

Tune H Pers  
Associate Professor - Promotion Programme  
Pers Group  
**Postal address:**  
Blegdamsvej 3B, Mærsk Tårnet, 8. sal, 2200 København N.  
**Email:** tune.pers@sund.ku.dk  
**Phone:** +4535335755  
**Web:** <https://www.cbmr.ku.dk>



## Employment

### Associate Professor - Promotion Programme

Pers Group

København N.

31 Oct 2015 → nu

### Senior Scientist

Statens Serum Institut

København, Denmark

1 Jan 2015 → 1 Jan 2018

### Senior Research Fellow

Children's Hospital Boston, Boston, Massachusetts

United States

1 Aug 2011 → 31 Dec 2015

## Research outputs

### An RNA-seq atlas of mouse brain areas during fasting and diet-induced obesity

Todorov, Petar Vladimirov, Klein, A. B., Egerod, Kristoffer Lihme, Clemmensen, Christoffer & Pers, Tune H, 2024, In: Scientific Data. 11, 8 p., 44.

### Protection against overfeeding-induced weight gain is preserved in obesity but does not require FGF21 or MC4R

Lund, Camilla, Ranea-Robles, Pablo, Falk, S., Belmont-Rausch, Dylan Matthew, Skovbjerg, G., Vibe-Petersen, V. K., Krauth, Nathalie, Skytte, J. L., Vana, V., Roostalu, U., Pers, Tune H, Lund, Jens & Clemmensen, Christoffer, 2024, In: Nature Communications. 15, 1192.

### Protocol for flow cytometry-assisted single-nucleus RNA sequencing of human and mouse adipose tissue with sample multiplexing

Gulko, A., Essene, A., Belmont-Rausch, Dylan Matthew, Veregge, M., Pant, D., Tenen, D., Kapel, Benedicte Schultz, Emont, M. P., Pers, Tune H, Rosen, E. D. & Tsai, L. T., 2024, In: STAR Protocols. 5, 1, 21 p., 102893.

### A single-cell, time-resolved profiling of *Xenopus* mucociliary epithelium reveals nonhierarchical model of development

Lee, J., Møller, A. F., Chae, S., Bussek-Sedzinski, Alexandra Maria, Park, T. J., Kim, Y., Lee, H. S., Pers, Tune H, Kwon, T., Sedzinski, Jakub & Natarajan, K. N., 2023, In: Science Advances. 9, 14, p. eadd5745 23 p.

### Adipogenic and SWAT cells separate from a common progenitor in human brown and white adipose depots

Palani, Nagendra Prasad, Horvath, C., Timshel, P. N., Folkertsma, P., Grønning, Alexander GB, Henriksen, T. I., Peijs, Lone, Jensen, V. H., Sun, W., Jespersen, N. Z., Wolfrum, C., Pers, Tune H, Nielsen, S. & Schéele, Camilla Charlotte Nielsen, 2023, In: Nature Metabolism. 5, 6, p. 996-1013 18 p.

### Assessing household lifestyle exposures from consumer purchases, the My Purchases cohort

Møller, F. T., Junker, T. G., Sørensen, Kathrine Kold, Eves, C., Wohlfahrt, J., Dillner, J., Torp-Pedersen, Christian, Wilkowski, B., Chong, S., Pers, Tune H, Yakimov, V., Müller, H., Ethelberg, Steen & Melbye, M., 2023, In: Scientific Reports. 13, 12 p., 21601.

### **GLP-1 and nicotine combination therapy engages hypothalamic and mesolimbic pathways to reverse obesity**

Falk, S., Petersen, Jonas Odgaard, Svendsen, C. S. A., Leguizamon, Cesar Ramon Romero, Jørgensen, Søren Heide, Krauth, Nathalie, Ludwig, M. Q., Jørgensen, Kathrine Lundø, Roostalu, U., Hjort-Gregersen, G. S., Nielsen, D. A. G., Ejdrup, Aske Lykke, Pers, Tune H, Dmytriyeva, O., Hecksher-Soerensen, J., Gether, Ulrik, Kohlmeier, Kristi Anne & Clemmensen, Christoffer, 2023, In: Cell Reports. 42, 5, 18 p., 112466.

### **GWAS of random glucose in 476,326 individuals provide insights into diabetes pathophysiology, complications and treatment stratification**

Lagou, V., Jiang, L., Ulrich, A., Zudina, L., González, K. S. G., Balkhiyarova, Z., Faggian, A., Maina, J. G., Chen, S., Todorov, P. V., Sharapov, S., David, A., Marullo, L., Mägi, R., Rujan, R. M., Ahlqvist, E., Thorleifsson, G., Gao, H., Evangelou, E., Benyamin, B. & 78 others, Scott, R. A., Isaacs, A., Zhao, J. H., Willems, S. M., Johnson, T., Gieger, C., Grallert, H., Meisinger, C., Müller-Nurasyid, M., Strawbridge, R. J., Goel, A., Rybin, D., Albrecht, E., Jackson, A. U., Stringham, H. M., Corrêa, I. R., Farber-Eger, E., Steinthorsdottir, V., Uitterlinden, A. G., Munroe, P. B., Brown, M. J., Schmidberger, J., Holmen, O., Thorand, B., Hveem, K., Wilsgaard, T., Mohlke, K. L., Wang, Z., den Hoed, M., Shmeliov, A., den Hoed, M., Loos, Ruth, Kratzer, W., Haenle, M., Koenig, W., Boehm, B. O., Tan, T. M., Tomas, A., Salem, V., Barroso, I., Tuomilehto, J., Boehnke, M., Florez, J. C., Hamsten, A., Watkins, H., Njølstad, I., Wichmann, H. E., Caulfield, M. J., Khaw, K. T., van Duijn, C. M., Hofman, A., Wareham, N. J., Langenberg, C., Whitfield, J. B., Martin, N. G., Montgomery, G., Scapoli, C., Tzoulaki, I., Elliott, P., Thorsteinsdottir, U., Stefansson, K., Brittain, E. L., McCarthy, M. I., Froguel, P., Sexton, P. M., Wootton, D., Groop, L., Dupuis, J., Meigs, J. B., Deganutti, G., Demirkan, A., Pers, Tune H, Reynolds, C. A., Aulchenko, Y. S., Kaakinen, M. A., Jones, B., Prokopenko, I. & van Duijn, C. M., 2023, In: Nature Genetics. 55, 9, p. 1448-1461 14 p.

### **Molecular Connectomics Reveals a Glucagon-Like Peptide 1 Sensitive Neural Circuit for Satiety**

Webster, A. N., Becker, J. J., Li, C., Schwalbe, D. C., Kerspern, D., Karolczak, E. O., Godschall, E. N., Belmont-Rausch, Dylan Matthew, Pers, Tune H, Lutas, A., Habib, N., Güler, A. D., Krashes, M. J. & Campbell, J. N., 2023, bioRxiv, 47 p.

### **Molecular Consequences of Peripheral Influenza A Infection on Cell Populations in the Murine Hypothalamus**

Lemcke, René, Jensen, Christine Egebjerg, Pagh-Berendtsen, Nicolai, Egerod, Kristoffer Lihme, Thomsen, Allan Randrup, Pers, Tune H, Christensen, Jan Pravsgaard & Kornum, Birgitte Rahbek, 2023, 31 p.

### **Molecular consequences of peripheral Influenza A infection on cell populations in the murine hypothalamus**

Lemcke, René, Jensen, Christine Egebjerg, Pagh-Berendtsen, Nicolai, Egerod, Kristoffer Lihme, Thomsen, Allan Randrup, Pers, Tune H, Christensen, Jan Pravsgaard & Kornum, Birgitte Rahbek, 2023, In: eLife. 12, 28 p., RP87515.

### **Elucidating the relationship between migraine risk and brain structure using genetic data**

International Headache Genetics Consortium, I. H. G. C., 1 Sep 2022, In: Brain. 145, 9, p. 3214-3224 11 p.

### **A single-cell atlas of human and mouse white adipose tissue**

Emont, M. P., Jacobs, C., Essene, A. L., Pant, D., Tenen, D., Colleluori, G., Di Vincenzo, A., Jørgensen, A. M., Dashti, H., Stefek, A., McGonagle, E., Strobel, S., Laber, S., Agrawal, S., Westcott, G. P., Kar, A., Veregge, M. L., Gulko, A., Srinivasan, H., Kramer, Z. & 18 others, De Filippis, E., Merkel, E., Ducie, J., Boyd, C. G., Gourash, W., Courcoulas, A., Lin, S. J., Lee, B. T., Morris, D., Tobias, A., Khera, A. V., Claussnitzer, M., Pers, Tune H, Giordano, A., Ashenberg, O., Regev, A., Tsai, L. T. & Rosen, E. D., 2022, In: Nature. 603, p. 926-933

### **Genetic analysis of dietary intake identifies new loci and functional links with metabolic traits**

Merino, J., Dashti, H. S., Sarnowski, C., Lane, J. M., Todorov, Petar Vladimirov, Udler, M. S., Song, Y., Wang, H., Kim, J., Tucker, C., Campbell, J., Tanaka, T., Chu, A. Y., Tsai, L., Pers, Tune H, Chasman, D., Rutter, M. K., Dupuis, J., Florez, J. C. & Saxena, R., 2022, In: Nature Human Behaviour. 6, p. 155-163 17 p.

### **Genome-wide association analyses of physical activity and sedentary behavior provide insights into underlying mechanisms and roles in disease prevention**

Wang, Z., Emmerich, A., Pillon, N. J., Moore, T., Hemerich, D., Cornelis, M. C., Mazzaferro, E., Broos, S., Ahluwalia, T. S., Bartz, T. M., Bentley, A. R., Bielak, L. F., Chong, M., Chu, A. Y., Berry, D., Dorajoo, R., Dueker, N. D., Kasbohm, E., Feenstra, B., Feitosa, M. F. & 32 others, Gieger, C., Graff, M., Hall, L. M., Haller, T., Hartwig, F. P., Hillis, D. A., Huikari, V., Heard-Costa, N., Holzapfel, C., Jackson, A. U., Johansson, A., Jørgensen, A. M., Kaakinen, M. A., Karlsson, R., Kerr, K. F., Kim, B., Koolhaas, C. M., Kutalik, Z., Pacolet, A., Zhao, J., Balslev-Harder, M. N., Grarup, Niels, Linneberg, Allan René, Hansen, Torben, Melbye, M., Pedersen, Oluf Borbye, Pers, Tune H, Sørensen, Thorkild I.A., Zierath, Juleen R, Kilpeläinen, Tuomas O., Loos, Ruth & LifeLines Cohort Study, L. C. S., 2022, In: Nature Genetics. 54, p. 1332-1344 25 p.

### **Genome-wide association study of febrile seizures implicates fever response and neuronal excitability genes**

Skotte, L., Fadista, J., Bybjerg-Grauholm, J., Appadurai, V., Hildebrand, M. S., Hansen, T. F., Banasik, K., Grove, J., Albiñana, C., Geller, F., Bjurström, C. F., Vilhjálmsson, B. J., Coleman, M., Damiano, J. A., Burgess, R., Scheffer, I. E., Pedersen, O. B. V., Erikstrup, C., Westergaard, D., Nielsen, K. R. & 19 others, Sørensen, E., Bruun, M. T., Liu, X., Hjalgrim, Henrik, Pers, Tune H, Mortensen, P. B., Mors, O., Nordentoft, Merete, Dreier, J. W., Børglum, A. D., Christensen, J., Hougaard, D. M., Buil, A., Hviid, Anders Peter, Melbye, M., Ullum, H., Berkovic, S. F., Werge, Thomas & Feenstra, B., 2022, In: *Brain*. 145, 2, p. 555–568

### **Hindbrain circuits in the control of eating behaviour and energy balance**

Cheng, W., Gordian, D., Ludwig, M. Q., Pers, Tune H, Seeley, R. J. & Myers, M. G., 2022, In: *Nature Metabolism*. 4, 7, p. 826-835 10 p.

### **Polygenic prediction of educational attainment within and between families from genome-wide association analyses in 3 million individuals**

Okbay, A., Wu, Y., Wang, N., Jayashankar, H., Bennett, M., Nehzati, S. M., Sidorenko, J., Kweon, H., Goldman, G., Gjorgjieva, T., Jiang, Y., Hicks, B., Tian, C., Hinds, D. A., Ahlskog, R., Magnusson, P. K. E., Oskarsson, S., Hayward, C., Campbell, A., Porteous, D. J. & 31 others, Freese, J., Herd, P., Agee, M., Alipanahi, B., Auton, A., Bell, R. K., Bryc, K., Elson, S. L., Fontanillas, P., Furlotte, N. A., Hinds, D. A., Huber, K. E., Kleinman, A., Litterman, N. K., McCreight, J. C., McIntyre, M. H., Mountain, J. L., Northover, C. A. M., Pitts, S. J., Sathirapongsasuti, J. F., Sazonova, O. V., Shelton, J. F., Pers, Tune H, Timshel, P., Ahluwalia, Tarun Veer Singh, Bønnelykke, Klaus, Bisgaard, H., Sørensen, Thorkild I.A., 23andMe Research Team, 2. R. T., Social Science Genetic Association Consortium, S. S. G. A. C. & LifeLines Cohort Study, L. C. S., 2022, In: *Nature Genetics*. 54, 4, p. 437-449 13 p.

### **Production of human entorhinal stellate cell-like cells by forward programming shows an important role of Foxp1 in reprogramming**

Bergmann, T., Liu, Y., Skov, J., Mogus, L., Lee, J., Pfisterer, U., Handfield, L. F., Asenjo-Martinez, A., Lisa-Vargas, I., Seemann, S. E., Lee, J. T. H., Patikas, N., Kornum, B. R., Denham, M., Hyttel, P., Witter, M. P., Gorodkin, J., Pers, T. H., Hemberg, M., Khodosevich, K. & 1 others, Hall, Vanessa Jane, 2022, In: *Frontiers in Cell and Developmental Biology*. 10, 976549.

