the main aims and overall activities for 9 years. iPSYCH has established one of the largest psychiatric genetic projects in the world with a database comprising genetic data on practically all individuals diagnosed with 6 major psychiatric disorders born in Denmark since 1981, cross-linked with comprehensive health-related data from the Danish registers.
The scientific output from this program as of April 2023 included >1,100 papers, cited >52,000 times (WoS). More information on iPSYCH here, and video from the opening ceremony (in Danish) here.

In addition to his roles at AU, Anders Børglum is deeply engaged in the international Psychiatric Genomics Consortium (PGC), serving as Chair of the PGC Autism Group, member of the PGC Coordinating Committee and active in several PGC disorder groups.

Anders Børglum has led or co-led large genome-wide studies of major psychiatric disorders, including autism, ADHD, disruptive behavior disorders, schizophrenia, depression and cannabis use disorder, identifying the first risk variants for several of these disorders. He has contributed to numerous other studies of mental disorders. The papers provide novel understanding of etiologies, biological underpinnings and the remarkable genetic overlap across disorders and further the field towards precision psychiatry (see selected papers below).

CV (short) for ANDERS D. BØRGLUM, MD, PhD

Education

1990	Diploma in Medical Science from Aarhus University (AU).
1991	Medical Doctor (MD) from AU.
1996	PhD in Human Genetics from AU.
1996	"B-authorization" to conduct independent medical practice.

Positions

1989-90	Pre-graduate Research Fellow at Institute of Human Genetics, AU.
1991-95	Research Assistant, Institute of Human Genetics, AU.
1995-96	Internship, Silkeborg Central Hospital and Havndal Medical House.
1996-98	Assistant Research Professor, Institute of Human Genetics, AU.
1998-05	Associate Professor, Institute of Human Genetics, AU.
2003-11	Head of Institute of Human Genetics, AU.
2004-14	Research Consultant, AU Psychiatric Hospital

2005- Professor in Medical Genetics, Institute of Human Genetics (now Department of Biomedicine), AU
2012- Director, AU Interdisciplinary Centre for Integrative Sequencing, *i*SEQ
2017- Director, Center for Genomics and Personalized Medicine (CGPM), Aarhus and Central Denmark Region

Positions of trust

- Chair of the Autism Spectrum Disorder Working Group of the Psychiatric Genomics Consortium (PGC).
- Member of the PGC Coordinating Committee.
- Chair of Personalized Medicine Network, AU.
- Chair of Personalized Medicine Research Theme, Department of Biomedicine, AU
- Chair of HPC (High Performance Computing) Forum, AU.
- Member of the Steering Committee for CONNECT at AU Hospital.

Bibliographic overview

379 peer-reviewed publications. 6 patent applications. Publishing in major journals, e.g. Nature, Science, Nature Genetics, Nature Neuroscience, Nature Medicine, Cell, NEJM, Nat Commun, Nature Human Behaviour, Lancet Psych, Mol Psychiatry, Biol Psychiatry, Am J Hum Genet.
ORCID 0000-0001-8627-7219
Pubmed: https://www.ncbi.nlm.nih.gov/pubmed/?term=borglum+a

Total citations: 72,167; H-index: 108 (Google Scholar Jan 2026)

PhD students & postdocs supervised

24 and 24, respectively.

Research management experience

- Head of Institute of Human Genetics for 8 years.
- Center director (iSEQ and CGPM) for 10 years.
- Chair of PGC Autism Group and member of the PGC Coordinating Committee
- PI in iPSYCH, co-leading around 150 iPSYCH researchers.
- Leader of Børglum Lab, an international and interdisciplinary team of medical, statistical and bioinformatical geneticists, computer scientists, statisticians and molecular biologists (currently 15 members, incl. 5 Ass Professors and 5 Postdocs).

Selected grants, awards and other qualifications

- PI (among 6 PIs) of iPSYCH and main applicant of first application receiving 121 mill DKK from the Lundbeck Foundation (LF) 2012-15. 2015-21, iPSYCH received additional 2x120 mill DKK from LF.
- Main applicant and Director of *i*SEQ center awarded 20 mill DKK from AU 2012-17. Extended 2017-2022 and expanded into the Center for Genomics and Personalized Medicine (basic budget: 6,15 mill DKK per year).
- Grants from Danish research councils, EU (FP7, H2020, H Europe) and NIMH on mental disorders.
- The Richard Todd Award 2025 for outstanding contributions to the genetics of child psychiatry; The Bagger-Sørensen Prize 2023 for groundbreaking autism research; Hjerrilds award for excellence in medical genetics research, 2006.
- Several invited talks at national and international congresses and meetings.
- Reviewer for several journals, incl top tier journals e.g. Science, Nature, Nature Genetics, Nature Neuroscience, Nature Human Behaviour. Guest editor for PNAS.
- Served on expert panels for the SFI Ireland and the Research Council for Health, Finland.