### **Sex-Dependent Shared and Nonshared Genetic Architecture Across Mood and Psychotic Disorders**

Blokland, G. A. M., Grove, J., Chen, C. Y., Cotsapas, C., Tobet, S., Handa, R., Ripke, S., Neale, B. M., Corvin, A., Walters, J. T. R., Farh, K. H., Holmans, P. A., Lee, P., Bulik-Sullivan, B., Collier, D. A., Huang, H., Pers, T. H., Agartz, I., Agerbo, E., Albus, M. & 35 others, Alexander, M., Amin, F., Bacanu, S. A., Begemann, M., Belliveau, R. A., Bene, J., Bergen, S. E., Bevilacqua, E., Bigdeli, T. B., Black, D. W., Bruggeman, R., Buccola, N. G., Buckner, R. L., Byerley, W., Cahn, W., Cai, G., Campion, D., Cantor, R. M., Hansen, M., Hansen, T., Li, T., Olsen, L., Bækvad-Hansen, M., Pedersen, C. B., Pedersen, M. G., Hansen, C. S., Hansen, Thomas Folkmann, Nordentoft, Merete, Werge, Thomas, Plath, N., Schizophrenia Working Group of the Psychiatric Genomics Consortium, S. W. G. O. T. P. G. C., Bipolar Disorder Working Group of the Psychiatric Genomics Consortium, B. D. W. G. O. T. P. G. C., Major Depressive Disorder Working Group of the Psychiatric Genomics Consortium, M. D. D. W. G. O. T. P. G. C., Sex Differences Cross-Disorder Analysis Group of the Psychiatric Genomics Consortium, S. D. C. A. G. O. T. P. G. C. & iPSYCH, I., 2022, In: *Biological Psychiatry*. 91, 1, p. 107-117

### **Single-cell transcriptome and cell type-specific molecular pathways of human non-alcoholic steatohepatitis**

Fred, Rikard Göran, Steen Pedersen, J., Thompson, J. J., Lee, J., Timshel, P. N., Stender, S., Rygg, M. O., Gluud, Lise Lotte, Bjerregaard Kristiansen, V., Bendtsen, Flemming, Hansen, Torben & Pers, Tune H, 2022, In: *Scientific Reports*. 12, 1, 13 p., 13484.

### **A Comparison of Ten Polygenic Score Methods for Psychiatric Disorders Applied Across Multiple Cohorts**

Ni, G., Zeng, J., Revez, J. A., Wang, Y., Zheng, Z., Ge, T., Restuadi, R., Kiewa, J., Nyholt, D. R., Coleman, J. R. I., Smoller, J. W., Ripke, S., Neale, B. M., Corvin, A., Walters, J. T. R., Farh, K. H., Holmans, P. A., Lee, P., Bulik-Sullivan, B., Collier, D. A. & 21 others, Huang, H., Pers, Tune H, Agartz, I., Agerbo, E., Albus, M., Alexander, M., Amin, F., Bacanu, S. A., Begemann, M., Belliveau, R. A., Bene, J., Bergen, S. E., Bevilacqua, E., Bigdeli, T. B., Black, D. W., Bruggeman, R., Buccola, N. G., Hansen, M., Hansen, Thomas Folkmann, Schizophrenia Working Group of the Psychiatric Genomics Consortium, S. W. G. O. T. P. G. C. & Major Depressive Disorder Working Group of the Psychiatric Genomics Consortium, M. D. D. W. G. O. T. P. G. C., 2021, In: *Biological Psychiatry*. 90, 9, p. 611-620

### **A genetic map of the mouse dorsal vagal complex and its role in obesity**

Ludwig, M. Q., Cheng, W., Gordian, D., Lee, J., Paulsen, S. J., Hansen, S. N., Egerod, Kristoffer Lihme, Barkholt, P., Rhodes, C. J., Secher, A., Knudsen, L. B., Pyke, C., Myers, M. G. & Pers, Tune H, 2021, In: *Nature Metabolism*. 3, p. 530-545

### **Association and genetic overlap between clinical chemistry tests and migraine**

Tanha, H. M. & The International Headache Genetics Consortium (IHGC), T. I. H. G. C. (., 2021, In: *Cephalalgia*. 41, 11-12, p. 1208-1221 14 p.

### **Bipolar multiplex families have an increased burden of common risk variants for psychiatric disorders**

Andlauer, T. F. M., Guzman-Parra, J., Streit, F., Strohmaier, J., González, M. J., Gil Flores, S., Cabaleiro Fabeiro, F. J., del Río Noriega, F., Perez, F. P., Haro González, J., Orozco Diaz, G., de Diego-Otero, Y., Moreno-Küstner, B., Auburger, G., Degenhardt, F., Heilmann-Heimbach, S., Herms, S., Hoffmann, P., Frank, J., Foo, J. C. & 26 others, Treutlein, J., Witt, S. H., Cichon, S., Kogevinas, M., Stahl, E. A., Breen, G., Forstner, A. J., McQuillin, A., Ripke, S., Trubetskoy, V., Mattheisen, M., Wang, Y., Coleman, J. R. I., Gaspar, H. A., de Leeuw, C. A., Steinberg, S., Pers, Tune H, Bækvad-Hansen, M., Pedersen, C. B., Pedersen, M. G., Hansen, C. S., Nordentoft, Merete, Werge, Thomas, Hansen, Thomas Folkmann, Bipolar Disorder Working Group of the Psychiatric Genomics Consortium, B. D. W. G. O. T. P. G. C. & Major Depressive Disorder Working Group of the Psychiatric Genomics Consortium, M. D. D. W. G. O. T. P. G. C., 2021, In: *Molecular Psychiatry*. 26, 4, p. 1286-1298 13 p.

### **Genetic insights into biological mechanisms governing human ovarian ageing**

Ruth, K. S., Day, F. R., Hussain, J., Martinez-Marchal, A., Aiken, C. E., Azad, A., Thompson, D. J., Knoblochova, L., Abe, H., Tarry-Adkins, J. L., Gonzalez, J. M., Fontanillas, P., Claringbould, A., Bakker, O. B., Sulem, P., Walters, R. G., Terao, C., Turon, S., Horikoshi, M., Lin, K. & 36 others, Onland-Moret, N. C., Sankar, A., Hertz, Emil Peter Thrane, Timshel, P. N., Shukla, V., Borup, R., Olsen, K. W., Aguilera, P., Ferrer-Roda, M., Huang, Y., Stankovic, S., Timmers, P. R. H. J., Ahearn, T. U., Alizadeh, B. Z., Naderi, E., Andrusis, I. L., Arnold, A. M., Aronson, K. J., Augustinsson, A., Bojesen, Stig Egil, Hoffding, M. K., Shrikhande, A., Pers, Tune H, Grøndahl, M. L., tCG964, Lopez-Contreras, Andres, Daniel, J. A., Hoffmann, Eva, Biobank-based Integrative Omics St, B. I. O. S., eQTLGen Consortium, E. C., BioBank Japan Project, B. J. P., China Kadoorie Biobank Collaborati, C. K. B. C., kConFab Investigators, K. I., Lifelines Cohort Study, L. C. S., InterAct Consortium, I. C. & 23 Me Res Team, 2. M. R. T., 2021, In: *Nature*. 596, p. 393-397

### **HIV infection drives interferon signaling within intestinal SARS-CoV-2 target cells**

Fardoos, R., Asowata, O. E., Herbert, N., Nyquist, S. K., Zungu, Y., Singh, A., Ngoepe, A., Mbano, I. M., Mthabela, N., Ramjit, D., Karim, F., Kuhn, W., Madela, F. G., Manzini, V. T., Anderson, F., Berger, B., Pers, Tune H, Shalek, A. K., Leslie, A. & Kløverpris, Henrik Nyhus, 2021, In: *JCI insight*. 6, 16, e148920.

### **Human skeletal muscle CD90<sup>+</sup> fibro-adipogenic progenitors are associated with muscle degeneration in type 2 diabetic patients**

Farup, J., Just, J., de Paoli, F., Lin, L., Jensen, J. B., Billeskov, T., Roman, I. S., Cömert, C., Møller, A. B., Madaro, L., Groppa, E., Fred, R. G., Kampmann, U., Gormsen, L. C., Pedersen, S. B., Bross, P., Stevnsner, T., Eldrup, N., Pers, T. H., Rossi, F. M. V. & 2 others, Puri, P. L. & Jessen, N., 2021, In: *Cell Metabolism*. 33, 11, p. 2201-2214.e11

### **Hypothalamic hormone-sensitive lipase regulates appetite and energy homeostasis**

Johnsen, Cecilie Hundahl, Kotzbeck, P., Burm, Hayley Beth, Christiansen, S. H., Pedersen, Lola Julie Torz, zmw799, zmw799, Madsen, M. P., Ratner, C., Serup, A. K., Thompson, J. J., Eichmann, T. O., Pers, Tune H, Woldbye, David Paul Drucker, Piomelli, D., Kiens, Bente, Zechner, R., Skov, Louise Julie & Holst, Birgitte, 2021, In: *Molecular Metabolism*. 47, 16 p., 101174.

### **Identification of 371 genetic variants for age at first sex and birth linked to externalising behaviour**

Mills, M. C., Tropf, F. C., Brazel, D. M., van Zuydam, N., Vaez, A., Agbessi, M., Ahsan, H., Alves, I., Andiappan, A. K., Arindrarto, W., Awadalla, P., Battle, A., Beutner, F., Jan Bonder, M., Boomsma, D. I., Christiansen, M. W., Claringbould, A., Deelen, P., Esko, T., Favé, M-J. & 33 others, Franke, L., Frayling, T., Gharib, S. A., Gibson, G., Heijmans, B. T., Hemani, G., Jansen, R., Kähönen, M., Kalnapienkis, A., Kasela, S., Kettunen, J., Kim, Y., Kirsten, H., Krohn, K., Kronberg, J., Kukushkina, V., Kutalik, Z., Lee, B., Lehtimäki, T., Loeffler, M., Marigorta, U. M., Mei, H., Milani, L., Montgomery, G. W., Müller-Nurasyid, M., Nauck, M., Nivard, M. G., Penninx, B. W. J. H., Møllegaard, Stine, Pers, Tune H, eQTLGen Consortium, E. C., BIOS Consortium, B. C. & Human Reproductive Behaviour Consortium, H. R. B. C., 2021, In: *Nature Human Behaviour*. 5, p. 1717-1730

### **Isolation and characterization of muscle stem cells, fibro-adipogenic progenitors, and macrophages from human skeletal muscle biopsies**

Jensen, J. B., Møller, A. B., Just, J., Mose, M., de Paoli, F. V., Billeskov, T. B., Fred, Rikard Göran, Pers, Tune H, Pedersen, S. B., Petersen, K. K., Bjerre, M., Farup, J. & Jessen, N., 2021, In: American Journal of Physiology - Cell Physiology. 321, 2, p. C257-C268 12 p.

### **Role of hypothalamic MAPK/ERK signaling and central action of FGF1 in diabetes remission**

Brown, Jenny, Bentsen, M. A., Belmont-Rausch, Dylan Matthew, Phan, B. A., Wieck, D., Wasanwala, H., Matsen, M. E., Acharya, N., Richardson, N. E., Zhao, X., Zhai, P., Secher, A., Morton, G. J., Pers, Tune H, Schwartz, M. W. & Scarlett, J. M., 2021, In: iScience. 24, 9, 19 p., 102944.

### **Single-Cell Mapping of GLP-1 and GIP Receptor Expression in the Dorsal Vagal Complex**

Ludwig, M. Q., Todorov, Petar Vladimirov, Egerod, Kristoffer Lihme, Olson, D. P. & Pers, Tune H, 2021, In: Diabetes. 70, 9, p. 1945-1955 11 p.

### **A genome-wide cross-phenotype meta-analysis of the association of blood pressure with migraine**

Guo, Y., Rist, P. M., Daghlas, I., Giulianini, F., Gormley, P., Anttila, V., Winsvold, B. S., Palta, P., Esko, T., Pers, T. H., Farh, K. H., Cuenca-Leon, E., Muona, M., Furlotte, N. A., Kurth, T., Ingason, A., McMahon, G., Ligthart, L., Terwindt, G. M., Kallela, M. & 32 others, Freilinger, T. M., Ran, C., Gordon, S. G., Stam, A. H., Steinberg, S., Borck, G., Koiranen, M., Quaye, L., Adams, H. H. H., Lehtimäki, T., Sarin, A. P., Wedenoja, J., Hinds, D. A., Buring, J. E., Schürks, M., Ridker, P. M., Hrafnsdottir, M. G., Stefansson, H., Ring, S. M., Hottenga, J. J., Penninx, B. W. J. H., Färkkilä, M., Artto, V., Kaunisto, M., Vepsäläinen, S., Malik, R., Christensen, A. F., Hansen, Thomas Folkmann, Werge, Thomas, Olesen, Jes, The International Headache Genetics Consortium, T. I. H. G. C. & the 23andMe Research Team, T. 2. R. T., 2020, In: Nature Communications. 11, 1, 3368.

### **Cerebral small vessel disease genomics and its implications across the lifespan**

Sargurupremraj, M., Suzuki, H., Jian, X., Sarnowski, C., Evans, T. E., Bis, J. C., Eiriksdottir, G., Sakaue, S., Terzikhan, N., Habes, M., Zhao, W., Armstrong, N. J., Hofer, E., Yanek, L. R., Hagenaars, S. P., Kumar, R. B., van den Akker, E. B., McWhirter, R. E., Trompet, S., Mishra, A. & 32 others, Saba, Y., Satizabal, C. L., Beaudet, G., Petit, L., Tsuchida, A., Zago, L., Schilling, S., Sigurdsson, S., Gottesman, R. F., Lewis, C. E., Aggarwal, N. T., Lopez, O. L., Smith, J. A., Valdés Hernández, M. C., van der Grond, J., Wright, M. J., Knol, M. J., Dörr, M., Thomson, R. J., Bordes, C., Le Grand, Q., Duperron, M. G., Smith, A. V., Niessen, W. J., Pers, Tune H, Ingason, A., Francke Christensen, A., Hansen, Thomas Folkmann, Werge, Thomas, Olesen, Jes, International Network against Thrombosis (INVENT) Consortium, I. N. A. T. (. C. & International Headache Genomics Consortium (IHGC), I. H. G. C. (. , 2020, In: Nature Communications. 11, 1, 18 p., 6285.

### **Complement genes contribute sex-biased vulnerability in diverse disorders**

Kamitaki, N., Sekar, A., Handsaker, R. E., de Rivera, H., Tooley, K., Morris, D. L., Taylor, K. E., Whelan, C. W., Tomblason, P., Loohuis, L. M. O., Ripke, S., Neale, B. M., Corvin, A., Walters, J. T. R., Farh, K. H., Holmans, P. A., Lee, P., Bulik-Sullivan, B., Collier, D. A., Huang, H. & 33 others, Pers, Tune H, Agartz, I., Agerbo, E., Albus, M., Alexander, M., Amin, F., Bacanu, S. A., Begemann, M., Belliveau, R. A., Bene, J., Bergen, S. E., Bevilacqua, E., Bigdeli, T. B., Black, D. W., Bruggeman, R., Buccola, N. G., Buckner, R. L., Byerley, W., Cahn, W., Cai, G., Cairns, M. J., Campion, D., Hansen, M., Hansen, T., Li, T., Olsen, L., Pantelis, C., Rasmussen, H. B., Werge, Thomas, Su, Z., Schizophrenia Working Group of the Psychiatric Genomics Consortium, S. W. G. O. T. P. G. C., Psychosis Endophenotypes International Consortium, P. E. I. C. & Wellcome Trust Case-Control Consortium 2, W. T. C. C. 2., 2020, In: Nature. 582, 7813, p. 577-581 5 p.

### **Genetic mapping of etiologic brain cell types for obesity**

Timshel, P. N., Thompson, J. J. & Pers, Tune H, 2020, In: eLife. 9, 45 p., 55851.

### **Habitual sleep disturbances and migraine: a Mendelian randomization study**

Daghlas, I., Vgontzas, A., Guo, Y., Chasman, D. I., Saxena, R., Pers, Tune H & International Headache Genetics Consortium, I. H. G. C., 2020, In: Annals of Clinical and Translational Neurology. 7, 12, p. 2370-2380 11 p.

### **Identification of epilepsy-associated neuronal subtypes and gene expression underlying epileptogenesis: [incl. Author Correction]**

Pfisterer, U., Petukhov, V., Demharter, S., Meichsner, J., Thompson, J. J., Batiuk, M. Y., Martinez, A. A., Vasistha, Navneet A, Thakur, A., Mikkelsen, Jens D., Adorjan, I., Pinborg, Lars Hageman, Pers, Tune H, von Engelhardt, J., Kharchenko, P. V. & Khodosevich, K., 2020, In: Nature Communications. 11, 1, 19 p., 5038.

**Modeling neural tube development by differentiation of human embryonic stem cells in a microfluidic WNT gradient**  
Rifes, P., Isaksson, M., Rathore, Gaurav Singh, Aldrin-Kirk, P., Moller, O. K., Barzaghi, G., Lee, J., Egerod, Kristoffer Lihme, Belmont-Rausch, Dylan Matthew, Parmar, M., Pers, Tune H, Laurell, T. & Kirkeby, Agnete, 2020, In: Nature Biotechnology. 38, p. 1265-1273 9 p.

**Multi-omics characterization of a diet-induced obese model of non-alcoholic steatohepatitis**  
Ægidius, H. M., Veidal, S. S., Feigh, M., Hallenborg, P., Puglia, M., Pers, Tune H, Vrang, N., Jelsing, J., Kornum, Birgitte Rahbek, Blagoev, B. & Rigbolt, K. T. G., 2020, In: Scientific Reports. 10, 1, 12 p., 1148.

**Nationwide prediction of type 2 diabetes comorbidities**  
Dworzynski, P., Aasbrenn, M., Rostgaard, K., Melbye, M., Gerds, Thomas Alexander, Hjalgrim, H. & Pers, Tune H, 2020, In: Scientific Reports. 10, 13 p., 1776.

**The Genetics of the Mood Disorder Spectrum: Genome-wide Association Analyses of More Than 185,000 Cases and 439,000 Controls**  
Coleman, J. R. I., Gaspar, H. A., Bryois, J., Byrne, E. M., Forstner, A. J., Holmans, P. A., de Leeuw, C. A., Mattheisen, M., McQuillan, A., Whitehead Pavlides, J. M., Pers, T. H., Ripke, S., Stahl, E. A., Steinberg, S., Trubetsky, V., Trzaskowski, M., Wang, Y., Abbott, L., Abdellaoui, A., Adams, M. J. & 32 others, Adolfsson, A. N., Agerbo, E., Akil, H., Albani, D., Alliey-Rodriguez, N., Als, T. D., Andlauer, T. F. M., Anjorin, A., Antilla, V., Van der Auwera, S., Awasthi, S., Bacanu, S. A., Badner, J. A., Bækvad-Hansen, M., Barchas, J. D., Bass, N., Bauer, M., Beekman, A. T. F., Belliveau, R., Bergen, S. E., Bigdeli, T. B., Binder, E. B., Bøen, E., Hansen, C. S., Hansen, Thomas Folkmann, Krogh, Jesper, Pedersen, C. B., Pedersen, M. G., Nordentoft, Merete, Werge, Thomas, Bipolar Disorder Working Group of the Psychiatric Genomics Consortium, B. D. W. G. O. T. P. G. C. & Major Depressive Disorder Working Group of the Psychiatric Genomics Consortium, M. D. D. W. G. O. T. P. G. C., 2020, In: Biological Psychiatry. 88, 2, p. 169-184 16 p.

**Transcriptomic analysis links diverse hypothalamic cell types to fibroblast growth factor 1-induced sustained diabetes remission**  
Bentsen, M. A., Rausch, D. M., Mirzadeh, Z., Muta, K., Scarlett, J. M., Brown, J. M., Herranz-Pérez, V., Baquero, A. F., Thompson, J., Alonge, K. M., Faber, C. L., Kaiyala, K. J., Bennett, C., Pyke, C., Ratner, C., Egerod, K. L., Holst, B., Meek, T. H., Kutlu, B., Zhang, Y. & 9 others, Sparso, T., Grove, K. L., Morton, G. J., Kornum, Birgitte Rahbek, García-Verdugo, J. M., Secher, A., Jorgensen, R., Schwartz, M. W. & Pers, Tune H, 2020, In: Nature Communications. 11, 1, 4458.

**scVAE: variational auto-encoders for single-cell gene expression data**  
Grønbech, Christopher Heje, Vording, M. F., Timshel, P., Sønderby, C. K., Pers, Tune H & Winther, Ole, 2020, In: Bioinformatics. 36, 16, p. 4415-4422 8 p.

**The developing Entorhinal cortex - a cellular map**  
Bergmann, T. B., Liu, Y., Lee, J., Pfisterer, U. G., Handfield, L., Asenjo Martinez, A., Seemann, Ernst Stefan, Witter, M., Khodosevich, Konstantin, Gorodkin, Jan, Hemberg, M., Pers, Tune H & Hall, Vanessa Jane, 25 Nov 2019. 1 p.

**Genome-wide association study identifies 30 loci associated with bipolar disorder**  
eQTLGen Consortium, E. C., May 2019, In: Nature Genetics. 51, 5, p. 793-803

**Benchmarker: An Unbiased, Association-Data-Driven Strategy to Evaluate Gene Prioritization Algorithms**  
Fine, R. S., Pers, Tune H, Amariuta, T., Raychaudhuri, S. & Hirschhorn, J. N., 2019, In: American Journal of Human Genetics. 104, 6, p. 1025-1039

**Genome-wide association analyses of risk tolerance and risky behaviors in over 1 million individuals identify hundreds of loci and shared genetic influences**  
Karlsson Linnér, R., Biroli, P., Kong, E., Meddens, S. F. W., Wedow, R., Fontana, M. A., Lebreton, M., Tino, S. P., Abdellaoui, A., Hammerschlag, A. R., Nivard, M. G., Okbay, A., Rietveld, C. A., Timshel, P. N., Trzaskowski, M., Vlaming, R. D., Zünd, C. L., Bao, Y., Buzdugan, L., Caplin, A. H. & 31 others, Chen, C., Eibich, P., Fontanillas, P., Gonzalez, J. R., Joshi, P. K., Karhunen, V., Kleinman, A., Levin, R. Z., Lill, C. M., Meddens, G. A., Muntané, G., Sanchez-Roige, S., Rooij, F. J. V., Taskesen, E., Wu, Y., Zhang, F., Auton, A., Boardman, J. D., Clark, D. W., Conlin, A., Dolan, C. C., Fischbacher, U., Groenen, P. J. F., Harris, K. M., Hasler, G., Hofman, A., Ikram, M. A., Jain, S., Karlsson, R., Pers, Tune H & 23and Me Research Team, 2. M. R. T., 2019, In: Nature Genetics. 51, 2, p. 245-257

### **Multiple sclerosis genomic map implicates peripheral immune cells and microglia in susceptibility**

Patsopoulos, N. A., Baranzini, S. E., Santaniello, A., Shoostari, P., Cotsapas, C., Wong, G., Beecham, A. H., James, T., Replogle, J., Vlachos, I. S., McCabe, C., Pers, T. H., Brandes, A., White, C., Keenan, B., Cimpean, M., Winn, P., Panteliadis, I. P., Robbins, A., Andlauer, T. F. M. & 32 others, Zarzycki, O., Dubois, B., Goris, A., Søndergaard, H. B., Sellebjerg, Finn Thorup, Sørensen, Per Soelberg, Ullum, H., Thørner, L. W., Saarela, J., Cournu-Rebeix, I., Damotte, V., Fontaine, B., Guillot-Noel, L., Lathrop, M., Vukusic, S., Berthele, A., Pongratz, V., Buck, D., Gasperi, C., Graetz, C., Grummel, V., Hemmer, B., Hoshi, M., Knier, B., Korn, T., Lill, C. M., Luessi, F., Karpe, F., Lage, K., Oturai, A., International Multiple Sclerosis Genetics Consortium, I. M. S. G. C. & ANZgene, IIBDGC, WTCCC2, A. I. W., 2019, In: Science. 365, 6460, eaav7188.

### **PAIRUP-MS: Pathway analysis and imputation to relate unknowns in profiles from mass spectrometry-based metabolite data**

Hsu, Y. H., Churchhouse, C., Pers, Tune H, Mercader, J. M., Metspalu, A., Fischer, K., Fortney, K., Morgen, E. K., Gonzalez, C., Gonzalez, M. E., Esko, T. & Hirschhorn, J. N., 2019, In: PLOS Computational Biology. 15, 1, 26 p., e1006734.

### **Population-based identity-by-descent mapping combined with exome sequencing to detect rare risk variants for schizophrenia**

Harold, D., Connolly, S., Riley, B. P., Kendler, K. S., McCarthy, S. E., McCombie, W. R., Richards, A., Owen, M. J., O'Donovan, M. C., Walters, J., Donnelly, P., Bates, L., Barroso, I., Blackwell, J. M., Bramon, E., Brown, M. A., Casas, J. P., Corvin, A., Deloukas, P., Duncanson, A. & 32 others, Jankowski, J., Markus, H. S., Mathew, C. G., Palmer, C. N. A., Plomin, R., Rautanen, A., Sawcer, S. J., Trembath, R. C., Viswanathan, A. C., Wood, N. W., Spencer, C. C. A., Band, G., Bellenguez, C., Freeman, C., Hellenthal, G., Giannoulatou, E., Hopkins, L., Pirinen, M., Pearson, R., Strange, A., Su, Z., Vukcevic, D., Pers, Tune H, Hansen, M., Hansen, Thomas Folkmann, Li, T., Olsen, L., Pantelis, C., Rasmussen, Henrik Berg, Werge, Thomas, Wellcome Trust Case Control Consortium 2, W. T. C. C. 2. & Schizophrenia Working Group of the Psychiatric Genomics Consortium, S. W. G. O. T. P. G. C., 2019, In: American Journal of Medical Genetics, Part B: Neuropsychiatric Genetics. 180, 3, p. 223-231 9 p.

### **Production of stellate cells from induced pluripotent stem cells to study Alzheimer's disease pathology**

Mogus, L., Bergmann, T. B., Liu, Y., Lee, J., Pfisterer, U. G., Handfield, L., Asenjo Martinez, A., Seemann, Ernst Stefan, Witter, M., Khodosevich, Konstantin, Gorodkin, Jan, Hemberg, M., Pers, Tune H & Hall, Vanessa Jane, 2019. 1 p.