- Member and among the founders of the Nordic Society of Human Genetics and Precision Medicine.
- CEO and co-founder of the research spin-off company PsychoGenetics, 2008-2014
- Included in Krak's Blue Book (https://en.wikipedia.org/wiki/Kraks_Blå_Bog), 2014-

Selected publications since 2017

1. Demontis D, Duan J, Hsu YH, Pintacuda G, Grove J, Nielsen TT, Thirstrup J, Martorana M, Botts T, Satterstrom FK, Bybjerg-Grauholm J, Tsai JHY, Glerup S, Hoogman M, Buitelaar J, Klein M, Ziegler GC, Jacob C, Grimm O, Bayas M, Kobayashi NF, Kittel-Schneider S, Lesch KP, Franke B, Reif A, Agerbo E, Werge T, Nordentoft M, Mors O, Mortensen PB, Lage K, Daly MJ, Neale BM, **Børglum AD**. Rare genetic variants confer a high risk of ADHD and implicate neuronal biology. ***Nature* 2026**, 649(8098):909-917.
2. Grotzinger et al. Mapping the genetic landscape across 14 psychiatric disorders. ***Nature* 2026**, 649(8096):406-415.
3. Zhang X, Grove J, Gu Y, Buus CK, Nielsen LK, Neufeld SAS, Koko M, Malawsky DS, Wade EM, Verhoef E, Gui A, Hegemann L; APEX Consortium; iPSYCH Autism Consortium; PGC-PTSD Consortium; Geschwind DH, Wray NR, Havdahl A, Ronald A, St Pourcain B, Robinson EB, Bourgeron T, Baron-Cohen S, **Børglum AD**, Martin HC, Warrier V. Polygenic and developmental profiles of autism differ by age at diagnosis. ***Nature* 2025**, 646(8087):1146-1155.
4. Als TD, Kurki M, Grove J, Voloudakis G, Therrien K, Tasanko E, Nielsen TT, Naamanka J, Veerapen K, Levey D, Bendl J, Bybjerg-Grauholm J, Zheng B, Demontis D, Rosengren A, Athanasiadis G, Bækved-Hansen M, Qvist P, Walters GB, Thorgeirsson T, Stefánsson H, Musliner KL, Rajagupal VM, Farajzadeh L, Thirstrup J, Vilhjálmsson BJ, McGrath JJ, Mattheisen M, Meier S, Agerbo E, Stefánsson K, Nordentoft M, Werge T, Hougaard DM, Mortensen PB, Stein MB, Gelernter J, Hovatta I, Roussos P,. Daly MJ, Mors O, Palotie A, **Børglum AD**. Depression pathophysiology, risk prediction of recurrence and comorbid psychiatric disorders using genome-wide analyses. ***Nature Medicine* 2023**, 55(2):198-208.
5. Demontis D, Walters GB, Athanasiadis G, Walters R, Therrien K, Nielsen TT, Farajzadeh L, Voloudakis G, Bendl J, Zeng B, Zhang W, Grove J, Als TD, Duan J, Satterstrom FK, Bybjerg-Grauholm J, Bækved-Hansen M, Gudmundsson OO, Magnusson SH, Baldursson G, Davidsdottir K, Haraldsdottir GS, Agerbo E, Hoffman GE, Dalsgaard S, Martin J, Ribasés M, Boomsma DI, Soler Artigas M, Roth Mota N, Howrigan D, Medland SE, Zayats T, Rajagopal VM; ADHD Working Group of the Psychiatric Genomics Consortium; iPSYCH-Broad Consortium; Nordentoft M, Mors O, Hougaard DM, Mortensen PB, Daly MJ, Faraone SV, Stefansson H, Roussos P, Franke B, Werge T, Neale BM, Stefansson K, **Børglum AD**. Genome-wide analyses of attention deficit hyperactivity disorder identify 27 risk loci, refine the genetic architecture, and implicate several cognitive domains. ***Nature Genetics* 2023**, 55(2):198-208.
6. Rajagopal VM, Duan J, Vilar-Ribó L, Grove J, Zayats T, Ramos-Quiroga JA, Satterstrom FK, Artigas MS, Bybjerg-Grauholm J, Bækvad-Hansen M, Als TD, Rosengren A, Daly MJ, Neale BM, Nordentoft M, Werge T, Mors O, Hougaard DM, Mortensen PB, Ribasés M, **Børglum AD**, Demontis D. Differences in the genetic architecture of common and rare variants in childhood, persistent and late-diagnosed attention-deficit hyperactivity disorder. ***Nat Genet* 2022**; 54(8):1117-1124.
7. Mattheisen, M.; Grove, J.; Als, T.D., Martin, J.; Voloudakis, G.; Meier, S.; Demontis, D.; Bendl, J.; Walters R.; Carey, C.E.; Rosengren, A.; Strom, N.I.; Hauberg, M.E.; Zeng, B.; Hoffman, G.; Zhang, W.; Bybjerg-Grauholm, J.; Bækvad-Hansen, M.; Agerbo, E.; Cormand, B.; Nordentoft, M.; Werge, T.; Mors, O.; Hougaard, D.M.; Buxbaum, J.D.; Faraone, S.V.; Franke, B.; Dalsgaard, S.; Mortensen, P.B.; Robinson, E.B.; Roussos, P.B.; Neale, B.M.; Daly, M.J.; **Børglum, A.D.** Identification of shared and differentiating genetic architecture for autism spectrum disorder, attention deficit hyperactivity disorder and case subgroups. ***Nat Genet* 2022**, 54(10):1470-1478.
8. Demontis, D.; Walters, R. K.; Rajagopal, V. M.; Waldman, I. D.; Grove, J.; Als, T. D.; Dalsgaard, S.; Ribasas, M.; Bybjerg-Grauholm; J.; Bækvad-Hansen, M.; Werge, T.; Nordentoft, M.; Mors, O.; Mortensen, P. B.; Working Group of the Psychiatric Genomics Consortium; Cormand, B.; Hougaard, D.; Neale, B. M.; Franke, B.; Faraone, S. V.; **Børglum,**