### **Protein-coding variants implicate novel genes related to lipid homeostasis contributing to body-fat distribution**

Justice, A. E., Karaderi, T., Highland, H. M., Young, K. L., Graff, M., Lu, Y., Turcot, V., Auer, P. L., Fine, R. S., Guo, X., Schurmann, C., Lempradl, A., Marouli, E., Mahajan, A., Winkler, T. W., Locke, A. E., Medina-Gomez, C., Esko, T., Vedantam, S., Giri, A. & 31 others, Lo, K. S., Alfred, T., Mudgal, P., Ng, M. C. Y., Heard-Costa, N. L., Feitosa, M. F., Manning, A. K., Willems, S. M., Sivapalaratnam, S., Abecasis, G., Alam, D. S., Allison, M., Amouyel, P., Arzumanyan, Z., Balkau, B., Bork-Jensen, J., Grarup, Niels, Hansen, Torben, Jørgensen, T., Justesen, Johanne Marie, Karpe, F., Kovacs, P., Li, J., Lind, L., Linneberg, Allan René, Pedersen, Oluf Borbye, Pers, Tune H, drb459, drb459, Zhao, J. H., Loos, R. J. F. & CHD Exome+ Consortium, C. E. C., 2019, In: Nature Genetics. 51, 3, p. 452-469 18 p.

### **Quantitative proteomics and single-nucleus transcriptomics of the sinus node elucidates the foundation of cardiac pacemaking**

Linscheid, N., Logantha, S. J. R. J., Poulsen, C., Zhang, S., Schrölkamp, Maren, Egerod, Kristoffer Lihme, Thompson, J. J., Kitmitto, A., Galli, G., Humphries, M. J., Zhang, H., Pers, Tune H, Olsen, Jesper Velgaard, Boyett, M. & Lundby, Alicia, 2019, In: Nature Communications. 10, 19 p., 2889.

### **RhoA in tyrosine hydroxylase neurons regulates food intake and body weight via altered sensitivity to peripheral hormones**

Skov, Louise Julie, Ratner, C., Hansen, Nikolaj Winther, Thompson, J. J., Egerod, Kristoffer Lihme, Burm, Hayley Beth, Dalbøge, L. S., Hedegaard, M. A., Brakebusch, Cord Herbert, Pers, Tune H, Perrier, Jean-Francois Marie & Holst, Birgitte, 2019, In: Journal of Neuroendocrinology. 31, 7, 13 p., UNSP e12761.

### **Sandwich cortical lamination and single-cell analysis decodes the developing spatial processing system**

Liu, Y., Bergmann, T. B., Lee, J., Pfisterer, U. G., Handfield, L-F., Mori, Y., Asenjo Martinez, A., Lisa Vargas, I., Seemann, E. S., Lee, J. T. H., Patikis, N., Peralvo Vidal, J. M., Pihl, M., Kornum, B. R., Thomsen, P. D., Hyttel, P., Witter, M., Khodosevich, K., Gorodkin, J., Hemberg, M. & 2 others, Pers, Tune H & Hall, Vanessa Jane, 2019. 45 p.

### **The developing Entorhinal Cortex – a cellular map**

Bergmann, T. B., Liu, Y., Lee, J., Pfisterer, U. G., Asenjo Martinez, A., Seemann, Ernst Stefan, Pihl, M., Thomsen, Preben Dybdahl, Hyttel, P., witter, M., Khodosevich, Konstantin, Gorodkin, Jan, Pers, Tune H & Hall, Vanessa Jane, 2019.

### **Tracing the origin of adult intestinal stem cells**

Guiu, J., Hannezo, E., Yui, S., Demharter, S., Ulyanchenko, Svetlana, Maimets, Martti, Jørgensen, A., Perlman, S., Lundvall, L., Mamsen, L. S., Larsen, A., Olesen, R. H., Andersen, C. Y., Thuesen, L. L., Hare, Kristine Juul, Pers, Tune H, Khodosevich, Konstantin, Simons, B. D. & Jensen, Kim Bak, 2019, In: Nature. 570, 7759, p. 107-111

### **Uncovering the anatomical and molecular landscape of the starting point of Alzheimer's disease in the brain**

Bergmann, T. B., Liu, Y., Lee, J., Pfisterer, U. G., Asenjo Martinez, A., Seemann, Ernst Stefan, Pihl, M., Thomsen, Preben Dybdahl, Hyttel, P., witter, M., Khodosevich, Konstantin, Gorodkin, Jan, Pers, Tune H & Hall, Vanessa Jane, 2019.

### **Genome Analyses of >200,000 Individuals Identify 58 Loci for Chronic Inflammation and Highlight Pathways that Link Inflammation and Complex Disorders**

Ligthart, S., Vaez, A., Vosa, U., Stathopoulou, M. G., de Vries, P. S., Prins, B. P., Van der Most, P. J., Tanaka, T., Naderi, E., Rose, L. M., Wu, Y., Karlsson, R., Barbalic, M., Lin, H., Pool, R., Zhu, G., Mace, A., Sidore, C., Trompet, S., Mangino, M. & 266 others, Sabater-Lleal, M., Kemp, J. P., Abbasi, A., Kacprowski, T., Verweij, N., Smith, A. V., Huang, T., Marzi, C., Feitosa, M. F., Lohman, K. K., Kleber, M. E., Milanese, Y., Mueller, C., Huq, M., Vlachopoulou, E., Lytykainen, L., Oldmeadow, C., Deelen, J., Perola, M., Zhao, J., Feenstra, B., Amini, M., Lahti, J., Schraut, K. E., Fornage, M., Suktitipat, B., Chen, W., Li, X., Nutile, T., Malerba, G., Luan, J., Bak, T., Schork, N., Del Greco, F. M., Thiering, E., Mahajan, A., Marioni, R. E., Mihailov, E., Eriksson, J., Ozel, A. B., Zhang, W., Nethander, M., Cheng, Y., Aslibekyan, S., Ang, W., Gandin, I., Yengo, L., Portas, L., Kooperberg, C., Hofer, E., Rajan, K. B., Schurmann, C., den Hollander, W., Ahluwalia, Tarun Veer Singh, Zhao, J., Draisma, H. H. M., Ford, I., Timpson, N., Teumer, A., Huang, H., Wahl, S., Liu, Y., Huang, J., Uh, H., Geller, F., Joshi, P. K., Yanek, L. R., Traibetti, E., Lehne, B., Vozzi, D., Verbanck, M., Biino, G., Saba, Y., Meulenbelt, I., O'Connell, J. R., Laakso, M., Giulianini, F., Magnusson, P. K. E., Ballantyne, C. M., Hottenga, J. J., Montgomery, G., Rivadineira, F., Rueedi, R., Steri, M., Herzig, K., Stott, D. J., Menni, C., Franberg, M., St Pourcain, B., Felix, S. B., Pers, Tune H, Bakker, S. J. L., Kraft, P., Peters, A., Vaidya, D., Delgado, G., Smit, J. H., Grossmann, V., Sinisalo, J., Seppala, I., Williams, S. R., Holliday, E. G., Moed, M., Langenberg, C., Raikonen, K., Ding, J., Campbell, H., Sale, M. M., Chen, Y. I., James, A. L., Ruggiero, D., Soranzo, N., Hartman, C. A., Smith, E. N., Berenson, G. S., Fuchsberger, C., Hernandez, D., Tiesler, C. M. T., Giedraitis, V., Liewald, D., Fischer, K., Mellstrom, D., Larsson, A., Wang, Y., Scott, W. R., Lorentzon, M., Beilby, J., Ryan, K. A., Pennell, C. E., Vuckovic, D., Balkau, B., Concas, M. P., Schmidt, R., de Leon, C. F. M., Bottinger, E. P., Kloppenburg, M., Paternoster, L., Boehnke, M., Musk, A. W., Willemssen, G., Evans, D. M., Madden, P. A. F., Kahonen, M., Kutalik, Z., Zoledziewska, M., Karhunen, V., Kritchevsky, S. B., Sattar, N., Lachance, G., Clarke, R., Harris, T. B., Raitakari, O. T., Attia, J. R., Van Heemst, D., Kajantie, E., Sorice, R., Gambaro, G., Scott, R. A., Hicks, A. A., Ferrucci, L., Standl, M., Lindgren, C. M., Starr, J. M., Karlsson, M., Lind, L., Li, J. Z., Chambers, J. C., Mori, T. A., de Geus, E. J. C. N., Heath, A. C., Martin, N. G., Auvinen, J., Buckley, B. M., de Craen, A. J. M., Waldenberger, M., Strauch, K., Meitinger, T., Scott, R. J., McEvoy, M., Beekman, M., Bombieri, C., Ridker, P. M., Mohlke, K. L., Pedersen, N. L., Morrison, A. C., Boomsma, D. I., Whitfield, J. B., Strachan, D. P., Hofman, A., Vollenweider, P., Cucca, F., Jarvelin, M., Jukema, J. W., Spector, T. D., Hamsten, A., Zeller, T., Uitterlinden, A. G., Nauck, M., Gudnason, V., Qi, L., Grallert, H., Borecki, I. B., Rotter, J. I., Maerz, W., Wild, P. S., Lokki, M., Boyle, M., Salomaa, V., Melbye, M., Eriksson, J. G., Wilson, J. F., Penninx, B. W. J. H., Becker, D. M., Worrall, B. B., Gibson, G., Krauss, R. M., Ciullo, M., Zaza, G., Wareham, N. J., Oldhinkel, A. J., Palmer, L. J., Murray, S. S., Pramstaller, P. P., Bandinelli, S., Heinrich, J., Ingelsson, E., Deary, I. J., Magi, R., Vandenput, L., van der Harst, P., Desch, K. C., Kooner, J. S., Ohlsson, C., Hayward, C., Lehtimäki, T., Shuldiner, A. R., Arnett, D. K., Beilin, L. J., Robino, A., Froguel, P., Pirastu, M., Jess, T., Koenig, W., Loos, Ruth, Evans, D. A., Schmidt, H., Smith, G. D., Slagboom, P. E., Eiriksdottir, G., Morris, A. P., Psaty, B. M., Tracy, R. P., Nolte, I. M., Boerwinkle, E., Visvikis-Siest, S., Reiner, A. P., Gross, M., Bis, J. C., Franke, L., Franco, O. H., Benjamin, E. J., Chasman, D. I., Dupuis, J., Snieder, H., Dehghan, A. & Alizadeh, B. Z., 1 Nov 2018, In: American Journal of Human Genetics. 103, 5, p. 691-706

### **Genomic Dissection of Bipolar Disorder and Schizophrenia, Including 28 Subphenotypes**

Bipolar Disorder and Schizophrenia Working Group of the Psychiatric Genomics Consortium  
douglas.ruderfer@vanderbilt.edu, B. D. A. S. W. G. O. T. P. G. C. D. R. E., Psychosis Endophenotypes International Consortium, P. E. I. C. & Wellcome Trust Case-Control Consortium, W. T. C. C., 14 Jun 2018, In: Cell. 173, 7, p. 1705-1715.e16

### **Re-analysis of public genetic data reveals a rare X-chromosomal variant associated with type 2 diabetes**

Bonàs-Guarch, S., Guindo-Martínez, M., Miguel-Escalada, I., Grarup, N., Sebastian, D., Rodriguez-Fos, E., Sánchez, F., Planas-Fèlix, M., Cortes-Sánchez, P., González, S., Timshel, P., Pers, T. H., Morgan, C. C., Moran, I., Atla, G., González, J. R., Puiggros, M., Martí, J., Andersson, E. A., Díaz, C. & 23 others, Badia, R. M., Udler, M., Leong, A., Kaur, V., Flannick, J., Jørgensen, T., Linneberg, Allan René, Jørgensen, M. E., Witte, D. R., Christensen, C., Brandslund, I., Appel, E. V., Scott, R. A., Luan, J., Langenberg, C., Wareham, N. J., Pedersen, Oluf Borbye, Zorzano, A., Florez, J. C., Hansen, Torben, Ferrer, J., Mercader, J. M. & Torrents, D., 22 Jan 2018, In: Nature Communications. 9, 14 p., 321.



### **Protein-altering variants associated with body mass index implicate pathways that control energy intake and expenditure in obesity**

Turcot, V., Lu, Y., Highland, H. M., Bang, L. E., Benn, M., Kamstrup, P. R., Bork-Jensen, J., Frikke-Schmidt, R., Gjesing, A. P., Grarup, N., Hansen, T., Have, C. T., Jørgensen, T., Nielsen, S. F., Linneberg, A. R., Pedersen, O., Pers, T. H., Vestergaard, H., Nordestgaard, B., Tybjaerg-Hansen, A. & 15 others, Varbo, A., CHD Exome+ Consortium, C. E. C., EPIC-CVD Consortium, E. C., ExomeBP Consortium, E. C., Global Lipids Genetics Consortium, G. L. G. C., GoT2D Genes Consortium, G. G. C., EPIC-InterAct Consortium, E. C., INTERVAL Study, I. S., ReproGen Consortium, R. C., T2D-Genes Consortium, T. C., The MAGIC Investigators, T. M. I., Understanding Society Scientific Group, U. S. S. G., Lindgren, C. M., Hirschhorn, J. N. & Loos, R. J. F., 1 Jan 2018, In: *Nature Genetics*. 50, p. 26-41 16 p.

### **Age at first birth in women is genetically associated with increased risk of schizophrenia**

Ni, G., Gratten, J., Wray, N. R., Lee, S. H., Ripke, S., Neale, B. M., Corvin, A., Walters, J. T. R., Farh, K. H., Holmans, P. A., Lee, P., Bulik-Sullivan, B., Collier, D. A., Huang, H., Pers, T. H., Agartz, I., Agerbo, E., Albus, M., Alexander, M., Amin, F. & 281 others, Bacanu, S. A., Begemann, M., Belliveau, R. A., Bene, J., Bergen, S. E., Bevilacqua, E., Bigdeli, T. B., Black, D. W., Bruggeman, R., Buccola, N. G., Buckner, R. L., Byerley, W., Cahn, W., Cai, G., Campion, D., Cantor, R. M., Carr, V. J., Carrera, N., Catts, S. V., Chambert, K. D., Chan, R. C. K., Chen, R. Y. L., Chen, E. Y. H., Cheng, W., Cheung, E. F. C., Chong, S. A., Cloninger, C. R., Cohen, D., Cohen, N., Cormican, P., Craddock, N., Crowley, J. J., Curtis, D., Davidson, M., Davis, K. L., Degenhardt, F., Del Favero, J., Demontis, D., Dikeos, D., Dinan, T., Djurovic, S., Donohoe, G., Drapeau, E., Duan, J., Dudbridge, F., Durmishi, N., Eichhammer, P., Eriksson, J., Escott-Price, V., Essioux, L., Fanous, A. H., Farrell, M. S., Frank, J., Franke, L., Freedman, R., Freimer, N. B., Friedl, M., Friedman, J. I., Fromer, M., Genovese, G., Georgieva, L., Giegling, I., Giusti-Rodríguez, P., Godard, S., Goldstein, J. I., Golimbet, V., Gopal, S., Haan, L. D., Hammer, C., Hamshere, M. L., Hansen, M., Hansen, Thomas Folkmann, Haroutunian, V., Hartmann, A. M., Henskens, F. A., Herms, S., Hirschhorn, J. N., Hoffmann, P., Hofman, A., Hollegaard, M. V., Hougaard, D. M., Ikeda, M., Joa, I., Juliá, A., Kahn, R. S., Kalaydjieva, L., Karachanak-Yankova, S., Karjalainen, J., Kavanagh, D., Keller, M. C., Kennedy, J. L., Khrunin, A., Kim, Y., Klovin, J., Knowles, J. A., Konte, B., Kucinkas, V., Kucinskiene, Z. A., Kuzelova-Ptackova, H., Kähler, A. K., Laurent, C., Keong, J. L. C., Legge, S. E., Lerer, B., Li, M., Li, T., Liang, K. Y., Lieberman, J., Limborska, S., Loughland, C. M., Lubinski, J., Lönnqvist, J., Macek, M., Magnusson, P. K. E., Maher, B. S., Maier, W., Mallet, J., Marsal, S., Mattheisen, M., Mattingsdal, M., McCarley, R. W., McDonald, C., McIntosh, A. M., Meier, S., Meijer, C. J., Melech, B., Melle, I., Mesholam-Gately, R. I., Metspalu, A., Michie, P. T., Milani, L., Milanova, V., Mokrab, Y., Morris, D. W., Mors, O., Murphy, K. C., Murray, R. M., Myin-Germeys, I., Müller-Myhsok, B., Nelis, M., Nenadic, I., Nertney, D. A., Nestadt, G., Nicodemus, K. K., Nikitina-Zake, L., Nisenbaum, L., Nordin, A., O'callaghan, E., O'dushlaine, C., O'neill, F. A., Oh, S. Y., Olincy, A., Olsen, L., Os, J. V., Pantelis, C., Papadimitriou, G. N., Papiol, S., Parkhomenko, E., Pato, M. T., Paunio, T., Pejovic-Milovancevic, M., Perkins, D. O., Pietiläinen, O., Pimm, J., Pocklington, A. J., Powell, J., Price, A., Pulver, A. E., Purcell, S. M., Quested, D., Rasmussen, H. B., Reichenberg, A., Reimers, M. A., Richards, A. L., Roffman, J. L., Roussos, P., Ruderfer, D. M., Salomaa, V., Sanders, A. R., Schall, U., Schubert, C. R., Schulze, T. G., Schwab, S. G., Scolnick, E. M., Scott, R. J., Seidman, L. J., Shi, J., Sigurdsson, E., Silagadze, T., Silverman, J. M., Sim, K., Slominsky, P., Smoller, J. W., So, H. C., Spencer, C. C. A., Stahl, E. A., Stefansson, H., Steinberg, S., Stogmann, E., Straub, R. E., Strengman, E., Strohmaier, J., Stroup, T. S., Subramaniam, M., Suvisaari, J., Svrakic, D. M., Szatkiewicz, J. P., Söderman, E., Thirumalai, S., Toncheva, D., Tosato, S., Veijola, J., Waddington, J., Walsh, D., Wang, D., Wang, Q., Webb, B. T., Weiser, M., Wildenauer, D. B., Williams, N. M., Williams, S., Witt, S. H., Wolen, A. R., Wong, E. H. M., Wormley, B. K., Xi, H. S., Zai, C. C., Zheng, X., Zimprich, F., Stefansson, K., Visscher, P. M., Adolfsson, R., Andreassen, O. A., Blackwood, D. H. R., Bramon, E., Buxbaum, J. D., Børglum, A. D., Cichon, S., Darvasi, A., Domenici, E., Ehrenreich, H., Esko, T., Gejman, P. V., Gill, M., Gurling, H., Hultman, C. M., Iwata, N., Jablensky, A. V., Jönsson, E. G., Kendler, K. S., Kirov, G., Knight, J., Lencz, T., Levinson, D. F., Li, Q. S., Liu, J., Malhotra, A. K., McCarroll, S. A., McQuillin, A., Moran, J. L., Mortensen, P. B., Mowry, B. J., Nöthen, M. M., Ophoff, R. A., Owen, M. J., Palotie, A., Pato, C. N., Petryshen, T. L., Posthuma, D., Rietschel, M., Riley, B. P., Rujescu, D., Sham, P. C., Sklar, P., Clair, D. S., Weinberger, D. R., Wendland, J. R., Werge, Thomas, Daly, M. J., Sullivan, P. F. & O'donovan, M. C., 2018, In: *Scientific Reports*. 8, 1, p. 1-14 10168.

### **Gene discovery and polygenic prediction from a genome-wide association study of educational attainment in 1.1 million individuals**

Lee, J. J., Wedow, R., Okbay, A., Kong, E., Maghzian, O., Zacher, M., Tuan Anh Nguyen-Viet, Bowers, P., Sidorenko, J., Linner, R. K., Fontana, M. A., Kundu, T., Lee, C., Li, H., Li, R., Royer, R., Timshel, P. N., Walters, R. K., Willoughby, E. A., Yengo, L. & 58 others, Alver, M., Bao, Y., Clark, D. W., Day, F. R., Furlotte, N. A., Joshi, P. K., Kemper, K. E., Kleinman, A., Langenberg, C., Magi, R., Trampush, J. W., Verma, S. S., Wu, Y., Lam, M., Zhao, J. H., Zheng, Z., Boardman, J. D., Campbell, H., Freese, J., Harris, K. M., Hayward, C., Herd, P., Kumari, M., Lencz, T., Luan, J., Malhotra, A. K., Metspalu, A., Milani, L., Ong, K. K., Perry, J. R. B., Porteous, D. J., Ritchie, M. D., Smart, M. C., Smith, B. H., Tung, J. Y., Wareham, N. J., Wilson, J. F., Beauchamp, J. P., Conley, D. C., Esko, T., Lehrer, S. F., Magnusson, P. K. E., Oskarsson, S., Pers, Tune H, Robinson, M. R., Thom, K., Watson, C., Chabris, C. F., Meyer, M. N., Laibson, D. I., Yang, J., Johannesson, M., Koellinger, P. D., Turley, P., Visscher, P. M., Benjamin, D. J., Cesarini, D. & Sørensen, Thorkild I.A., 2018, In: *Nature Genetics*. 50, 8, p. 1112+

### **Genome-wide association analyses identify 39 new susceptibility loci for diverticular disease**

Maguire, L. H., Handelman, S. K., Du, X., Chen, Y., Pers, Tune H & Speliotes, E. K., 2018, In: Nature Genetics. 50, 10, p. 1359-1365

### **Molecular genetic overlap between migraine and major depressive disorder**

Yang, Y., Zhao, H., Boomsma, D. I., Ligthart, L., Belin, A. C., Smith, G. D., Esko, T., Freilinger, T. M., Hansen, T. F., Ikram, M. A., Kallela, M., Kubisch, C., Paraskevi, C., Strachan, D. P., Wessman, M., Gormley, P., Anttila, V., Winsvold, B. S., Palta, P., Esko, T. & 30 others, Pers, Tune H, Farh, K. H., Cuenca-Leon, E., Muona, M., Furlotte, N. A., Kurth, T., Ingason, A., McMahon, G., Ligthart, L., Terwindt, G. M., Kallela, M., Freilinger, T. M., Ran, C., Gordon, S. G., Stam, A. H., Steinberg, S., Borck, G., Koiranen, M., Quaye, L., Adams, H. H. H., Lehtimäki, T., Sarin, A. P., Wedenoja, J., Hinds, D. A., Buring, J. E., Schürks, M., Christensen, A. F., Hansen, Thomas Folkmann, Werge, Thomas & Olesen, Jes, 2018, In: European Journal of Human Genetics. 26, 8, p. 1202-1216 15 p.

### **The developmental neurogenic niche of the Entorhinal cortex revealed by single-cell transcriptomics.**

Bergmann, T. B., Liu, Y., Lee, J., Peralvo Vidal, Juan Miguel, Mori, Yuki, Seemann, Ernst Stefan, Pihl, M., Thomsen, Preben Dybdahl, Hyttel, P., witter, M., Gorodkin, Jan, Hall, Vanessa Jane & Pers, Tune H, 2018.

### **Uncovering the anatomical and molecular landscape of the developing entorhinal cortex.**

Liu, Y., Bergmann, T. B., Peralvo Vidal, Juan Miguel, Lee, J., Mori, Yuki, Seemann, Ernst Stefan, Pihl, M., Thomsen, Preben Dybdahl, Gorodkin, Jan, Hyttel, P., Pers, Tune H, witter, M. & Hall, Vanessa Jane, 2018.

### **A Low-Frequency Inactivating Akt2 Variant Enriched in the Finnish Population is Associated With Fasting Insulin Levels and Type 2 Diabetes Risk**

Manning, A., Highland, H. M., Gasser, J., Sim, X., Tukiainen, T., Fontanillas, P., Grarup, N., Rivas, M. A., Mahajan, A., Locke, A. E., Cingolani, P., Pers, T. H., Viñuela, A., Brown, A. A., Wu, Y., Flannick, J., Fuchsberger, C., Gamazon, E. R., Gaulton, K. J., Im, H. K. & 243 others, Teslovich, T. M., Blackwell, T. W., Bork-Jensen, J., Burt, N. P., Chen, Y., Green, T., Hartl, C., Kang, H. M., Kumar, A., Ladenvall, C., Ma, C., Moutsianas, L., Pearson, R. D., Perry, J. R. B., Rayner, N. W., Robertson, N. R., Scott, L. J., van de Bunt, M., Eriksson, J. G., Jula, A., Koskinen, S., Lehtimäki, T., Palotie, A., Raitakari, O. T., Jacobs, S. B., Wessel, J., Chu, A. Y., Scott, R. A., Goodarzi, M. O., Blancher, C., Buck, G., Buck, D., Chines, P. S., Gabriel, S., Gjesing, A. M. P., Groves, C. J., Hollensted, M., Huyghe, J. R., Jackson, A. U., Jun, G., Justesen, Johanne Marie, Mangino, M., Murphy, J., Neville, M., Onofrio, R., Small, K. S., Stringham, H. M., Trakalo, J., Banks, E., Carey, J., Carneiro, M. O., DePristo, M., Farjoun, Y., Fennell, T., Goldstein, J. I., Grant, G., Hrabě de Angelis, M., Maguire, J., Neale, B. M., Poplin, R., Purcell, S., Schwarzmayr, T., Shakir, K., Smith, J. D., Strom, T. M., Wieland, T., Lindstrom, J., Brandslund, I., Christensen, C., Surdulescu, G. L., Lakka, T. A., Doney, A. S. F., Nilsson, P., Wareham, N. J., Langenberg, C., Varga, Tibor, Franks, P. W., Rolandsson, O., Rosengren, A. H., Farook, V. S., Thameem, F., Puppala, S., Kumar, S., Lehman, D. M., Jenkinson, C. P., Curran, J. E., Hale, D. E., Fowler, S. P., Arya, R., DeFronzo, R. A., Abboud, H. E., Syvänen, A., Hicks, P. J., Palmer, N. D., Ng, M. C. Y., Bowden, D. W., Freedman, B. I., Esko, T., Mägi, R., Milani, L., Mihailov, E., Metspalu, A., Narisu, N., Kinnunen, L., Bonnycastle, L. L., Swift, A., Pasko, D., Wood, A. R., Fadista, J., Pollin, T. I., Barzilai, N., Atzmon, G., Glaser, B., Thorand, B., Strauch, K., Peters, A., Roden, M., Müller-Nurasyid, M., Liang, L., Kriebel, J., Illig, T., Grallert, H., Gieger, C., Meisinger, C., Lannfelt, L., Musani, S. K., Griswold, M., Taylor, H. A., Wilson, G., Correa, A., Oksa, H., Scott, W. R., Afzal, U., Tan, S., Loh, M., Chambers, J. C., Sehmi, J., Kooner, J. S., Lehne, B., Cho, Y. S., Lee, J., Han, B., Käräjämäki, A., Qi, Q., Qi, L., Huang, J., Hu, F. B., Melander, O., Orho-Melander, M., Below, J. E., Aguilar, D., Wong, T. Y., Liu, J., Khor, C., Chia, K. S., Lim, W. Y., Cheng, C., Chan, E., Tai, E. S., Aung, T., Linneberg, Allan René, Isomaa, B., Meitinger, T., Tuomi, T., Hakaste, L., Kravic, J., Jørgensen, M. E., Lauritzen, T., Deloukas, P., Stirrups, K. E., Owen, K. R., Farmer, A. J., Frayling, T. M., O'Rahilly, S. P., Walker, M., Levy, J. C., Hodgkiss, D., Hattersley, A. T., Kuulasmaa, T., Stančáková, A., Barroso, I., Bharadwaj, D., Chan, J., Chandak, G. R., Daly, M. J., Donnelly, P. J., Ebrahim, S. B., Elliott, P., Fingerlin, T., Froguel, P., Hu, C., Jia, W., Ma, R. C. W., McVean, G., Park, T., Prabhakaran, D., Sandhu, M., Scott, J., Sladek, R., Tandon, N., Teo, Y. Y., Zeggini, E., Watanabe, R. M., Koistinen, H. A., Kesaniemi, Y. A., Uusitupa, M., Spector, T. D., Salomaa, V., Rauramaa, R., Palmer, C. N. A., Prokopenko, I., Morris, A. D., Bergman, R. N., Collins, F. S., Lind, L., Ingelsson, E., Tuomilehto, J., Karpe, F., Groop, L., Jørgensen, T., Hansen, Torben, Pedersen, Oluf Borbye, Kuusisto, J., Abecasis, G., Bell, G. I., Blangero, J., Cox, N. J., Duggirala, R., Seielstad, M., Wilson, J. G., Dupuis, J., Ripatti, S., Hanis, C. L., Florez, J. C., Mohlke, K. L., Meigs, J. B., Laakso, M., Morris, A. P., Boehnke, M., Altshuler, D., McCarthy, M. I., Gloyn, A. L. & Lindgren, C. M., Dec 2017, In: Diabetes. 66, p. 2019-2032 14 p.