A. D. Identification of risk variants and characterization of the polygenic architecture of disruptive behavior disorders in the context of ADHD. ***Nat Commun*** **2021**, 12, 576.

9. Johnson, E. C.; Demontis, D.; Thorgeirsson, T. E.; Walters, R. K.; Polimanti, R.; Hatoum, A. S.; Sanchez-Roige, S.; Paul, S. E.; Wendt, F. R.; Clarke, T. K.; Lai, D.; Reginsson, G. W.; Zhou, H.; He, J.; Baranger, D. A. A.; Gudbjartsson, D. F.; Wedow, R.; Adkins, D. E.; Adkins, A. E.; Alexander, J.; Bacanu, S. A.; Bigdeli, T. B.; Boden, J.; Brown, S. A.; Bucholz, K. K.; Bybjerg-Grauholm, J.; Corley, R. P.; Degenhardt, L.; Dick, D. M.; Domingue, B. W.; Fox, L.; Goate, A. M.; Gordon, S. D.; Hack, L. M.; Hancock, D. B.; Hartz, S. M.; Hickie, I. B.; Hougaard, D. M.; Krauter, K.; Lind, P. A.; McClintick, J. N.; McQueen, M. B.; Meyers, J. L.; Montgomery, G. W.; Mors, O.; Mortensen, P. B.; Nordentoft, M.; Pearson, J. F.; Peterson, R. E.; Reynolds, M. D.; Rice, J. P.; Runarsdottir, V.; Saccone, N. L.; Sherva, R.; Silberg, J. L.; Tarter, R. E.; Tyrfingsson, T.; Wall, T. L.; Webb, B. T.; Werge, T.; Wetherill, L.; Wright, M. J.; Zellers, S.; Adams, M. J.; Bierut, L. J.; Boardman, J. D.; Copeland, W. E.; Farrer, L. A.; Foroud, T. M.; Gillespie, N. A.; Grucza, R. A.; Harris, K. M.; Heath, A. C.; Hesselbrock, V.; Hewitt, J. K.; Hopfer, C. J.; Horwood, J.; Iacono, W. G.; Johnson, E. O.; Kendler, K. S.; Kennedy, M. A.; Kranzler, H. R.; Madden, P. A. F.; Maes, H. H.; Maher, B. S.; Martin, N. G.; McGue, M.; McIntosh, A. M.; Medland, S. E.; Nelson, E. C.; Porjesz, B.; Riley, B. P.; Stallings, M. C.; Vanyukov, M. M.; Vrieze, S.; Davis, L. K.; Bogdan, R.; Gelernter, J.*; Edenberg, H. J.*; Stefansson, K*.; **Børglum, A. D.***; Agrawal, A.* (***co-senior authors**). A large-scale genome-wide association study meta-analysis of cannabis use disorder. ***Lancet Psychiatry*** **2020,** *7* (12), 1032-1045.
10. Satterstrom, F. K.; Kosmicki, J. A.; Wang, J.; Breen, M. S.; De Rubeis, S.; An, J. Y.; Peng, M.; Collins, R.; Grove, J.; Klei, L.; Stevens, C.; Reichert, J.; Mulhern, M. S.; Artomov, M.; Gerges, S.; Sheppard, B.; Xu, X.; Bhaduri, A.; Norman, U.; Brand, H.; Schwartz, G.; Nguyen, R.; Guerrero, E. E.; Dias, C.; Betancur, C.; Cook, E. H.; Gallagher, L.; Gill, M.; Sutcliffe, J. S.; Thurm, A.; Zwick, M. E.; **Børglum, A. D**.; State, M. W.; Cicek, A. E.; Talkowski, M. E.; Cutler, D. J.; Devlin, B.; Sanders, S. J.; Roeder, K.; Daly, M. J.; Buxbaum, J. D., Large-Scale Exome Sequencing Study Implicates Both Developmental and Functional Changes in the Neurobiology of Autism. ***Cell*** **2020,** *180* (3), 568-584.e23.