### **A molecular census of arcuate hypothalamus and median eminence cell types**

Campbell, J. N., Macosko, E. Z., Fenselau, H., Pers, Tune H, Lyubetskaya, A., Tenen, D., Goldman, M., Verstegen, A. M. J., Resch, J. M., McCarroll, S. A., Rosen, E. D., Lowell, B. B. & Tsai, L. T., Mar 2017, In: Nature Neuroscience. 20, 3, p. 484-496 13 p.

### **Rare and low-frequency coding variants alter human adult height**

Marouli, E., Graff, M., Medina-Gomez, C., Lo, K. S., Wood, A. R., Kjaer, T. R., Fine, R. S., Lu, Y., Schurmann, C., Highland, H. M., Rieger, S., Thorleifsson, G., Justice, A. E., Lamparter, D., Stirrups, K. E., Turcot, V., Young, K. L., Winkler, T. W., Esko, T., Karaderi, T. & 31 others, Locke, A. E., Masca, N. G. D., Ng, M. C. Y., Mudgal, P., Rivas, M. A., Vedantam, S., Mahajan, A., Guo, X., Abecasis, G., Aben, K. K., Allin, K. H., Appel, E. V., Bang, L. E., Benn, Marianne, Bork-Jensen, J., Frikke-Schmidt, Ruth, Grarup, Niels, Hansen, Torben, Hollensted, M., Jensen, G. B., Jørgensen, M. E., Jørgensen, T., Kamstrup, P. R., Linneberg, Allan René, Nielsen, S. F., Nordestgaard, Børge, Pedersen, Oluf Borbye, Tybjærg-Hansen, Anne, drb459, drb459, Pers, Tune H & EPIC-InterAct Consortium, E. C., 9 Feb 2017, In: *Nature*. 542, 7640, p. 186-190 5 p.

### **An Expanded Genome-Wide Association Study of Type 2 Diabetes in Europeans**

Scott, R. A., Scott, L. J., Mägi, R., Marullo, L., Gaulton, K. J., Kaakinen, M., Pervjakova, N., Pers, T. H., Johnson, A. D., Eicher, J. D., Jackson, A. U., Ferreira, T., Lee, Y., Ma, C., Steinthorsdottir, V., Thorleifsson, G., Qi, L., Van Zuydam, N. R., Mahajan, A., Chen, H. & 155 others, Almgren, P., Voight, B. F., Grallert, H., Müller-Nurasyid, M., Ried, J. S., Rayner, W. N., Robertson, N., Karssen, L. C., van Leeuwen, E. M., Willems, S. M., Fuchsberger, C., Kwan, P., Teslovich, T. M., Chanda, P., Li, M., Lu, Y., Dina, C., Thuillier, D., Yengo, L., Jiang, L., Sparso, T., Kestler, H. A., Chheda, H., Eisele, L., Gustafsson, S., Frånberg, M., Strawbridge, R. J., Benediktsson, R., Hreidarsson, A. B., Kong, A., Sigurðsson, G., Kerrison, N. D., Luan, J., Liang, L., Meitinger, T., Roden, M., Thorand, B., Esko, T., Mihailov, E., Fox, C., Liu, C., Rybin, D., Isomaa, B., Lyssenko, V., Tuomi, T., Couper, D. J., Pankow, J. S., Grarup, Niels, Have, C. T., Jørgensen, M. E., Jørgensen, T., Linneberg, Allan René, Cornelis, M. C., van Dam, R. M., Hunter, D. J., Kraft, P., Sun, Q., Edkins, S., Owen, K. R., Perry, J. R., Wood, A. R., Zeggini, E., Tajas-Fernandes, J., Abecasis, G. R., Bonnycastle, L. L., Chines, P. S., Stringham, H. M., Koistinen, H. A., Kinnunen, L., Sennblad, B., Mühleisen, T. W., Nöthen, M. M., Pechlivanis, S., Baldassarre, D., Gertow, K., Humphries, S. E., Tremoli, E., Klopp, N., Meyer, J., Steinbach, G., Wennauer, R., Eriksson, J. G., Männistö, S., Peltonen, L., Tikkanen, E., Charpentier, G., Eury, E., Lobbens, S., Gigante, B., Leander, K., McLeod, O., Bottinger, E. P., Gottesman, O., Ruderfer, D., Blüher, M., Kovacs, P., Tonjes, A., Maruthur, N. M., Scapoli, C., Erbel, R., Jöckel, K., Moebus, S., de Faire, U., Hamsten, A., Stumvoll, M., Deloukas, P., Donnelly, P. J., Frayling, T. M., Hattersley, A. T., Ripatti, S., Salomaa, V., Pedersen, N. L., Boehm, B. O., Bergman, R. N., Collins, F. S., Mohlke, K. L., Tuomilehto, J., Hansen, Torben, Pedersen, Oluf Borbye, Barroso, I., Lannfelt, L., Ingelsson, E., Lind, L., Lindgren, C. M., Cauchi, S., Froguel, P., Loos, R. J., Balkau, B., Boeing, H., Franks, P. W., Gurrea, A. B., Palli, D., van der Schouw, Y. T., Altschuler, D., Groop, L. C., Langenberg, C., Wareham, N. J., Sijbrands, E., van Duijn, C. M., Florez, J. C., Meigs, J. B., Boerwinkle, E., Gieger, C., Strauch, K., Metspalu, A., Morris, A. D., Palmer, C. N., Hu, F. B., Thorsteinsdottir, U., Stefansson, K., Dupuis, J., Morris, A. P., Boehnke, M., McCarthy, M. I. & Prokopenko, I., 2017, In: *Diabetes*. 66, 11, p. 2888-2902

### **Genetic correlation between amyotrophic lateral sclerosis and schizophrenia**

McLaughlin, R. L., Schijven, D., Van Rheenen, W., Van Eijk, K. R., O'Brien, M., Kahn, R. S., Ophoff, R. A., Goris, A., Bradley, D. G., Al-Chalabi, A., Van Den Berg, L. H., Luykx, J. J., Hardiman, O., Veldink, J. H., Shatunov, A., Dekker, A. M., Diekstra, F. P., Pulit, S. L., Van Der Spek, R. A. A., Van Doormaal, P. T. C. & 31 others, Sproviero, W., Jones, A. R., Nicholson, G. A., Rowe, D. B., Pamphlett, R., Kiernan, M. C., Bauer, D., Kahlke, T., Williams, K., Eftimov, F., Fogh, I., Ticozzi, N., Lin, K., Millecamps, S., Salachas, F., Meininger, V., Carvalho, M. D., Pinto, S., Mora, J. S., Rojas-García, R., Polak, M., Chandran, S., Andersen, P. M., Pers, Tune H, Hansen, M., Hansen, T., Li, T., Olsen, L., Rasmussen, H. B., Werge, Thomas & Project MinE GWAS Consortium & Schizophrenia Working Group of the Psychiatric Genomics Consortium, P. M. G. C. & S. W. G. O. T. P. G. C., 2017, In: *Nature Communications*. 8, 14774.

### **Shared genetic variants suggest common pathways in allergy and autoimmune diseases**

Kreiner, E., Waage, J., Standl, M., Brix, S., Pers, T. H., Couto Alves, A., Warrington, N. M., Tiesler, C. M., Fuertes, E., Franke, L., Hirschhorn, J. N., James, A., Simpson, A., Tung, J. Y., Koppelman, G. H., Postma, D. S., Pennell, C. E., Jarvelin, M-R., Custovic, A., Timpson, N. & 6 others, Ferreira, M. A., Strachan, D. P., Henderson, J., Hinds, D., Bisgaard, H. & Bønnelykke, Klaus, 2017, In: *The Journal of allergy and clinical immunology*. 140, 3, p. 771-781

### **Gene set analysis for interpreting genetic studies**

Pers, Tune H, 1 Oct 2016, In: *Human Molecular Genetics*. 25, R2, p. R133-R140 8 p.

### **No Reliable Association between Runs of Homozygosity and Schizophrenia in a Well-Powered Replication Study**

Johnson, E. C., Bjelland, D. W., Howrigan, D. P., Abdellaoui, A., Breen, G., Borglum, A. D., Cichon, S., Degenhardt, F., Forstner, A. J., Frank, J., Genovese, G., Heilmann-Heimbach, S., Herms, S., Hoffman, P., Maier, W., Mattheisen, M., Morris, D. W., Mowry, B. J., Müller-Mhysok, B., Neale, B. M. & 297 others, Nenadic, I., Nöthen, M. M., O'Dushlaine, C., Rietschel, M., Ruderfer, D. M., Rujescu, D., Schulze, T. G., Simonson, M. A., Stahl, E. A., Strohmaier, J., Witt, S. H., Ripke, S., Neale, B. M., Corvin, A., Walters, J. T. R., Farh, K., Holmans, P. A., Lee, P. H., Bulik-Sullivan, B., Collier, D. A., Huang, H., Pers, Tune H, Agartz, I., Agerbo, E., Albus, M., Alexander, M., Amin, F., Bacanu, S., Begemann, M., Belliveau, R. A., Bene, J., Bergen, S. E., Bevilacqua, E., Bigdeli, T. B., Black, D. W., Bruggeman, R., Buccola, N. G., Buckner, R. L., Byerley, W. F., Cahn, W., Cai, G., Campion, D., Cantor, R. M., Carr, V. J., Carrera, N., Catts, S. V.,