11. Satterstrom, F. K.; Walters, R. K.; Singh, T.; Wigdor, E. M.; Lescai, F.; Demontis, D.; Kosmicki, J. A.; Grove, J.; Stevens, C.; Bybjerg-Grauholm, J.; Bækvad-Hansen, M.; Palmer, D. S.; Maller, J. B.; Nordentoft, M.; Mors, O.; Robinson, E. B.; Hougaard, D. M.; Werge, T. M.; Bo Mortensen, P.; Neale, B. M.; **Børglum, A. D.***; Daly, M. J*. (***co-senior authors**). Autism spectrum disorder and attention deficit hyperactivity disorder have a similar burden of rare protein-truncating variants. ***Nat Neurosci*** **2019,** *22* (12), 1961-1965.
12. Grove, J.; Ripke, S.; Als, T. D.; Mattheisen, M.; Walters, R. K.; Won, H.; Pallesen, J.; Agerbo, E.; Andreassen, O. A.; Anney, R.; Awashti, S.; Belliveau, R.; Bettella, F.; Buxbaum, J. D.; Bybjerg-Grauholm, J.; Bækvad-Hansen, M.; Cerrato, F.; Chambert, K.; Christensen, J. H.; Churchhouse, C.; Dellenvall, K.; Demontis, D.; De Rubeis, S.; Devlin, B.; Djurovic, S.; Dumont, A. L.; Goldstein, J. I.; Hansen, C. S.; Hauberg, M. E.; Hollegaard, M. V.; Hope, S.; Howrigan, D. P.; Huang, H.; Hultman, C. M.; Klei, L.; Maller, J.; Martin, J.; Martin, A. R.; Moran, J. L.; Nyegaard, M.; Nærland, T.; Palmer, D. S.; Palotie, A.; Pedersen, C. B.; Pedersen, M. G.; dPoterba, T.; Poulsen, J. B.; Pourcain, B. S.; Qvist, P.; Rehnström, K.; Reichenberg, A.; Reichert, J.; Robinson, E. B.; Roeder, K.; Roussos, P.; Saemundsen, E.; Sandin, S.; Satterstrom, F. K.; Davey Smith, G.; Stefansson, H.; Steinberg, S.; Stevens, C. R.; Sullivan, P. F.; Turley, P.; Walters, G. B.; Xu, X.; Stefansson, K.; Geschwind, D. H.; Nordentoft, M.; Hougaard, D. M.; Werge, T.; Mors, O.; Mortensen, P. B.; Neale, B. M.; Daly, M. J.*; **Børglum, A. D**.* (***co-senior authors**). Identification of common genetic risk variants for autism spectrum disorder. ***Nat Genet*** **2019,** *51* (3), 431-444
13. Demontis, D.; Walters, R. K.; Martin, J.; Mattheisen, M.; Als, T. D.; Agerbo, E.; Baldursson, G.; Belliveau, R.; Bybjerg-Grauholm, J.; Bækvad-Hansen, M.; Cerrato, F.; Chambert, K.; Churchhouse, C.; Dumont, A.; Eriksson, N.; Gandal, M.; Goldstein, J. I.; Grasby, K. L.; Grove, J.; Gudmundsson, O. O.; Hansen, C. S.; Hauberg, M. E.; Hollegaard, M. V.; Howrigan, D. P.; Huang, H.; Maller, J. B.; Martin, A. R.; Martin, N. G.; Moran, J.; Pallesen, J.; Palmer, D. S.; Pedersen, C. B.; Pedersen, M. G.; Poterba, T.; Poulsen, J. B.; Ripke, S.; Robinson, E. B.; Satterstrom, F. K.; Stefansson, H.; Stevens, C.; Turley, P.; Walters, G. B.; Won, H.; Wright, M. J.; Andreassen, O. A.; Asherson, P.; Burton, C. L.; Boomsma, D. I.; Cormand, B.; Dalsgaard, S.; Franke, B.; Gelernter, J.; Geschwind, D.; Hakonarson, H.; Haavik, J.; Kranzler, H. R.; Kuntsi, J.; Langley, K.; Lesch, K. P.; Middeldorp, C.; Reif, A.; Rohde, L. A.; Roussos, P.; Schachar, R.; Sklar, P.; Sonuga-Barke, E. J. S.; Sullivan, P. F.; Thapar, A.; Tung, J. Y.;

Waldman, I. D.; Medland, S. E.; Stefansson, K.; Nordentoft, M.; Hougaard, D. M.; Werge, T.; Mors, O.; Mortensen, P. B.; Daly, M. J.; Faraone, S. V.*; **Børglum, A. D*.;** Neale, B. M* (***co-senior authors**). Discovery of the first genome-wide significant risk loci for attention deficit/hyperactivity disorder. ***Nat Genet*** **2019,** *51* (1), 63-75.

14. Demontis, D.; Rajagopal, V. M.; Thorgeirsson, T. E.; Als, T. D.; Grove, J.; Leppälä, K.; Gudbjartsson, D. F.; Pallesen, J.; Hjorthøj, C.; Reginsson, G. W.; Tyrfingsson, T.; Runarsdottir, V.; Qvist, P.; Christensen, J. H.; Bybjerg-Grauholm, J.; Bækvad-Hansen, M.; Huckins, L. M.; Stahl, E. A.; Timmermann, A.; Agerbo, E.; Hougaard, D. M.; Werge, T.; Mors, O.; Mortensen, P. B.; Nordentoft, M.; Daly, M. J.; Stefansson, H.; Stefansson, K.; Nyegaard, M.; **Børglum, A. D**. Genome-wide association study implicates CHRNA2 in cannabis use disorder. ***Nat Neurosci*** **2019,** *22* (7), 1066-1074
15. Wray, N. R.; Ripke, S.; Mattheisen, M.; Trzaskowski, M.; Byrne, E. M.; Abdellaoui, A.; Adams, M. J.; Agerbo, E.; Air, T. M.; Andlauer, T. M. F.; Bacanu, S. A.; Bækvad-Hansen, M.; Beekman, A. F. T.; Bigdeli, T. B.; Binder, E. B.; Blackwood, D. R. H.; Bryois, J.; Buttenschøn, H. N.; Bybjerg-Grauholm, J.; Cai, N.; Castelao, E.; Christensen, J. H.; Clarke, T. K.; Coleman, J. I. R.; Colodro-Conde, L.; Couvy-Duchesne, B.; Craddock, N.; Crawford, G. E.; Crowley, C. A.; Dashti, H. S.; Davies, G.; Deary, I. J.; Degenhardt, F.; Derks, E. M.; Direk, N.; Dolan, C. V.; Dunn, E. C.; Eley, T. C.; Eriksson, N.; Escott-Price, V.; Kiadeh, F. H. F.; Finucane, H. K.; Forstner, A. J.; Frank, J.; Gaspar, H. A.; Gill, M.; Giusti-Rodríguez, P.; Goes, F. S.; Gordon, S. D.; Grove, J.; Hall, L. S.; Hannon, E.; Hansen, C. S.; Hansen, T. F.; Herms, S.; Hickie, I. B.; Hoffmann, P.; Homuth, G.; Horn, C.; Hottenga, J. J.; Hougaard, D. M.; Hu, M.; Hyde, C. L.; Ising, M.; Jansen, R.; Jin, F.; Jorgenson, E.; Knowles, J. A.; Kohane, I. S.; Kraft, J.; Kretzschmar, W. W.; Krogh, J.; Kutalik, Z.; Lane, J. M.; Li, Y.; Li, Y.; Lind, P. A.; Liu, X.; Lu, L.; MacIntyre, D. J.; MacKinnon, D. F.; Maier, R. M.; Maier, W.; Marchini, J.; Mbarek, H.; McGrath, P.; McGuffin, P.; Medland, S. E.; Mehta, D.; Middeldorp, C. M.; Mihailov, E.; Milaneschi, Y