Chambert, K. D., Chan, R. C. K., Chen, R. Y. L., Chen, E. Y. H., Cheng, W., Cheung, E. F. C., Chong, S. A., Robert Cloninger, C., Cohen, D., Cohen, N., Cormican, P., Craddock, N., Crowley, J. J., Curtis, D., Davidson, M., Davis, K. L., Del-Favero, J., Demontis, D., Dikeos, D., Dinan, T., Djurovic, S., Donohoe, G., Drapeau, E., Duan, J., Dudbridge, F., Durmishi, N., Eichhammer, P., Eriksson, J., Escott-Price, V., Essioux, L., Fanous, A. H., Farrell, M. S., Franke, L., Freedman, R., Freimer, N. B., Friedl, M., Friedman, J. I., Fromer, M., Georgieva, L., Giegling, I., Giusti-Rodríguez, P., Godard, S., Goldstein, J. I., Golimbet, V., Gopal, S., Gratten, J., de Haan, L., Hammer, C., Hamshere, M. L., Hansen, M., Hansen, T., Haroutunian, V., Hartmann, A. M., Henskens, F. A., Hirschhorn, J. N., Hoffmann, P., Hofman, A., Hollegaard, M. V., Hougaard, D. M., Ikeda, M., Joa, I., Julià, A., Kahn, R. S., Kalaydjieva, L., Karachanak-Yankova, S., Karjalainen, J., Kavanagh, D., Kennedy, J. L., Khrunin, A., Kim, Y., Klovins, J., Knowles, J. A., Konte, B., Kucinskas, V., Kucinskiene, Z. A., Kuzelova-Ptackova, H., Kähler, A. K., Laurent, C., Chee Keong, J. L., Hong Lee, S., Legge, S. E., Lerer, B., Li, M., Li, T., Liang, K., Lieberman, J., Limborska, S., Loughland, C. M., Lubinski, J., Lönnqvist, J., Macek, M., Magnusson, P. K. E., Maher, B. S., Mallet, J., Marsal, S., Mattingsdal, M., McCarley, R. W., McDonald, C., McIntosh, A. M., Meier, S. M., Meijer, C. J., Melegh, B., Melle, I., Meshulam-Gately, R. I., Metspalu, A., Michie, P. T., Milani, L., Milanova, V., Mokrab, Y., Morris, D. W., Mors, O., Murphy, K. C., Murray, R. M., Myin-Germeys, I., Müller-Myhsok, B., Nelis, M., Nertney, D. A., Nestadt, G., Nicodemus, K. K., Nikitina-Zake, L., Nisenbaum, L., Nordin, A., O'Callaghan, E., O'Dushlaine, C. T., Anthony O'Neill, F., Oh, S. Y., Olincy, A., Olsen, L., van Os, J., Pantelis, C., Papadimitriou, G. N., Papiol, S., Parkhomenko, E., Pato, M. T., Paunio, T., Pejovic-Milovancevic, M., Perkins, D. O., Pietiläinen, O., Pimm, J., Pocklington, A. J., Powell, J., Price, A. L., Pulver, A. E., Purcell, S. M., Queded, D., Rasmussen, Henrik Berg, Reichenberg, A., Reimers, M. A., Richards, A. L., Roffman, J. L., Roussos, P., Salomaa, V., Sanders, A. R., Schall, U., Schubert, C. R., Schwab, S. G., Scolnick, E. M., Scott, R. J., Seidman, L. J., Shi, J., Sigurdsson, E., Silagadze, T., Silverman, J. M., Sim, K., Slominsky, P., Smoller, J. W., So, H. C., Spencer, C. C. A., Stahl, E. A., Stefansson, H., Steinberg, S., Stogmann, E., Straub, R. E., Strengman, E., Scott Stroup, T., Subramaniam, M., Suvisaari, J., Svrakic, D. M., Szatkiewicz, J. P., Söderman, E., Thirumalai, S., Toncheva, D., Tosato, S., Veijola, J., Waddington, J., Walsh, D., Wang, D., Wang, Q., Webb, B. T., Weiser, M., Wildenauer, D. B., Williams, N. M., Watts-Williams, S. J., Wolen, A. R., Wong, E. H. M., Wormley, B. K., Xi, H. S., Zai, C. C., Zheng, X., Zimprich, F., Wray, N. R., Stefansson, K., Visscher, P. M., Adolfsson, R., Andreassen, O. A., Blackwood, D. H. R., Bramon, E., Buxbaum, J. D., Børglum, A. D., Darvasi, A., Domenici, E., Ehrenreich, H., Esko, T., Gejman, P. V., Gill, M., Gurling, H., Hultman, C. M., Iwata, N., Jablensky, A. V., Jönsson, E. G., Kendler, K. S., Kirov, G., Knight, J., Lencz, T., Levinson, D. F., Li, Q. S., Liu, J., Malhotra, A. K., McCarroll, S. A., McQuillin, A., Moran, J. L., Mortensen, P. B., Mowry, B. J., Nöthen, M. M., Ophoff, R. A., Owen, M. J., Palotie, A., Pato, C. N., Petryshen, T. L., Posthuma, D., Riley, B. P., Sham, P., Sklar, P., St Clair, D., Weinberger, D. R., Wendland, J. R., Werge, Thomas, Daly, M. J., O'Donovan, M. C., Sullivan, P. F. & Keller, M. C., Oct 2016, In: PLOS Genetics. 12, 10, 20 p., e1006343.

## 52 Genetic Loci Influencing Myocardial Mass

van der Harst, P., van Setten, J., Verweij, N., Vogler, G., Franke, L., Maurano, M. T., Wang, X., Mateo Leach, I., Eijgelsheim, M., Sotoodehnia, N., Hayward, C., Sorice, R., Meirelles, O., Lyytikäinen, L-P., Polašek, O., Tanaka, T., Arking, D. E., Ulivi, S., Trompet, S., Müller-Nurasyid, M. & 140 others, Smith, A. V., Dörr, M., Kerr, K. F., Magnani, J. W., Del Greco M, F., Zhang, W., Nolte, I. M., Silva, C. T., Padmanabhan, S., Tragante, V., Esko, T., Abecasis, G. R., Adriaens, M. E., Andersen, K., Barnett, P., Bis, J. C., Bodmer, R., Buckley, B. M., Campbell, H., Cannon, M. V., Chakravarti, A., Chen, L. Y., Delitala, A., Devereux, R. B., Doevendans, P. A., Dominiczak, A. F., Ferrucci, L., Ford, I., Gieger, C., Harris, T. B., Haugen, E., Heinig, M., Hernandez, D. G., Hillege, H. L., Hirschhorn, J. N., Hofman, A., Hubner, N., Hwang, S., Iorio, A., Kähönen, M., Kellis, M., Kolcic, I., Kooner, I. K., Kooner, J. S., Kors, J. A., Lakatta, E. G., Lage, K., Launer, L. J., Levy, D., Lundby, Alicia, Macfarlane, P. W., May, D., Meitinger, T., Metspalu, A., Nappo, S., Naitza, S., Neph, S., Nord, A. S., Nutile, T., Okin, P. M., Olsen, Jesper Velgaard, Oostra, B. A., Penninger, J. M., Pennacchio, L. A., Pers, Tune H, Perz, S., Peters, A., Pinto, Y. M., Pfeufer, A., Pilia, M. G., Pramstaller, P. P., Prins, B. P., Raitakari, O. T., Raychaudhuri, S., Rice, K. M., Rossin, E. J., Rotter, J. I., Schafer, S., Schlessinger, D., Schmidt, C. O., Sehmi, J., Silljé, H. H. W., Sinagra, G., Sinner, M. F., Slowikowski, K., Soliman, E. Z., Spector, T. D., Spiering, W., Stamatoyannopoulos, J. A., Stolk, R. P., Strauch, K., Tan, S., Tarasov, K. V., Trinh, B., Uitterlinden, A. G., van den Boogaard, M., van Duijn, C. M., van Gilst, W. H., Viikari, J. S., Visscher, P. M., Vitart, V., Völker, U., Waldenberger, M., Weichenberger, C. X., Westra, H., Wijmenga, C., Wolffenbuttel, B. H., Yang, J., Bezzina, C. R., Munroe, P. B., Snieder, H., Wright, A. F., Rudan, I., Boyer, L. A., Asselbergs, F. W., van Veldhuisen, D. J., Stricker, B. H., Psaty, B. M., Ciullo, M., Sanna, S., Lehtimäki, T., Wilson, J. F., Bandinelli, S., Alonso, A., Gasparini, P., Jukema, J. W., Kääh, S., Gudnason, V., Felix, S. B., Heckbert, S. R., de Boer, R. A., Newton-Cheh, C., Hicks, A. A., Chambers, J. C., Jamshidi, Y., Visel, A., Christoffels, V. M., Isaacs, A., Samani, N. J. & de Bakker, P. I. W., 27 Sep 2016, In: Journal of the American College of Cardiology. 68, 13, p. 1435-48 14 p.

## The genetics of blood pressure regulation and its target organs from association studies in 342,415 individuals

Ehret, G. B., Ferreira, T., Chasman, D. I., Jackson, A. U., Schmidt, E. M., Johnson, T., Thorleifsson, G., Luan, J., Donnelly, L. A., Kanoni, S., Petersen, A-K., Pihur, V., Strawbridge, R. J., Shungin, D., Hughes, M. F., Meirelles, O., Kaakinen, M., Bouatia-Naji, N., Kristiansson, K., Shah, S. & 31 others, Kleber, M. E., Guo, X., Lyytikäinen, L., Fava, C., Eriksson, N., Nolte, I. M., Magnusson, P. K., Salfati, E. L., Rallidis, L. S., Theusch, E., Smith, A. J. P., Folkersen, L., Witkowska, K., Pers, Tune H, Joehanes, R., Kim, S. K., Lataniotis, L., Jansen, R., Johnson, A. D., Warren, H., Kim, Y. J., Zhao, W., Wu, Y., Tayo, B. O., Bochud, M., Absher, D., Adair, L. S., Amin, N., Njølstad, I., Schwarz, Peter & CHARGE-EchoGen Consortium, C. C., 12 Sep 2016, In: Nature Genetics. 48, 10, p. 1171-1184 14 p.

### **Meta-analysis of 375,000 individuals identifies 38 susceptibility loci for migraine**

Gormley, P., Anttila, V., Winsvold, B. S., Palta, P., Esko, T., Pers, T. H., Farh, K-H., Cuenca-Leon, E., Muona, M., Furlotte, N. A., Kurth, T., Ingason, A., McMahon, G., Ligthart, L., Terwindt, G. M., Kallela, M., Freilinger, T. M., Ran, C., Gordon, S. G., Stam, A. H. & 31 others, Steinberg, S., Borck, G., Koironen, M., Quaye, L., Adams, H. H. H., Lehtimäki, T., Sarin, A., Wedenoja, J., Hinds, D. A., Buring, J. E., Schürks, M., Ridker, P. M., Hrafnisdóttir, M. G., Stefansson, H., Ring, S. M., Hottenga, J., Penninx, B. W. J. H., Färkkilä, M., Artto, V., Kaunisto, M., Vepsäläinen, S., Malik, R., Heath, A. C., Madden, P. A. F., Martin, N. G., Montgomery, G. W., Christensen, A. F., Hansen, Thomas Folkmann, Werge, Thomas, Olesen, Jes & International Headache Genetics Consortium, I. H. G. C., Aug 2016, In: Nature Genetics. 48, 8, p. 856-66 11 p.

### **Genome-wide association study identifies 74 loci associated with educational attainment**

Okbay, A., Beauchamp, J. P., Fontana, M. A., Lee, J. J., Pers, T. H., Rietveld, C. A., Turley, P., Chen, G-B., Emilsson, V., Meddens, S. F. W., Oskarsson, S., Pickrell, J. K., Thom, K., Timshel, P. N., de Vlaming, R., Abdellaoui, A., Ahluwalia, T. V. S., Bacelis, J., Baumbach, C., Bjornsdóttir, G. & 31 others, Brandsma, J. H., Pina Concas, M., Derringer, J., Furlotte, N. A., Galesloot, T. E., Girotto, G., Gupta, R., Hall, L. M., Harris, S. E., Hofer, E., Horikoshi, M., Huffman, J. E., Kaasik, K., Kalafati, I. P., Karlsson, R., Kong, A., Lahti, J., van der Lee, S. J., deLeeuw, C., Lind, P. A., Lindgren, K., Liu, T., Mangino, M., Marten, J., Mihailov, E., Miller, M. B., Bønnelykke, Klaus, Waage, J., Bisgaard, H., Sørensen, Thorkild I.A. & LifeLines Cohort Study, L. C. S., 26 May 2016, In: Nature. 533, 7604, p. 539-42 4 p.

### **Analysis of five chronic inflammatory diseases identifies 27 new associations and highlights disease-specific patterns at shared loci**

Ellinghaus, D., Jostins, L., Spain, S. L., Cortes, A., Bethune, J., Han, B., Park, Y. R., Raychaudhuri, S., Pouget, J. G., Hübenthal, M., Folseraas, T., Wang, Y., Esko, T., Metspalu, A., Westra, H-J., Franke, L., Pers, T. H., Weersma, R. K., Collij, V., D'Amato, M. & 26 others, Halfvarson, J., Jensen, A. B., Lieb, W., Degenhardt, F., Forstner, A. J., Hofmann, A., Schreiber, S., Mrowietz, U., Juran, B. D., Lazaridis, K. N., Brunak, Søren, Dale, A. M., Trembath, R. C., Weidinger, S., Weichenthal, M., Ellinghaus, E., Elder, J. T., Barker, J. N. W. N., Andreassen, O. A., McGovern, D. P., Karlsen, T. H., Barrett, J. C., Parkes, M., Brown, M. A., Franke, A. & International IBD Genetics Consortium (IIBDGC), I. I. G. C. (., May 2016, In: Nature Genetics. 48, 5, p. 510-521 12 p.