.; Milani, L.; Mill, J.; Mondimore, F. M.; Montgomery, G. W.; Mostafavi, S.; Mullins, N.; Nauck, M.; Ng, B.; Nivard, M. G.; Nyholt, D. R.; O'Reilly, P. F.; Oskarsson, H.; Owen, M. J.; Painter, J. N.; Pedersen, C. B.; Pedersen, M. G.; Peterson, R. E.; Pettersson, E.; Peyrot, W. J.; Pistis, G.; Posthuma, D.; Purcell, S. M.; Quiroz, J. A.; Qvist, P.; Rice, J. P.; Riley, B. P.; Rivera, M.; Saeed Mirza, S.; Saxena, R.; Schoevers, R.; Schulte, E. C.; Shen, L.; Shi, J.; Shyn, S. I.; Sigurdsson, E.; Sinnamon, G. B. C.; Smit, J. H.; Smith, D. J.; Stefansson, H.; Steinberg, S.; Stockmeier, C. A.; Streit, F.; Strohmaier, J.; Tansey, K. E.; Teismann, H.; Teumer, A.; Thompson, W.; Thomson, P. A.; Thorgeirsson, T. E.; Tian, C.; Traylor, M.; Treutlein, J.; Trubetskoy, V.; Uitterlinden, A. G.; Umbricht, D.; Van der Auwera, S.; van Hemert, A. M.; Viktorin, A.; Visscher, P. M.; Wang, Y.; Webb, B. T.; Weinsheimer, S. M.; Wellmann, J.; Willemsen, G.; Witt, S. H.; Wu, Y.; Xi, H. S.; Yang, J.; Zhang, F.; Arolt, V.; Baune, B. T.; Berger, K.; Boomsma, D. I.; Cichon, S.; Dannlowski, U.; de Geus, E. C. J.; DePaulo, J. R.; Domenici, E.; Domschke, K.; Esko, T.; Grabe, H. J.; Hamilton, S. P.; Hayward, C.; Heath, A. C.; Hinds, D. A.; Kendler, K. S.; Kloiber, S.; Lewis, G.; Li, Q. S.; Lucae, S.; Madden, P. F. A.; Magnusson, P. K.; Martin, N. G.; McIntosh, A. M.; Metspalu, A.; Mors, O.; Mortensen, P. B.; Müller-Myhsok, B.; Nordentoft, M.; Nöthen, M. M.; O'Donovan, M. C.; Paciga, S. A.; Pedersen, N. L.; Penninx, B.; Perlis, R. H.; Porteous, D. J.; Potash, J. B.; Preisig, M.; Rietschel, M.; Schaefer, C.; Schulze, T. G.; Smoller, J. W.; Stefansson, K.; Tiemeier, H.; Uher, R.; Völzke, H.; Weissman, M. M.; Werge, T.; Winslow, A. R.; Lewis, C. M.*; Levinson, D. F.*; Breen, G.*; **Børglum, A. D.***; Sullivan, P. F.* (***co-senior authors**). Genome-wide association analyses identify 44 risk variants and refine the genetic architecture of major depression. ***Nat Genet*** **2018,** *50* (5), 668-681.
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17. Trubetskoy, V. *et al.* Mapping genomic loci implicates genes and synaptic biology in schizophrenia. ***Nature*** **2022**, 502-508, doi:10.1038/s41586-022-04434-5 (2022).

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