### **New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk**

Lu, Y., Day, F. R., Gustafsson, S., Buchkovich, M. L., Na, J., Bataille, V., Cousminer, D. L., Dastani, Z., Drong, A. W., Esko, T., Evans, D. M., Falchi, M., Feitosa, M. F., Ferreira, T., Hedman, Å. K., Haring, R., Hysi, P. G., Iles, M. M., Justice, A. E., Kanoni, S. & 239 others, Lagou, V., Li, R., Li, X., Locke, A., Lu, C., Mägi, R., Perry, J. R. B., Pers, Tune H, Qi, Q., Sanna, M., Schmidt, E. M., Scott, W. R., Shungin, D., Teumer, A., Vinkhuyzen, A. A. E., Walker, R. W., Westra, H., Zhang, M., Zhang, W., Zhao, J. H., Zhu, Z., Afzal, U., Ahluwalia, Tarun Veer Singh, Bakker, S. J. L., Bellis, C., Bonnefond, A., Borodulin, K., Buchman, A. S., Cederholm, T., Choh, A. C., Choi, H. J., Curran, J. E., de Groot, L. C. P. G. M., De Jager, P. L., Dhonukshe-Rutten, R. A. M., Enneman, A. W., Eury, E., Evans, D. S., Forsen, T., Friedrich, N., Fumeron, F., Garcia, M. E., Gärtner, S., Han, B., Havulinna, A. S., Hayward, C., Hernandez, D., Hillege, H., Ittermann, T., Kent, J. W., Kolcic, I., Laatikainen, T., Lahti, J., Mateo Leach, I., Lee, C. G., Lee, J., Liu, T., Liu, Y., Lobbens, S., Loh, M., Lyytikäinen, L., Medina-Gomez, C., Michaëlsson, K., Nalls, M. A., Nielson, C. M., Oozageer, L., Pascoe, L., Paternoster, L., Polašek, O., Ripatti, S., Sarzynski, M. A., Shin, C. S., Narančić, N. S., Spira, D., Srikanth, P., Steinhagen-Thiessen, E., Sung, Y. J., Swart, K. M. A., Taittonen, L., Tanaka, T., Tikkanen, E., van der Velde, N., van Schoor, N. M., Verweij, N., Wright, A. F., Yu, L., Zmuda, J. M., Eklund, N., Forrester, T., Grarup, Niels, Jackson, A. U., Kristiansson, K., Kuulasmaa, T., Kuusisto, J., Lichtner, P., Luan, J., Mahajan, A., Männistö, S., Palmer, C. D., Ried, J. S., Scott, R. A., Stancáková, A., Wagner, P. J., Demirkan, A., Döring, A., Gudnason, V., Kiel, D. P., Kühnel, B., Mangino, M., Mcknight, B., Menni, C., O'Connell, J. R., Oostra, B. A., Shuldiner, A. R., Song, K., Vandenput, L., van Duijn, C. M., Vollenweider, P., White, C. C., Boehnke, M., Boettcher, Y., Cooper, R. S., Forouhi, N. G., Gieger, C., Grallert, H., Hingorani, A., Jørgensen, T., Jousilahti, P., Kivimäki, M., Kumari, M., Laakso, M., Langenberg, C., Linneberg, Allan René, Luke, A., Mckenzie, C. A., Palotie, A., Pedersen, Oluf Borbye, Peters, A., Strauch, K., Tayo, B. O., Wareham, N. J., Bennett, D. A., Bertram, L., Blangero, J., Blüher, M., Bouchard, C., Campbell, H., Cho, N. H., Cummings, S. R., Czerwinski, S. A., Demuth, I., Eckardt, R., Eriksson, J. G., Ferrucci, L., Franco, O. H., Froguel, P., Gansevoort, R. T., Hansen, Torben, Harris, T. B., Hastie, N., Heliövaara, M., Hofman, A., Jordan, J. M., Jula, A., Kähönen, M., Kajantie, E., Knekt, P. B., Koskinen, S., Kovacs, P., Lehtimäki, T., Lind, L., Liu, Y., Orwoll, E. S., Osmond, C., Perola, M., Pérusse, L., Raitakari, O. T., Rankinen, T., Rao, D. C., Rice, T. K., Rivadeneira, F., Rudan, I., Salomaa, V., Sørensen, Thorkild I.A., Stumvoll, M., Tönjes, A., Towne, B., Tranah, G. J., Tremblay, A., Uitterlinden, A. G., van der Harst, P., Vartiainen, E., Viikari, J. S., Vitart, V., Vohl, M., Völzke, H., Walker, M., Wallaschofski, H., Wild, S., Wilson, J. F., Yengo, L., Bishop, D. T., Borecki, I. B., Chambers, J. C., Cupples, L. A., Dehghan, A., Deloukas, P., Fatemifar, G., Fox, C., Furey, T. S., Franke, L., Han, J., Hunter, D. J., Karjalainen, J., Karpe, F., Kaplan, R. C., Kooner, J. S., McCarthy, M. I., Murabito, J. M., Morris, A. P., Bishop, J. A. N., North, K. E., Ohlsson, C., Ong, K. K., Prokopenko, I., Richards, J. B., Schadt, E. E., Spector, T. D., Widén, E., Willer, C. J., Yang, J., Ingelsson, E., Mohlke, K. L., Hirschhorn, J. N., Pospisilik, J. A., Zillikens, M. C., Lindgren, C., Kilpeläinen, Tuomas O. & Loos, Ruth, 1 Feb 2016, In: Nature Communications. 7, p. 1-15 15 p., 10495.

### **Comprehensive analysis of schizophrenia-associated loci highlights ion channel pathways and biologically plausible candidate causal genes**

Pers, Tune H, Timshel, P., Ripke, S., Lent, S., Sullivan, P. F., O'Donovan, M. C., Franke, L., Hirschhorn, J. N. & Schizophrenia Working Group of the Psychiatric Genomics Consortium, S. W. G. O. T. P. G. C., 10 Jan 2016, In: Human Molecular Genetics. 25, 6, p. 1247-1254 8 p.

#### **Genome-wide association analysis identifies three new susceptibility loci for childhood body mass index**

Felix, J. F., Bradfield, J. P., Monnereau, C., van der Valk, R. J. P., Stergiakouli, E., Chesi, A., Gaillard, R., Feenstra, B., Thiering, E., Kreiner-Møller, E., Mahajan, A., Pitkänen, N., Joro, R., Cavadino, A., Huikari, V., Franks, S., Groen-Blokhuis, M. M., Cousminer, D. L., Marsh, J. A., Lehtimäki, T. & 31 others, Curtin, J. A., Vioque, J., Ahluwalia, Tarun Veer Singh, Myhre, R., Price, T. S., Vilor-Tejedor, N., Yengo, L., Grarup, Niels, Ntalla, I., Ang, W., Atalay, M., Bisgaard, H., Blakemore, A. I., Bonnefond, A., Carstensen, L., Eriksson, J., Flexeder, C., Franke, L., Geller, F., Geserick, M., Hartikainen, A., Haworth, C. M. A., Hirschhorn, J. N., Holm, Jens-Christian, Kadarmideen, H. N., Pers, Tune H, Pedersen, Oluf Borbye, Hansen, Torben, Melbye, M., Sørensen, Thorkild I.A. & Bone Mineral Density in Childhood Study (BMDCS) Consortium, B. M. D. I. C. S. (. C.), 2016, In: Human Molecular Genetics. 25, 2, p. 389-403

#### **Genome-wide meta-analysis uncovers novel loci influencing circulating leptin levels**

Kilpeläinen, T. O., Carli, J. F. M., Skowronski, A. A., Sun, Q., Kriebel, J., Feitosa, M. F., Hedman, Å. K., Drong, A. W., Hayes, J. E., Zhao, J., Pers, T. H., Schick, U., Grarup, N., Kutalik, Z., Trompet, S., Mangino, M., Kristiansson, K., Beekman, M., Lyytikäinen, L-P., Eriksson, J. & 157 others, Henneman, P., Lahti, J., Tanaka, T., Luan, J., Greco M, F. D., Pasko, D., Renström, F., Willems, S. M., Mahajan, A., Rose, L. M., Guo, X., Liu, Y., Kleber, M. E., Pérusse, L., Gaunt, T., Ahluwalia, Tarun Veer Singh, Ju Sung, Y., Ramos, Y. F., Amin, N., Amuzu, A., Barroso, I., Bellis, C., Blangero, J., Buckley, B. M., Böhringer, S., I Chen, Y., de Craen, A. J. N., Crosslin, D. R., Dale, C. E., Dastani, Z., Day, F. R., Deelen, J., Delgado, G. E., Demirkan, A., Finucane, F. M., Ford, I., Garcia, M. E., Gieger, C., Gustafsson, S., Hallmans, G., Hankinson, S. E., Havulinna, A. S., Herder, C., Hernandez, D., Hicks, A. A., Hunter, D. J., Illig, T., Ingelsson, E., Ioan-Facsinay, A., Jansson, J., Jenny, N. S., Jørgensen, M. E., Jørgensen, T., Karlsson, M., Koenig, W., Kraft, P., Kwekkeboom, J., Laatikainen, T., Ladwig, K., LeDuc, C. A., Lowe, G., Lu, Y., Marques-Vidal, P., Meisinger, C., Menni, C., Morris, A. P., Myers, R. H., Männistö, S., Nalls, M. A., Paternoster, L., Peters, A., Pradhan, A. D., Rankinen, T., Rasmussen-Torvik, L. J., Rathmann, W., Rice, T. K., Brent Richards, J., Ridker, P. M., Sattar, N., Savage, D. B., Söderberg, S., Timpson, N. J., Vandenput, L., van Heemst, D., Uh, H., Vohl, M., Walker, M., Wichmann, H., Widén, E., Wood, A. R., Yao, J., Zeller, T., Zhang, Y., Meulenbelt, I., Kloppenburg, M., Astrup, A., Sørensen, Thorkild I.A., Sarzynski, M. A., Rao, D. C., Jousilahti, P., Vartiainen, E., Hofman, A., Rivadeneira, F., Uitterlinden, A. G., Kajantie, E., Osmond, C., Palotie, A., Eriksson, J. G., Heliövaara, M., Knekt, P. B., Koskinen, S., Jula, A., Perola, M., Huupponen, R. K., Viikari, J. S., Kähönen, M., Lehtimäki, T., Raitakari, O. T., Mellström, D., Lorentzon, M., Casas, J. P., Bandinelli, S., März, W., Isaacs, A., van Dijk, K. W., van Duijn, C. M., Harris, T. B., Bouchard, C., Allison, M. A., Chasman, D. I., Ohlsson, C., Lind, L., Scott, R. A., Langenberg, C., Wareham, N. J., Ferrucci, L., Frayling, T. M., Pramstaller, P. P., Borecki, I. B., Waterworth, D. M., Bergmann, S., Waeber, G., Vollenweider, P., drb459, drb459, Hansen, Torben, Pedersen, Oluf Borbye, Hu, F. B., Eline Slagboom, P., Grallert, H., Spector, T. D., Jukema, J. W., Klein, R. J., Schadt, E. E., Franks, P. W., Lindgren, C. M., Leibel, R. L. & Loos, Ruth, 2016, In: Nature Communications. 7, 14 p., 10494.

#### **Gene-based meta-analysis of genome-wide association studies implicates new loci involved in obesity**

Hägg, S., Ganna, A., Van Der Laan, S. W., Esko, T., Pers, Tune H, Locke, A. E., Berndt, S. I., Justice, A. E., Kahali, B., Siemelink, M. A., Pasterkamp, G., Strachan, D. P., Speliotes, E. K., North, K. E., Loos, Ruth, Hirschhorn, J. N., Pawitan, Y., Ingelsson, E. & GIANT Consortium, G. C., 1 Dec 2015, In: Human Molecular Genetics. 24, 23, p. 6849-60 12 p.

#### **Population genetic differentiation of height and body mass index across Europe**

Robinson, M. R., Hemani, G., Medina-Gomez, C., Mezzavilla, M., Esko, T., Shakhbazov, K., Powell, J. E., Vinkhuyzen, A., Berndt, S. I., Gustafsson, S., Justice, A. E., Kahali, B., Locke, A. E., Pers, T. H., Vedantam, S., Wood, A. R., van Rheenen, W., Andreassen, O. A., Gasparini, P., Metspalu, A. & 23 others, Berg, L. H. V. D., Veldink, J. H., Rivadeneira, F., Werge, Thomas, Abecasis, G. R., Boomsma, D. I., Chasman, D. I., de Geus, E. J. C., Frayling, T. M., Hirschhorn, J. N., Hottenga, J. J., Ingelsson, E., Loos, R. J. F., Magnusson, P. K. E., Martin, N. G., Montgomery, G. W., North, K. E., Pedersen, N. L., Spector, T. D., Speliotes, E. K., Goddard, M. E., Yang, J. & Visscher, P. M., Nov 2015, In: Nature Genetics. 47, 11, p. 1357-62, 2 unpag. Methods 8 p.

#### **A novel common variant in *DCST2* is associated with length in early life and height in adulthood**

van der Valk, R. J. P., Kreiner-Møller, E., Kooijman, M. N., Guxens, M., Stergiakouli, E., Sääf, A., Bradfield, J. P., Geller, F., Hayes, M. G., Cousminer, D. L., Körner, A., Thiering, E., Curtin, J. A., Myhre, R., Huikari, V., Joro, R., Kerkhof, M., Warrington, N. M., Pitkänen, N., Ntalla, I. & 31 others, Horikoshi, M., Veijola, R., Freathy, R. M., Teo, Y., Barton, S. J., Evans, D. M., Kemp, J. P., St Pourcain, B., Ring, S. M., Davey Smith, G., Bergström, A., Kull, I., Hakonarson, H., Mentch, F. D., Bisgaard, H., Chawes, Bo Lund Krogsgaard, Stokholm, Jakob, Waage, J., Eriksen, P., Sevelsted, A., Melbye, M., van Duijn, C. M., Medina-Gomez, C., Hofman, A., de Jongste, J. C., Taal, H. R., Uitterlinden, A. G., Armstrong, L. L., Pers, Tune H, Bønnelykke, Klaus & Early Genetics and Lifecourse Epidemiology (EAGLE) Consortium, E. G. A. L. E. (. C.), 15 Feb 2015, In: Human Molecular Genetics. 24, 4, p. 1155-68 14 p.

### **Genetic studies of body mass index yield new insights for obesity biology**

Locke, A. E., Kahali, B., Berndt, S. I., Justice, A. E., Pers, T. H., Day, F. R., Powell, C., Vedantam, S., Buchkovich, M. L., Yang, J., Croteau-Chonka, D. C., Esko, T., Fall, T., Ferreira, T., Gustafsson, S., Kutalik, Z., Luan, J., Mägi, R., Randall, J. C., Winkler, T. W. & 31 others, Wood, A. R., Workalemahu, T., Faul, J. D., Smith, J. A., Hua Zhao, J., Zhao, W., Chen, J., Fehrmann, R., Hedman, Å. K., Karjalainen, J., Schmidt, E. M., Absher, D., Amin, N., Anderson, D., Beekman, M., Bolton, J. L., Bragg-Gresham, J. L., Buyske, S., Demirkan, A., Deng, G., Ehret, G. B., Feenstra, B., Feitosa, M. F., Fischer, K., Goel, A., Gong, J., Jackson, A. U., Schwarz, Peter, Melbye, M., Njølstad, I. & LifeLines Cohort Study, L. C. S., 12 Feb 2015, In: *Nature*. 518, 7538, p. 197-206 24 p., 14177.

### **SNPsnap: a Web-based tool for identification and annotation of matched SNPs**

Pers, Tune H, Timshel, P. & Hirschhorn, J. N., 2015, In: *Bioinformatics*. 31, 3, p. 418-420 3 p.

### **Genome-wide association analyses identify variants in developmental genes associated with hypospadias**

Geller, F., Feenstra, B., Carstensen, L., Pers, Tune H, van Rooij, I. A. L. M., Korberg, I. B., Choudhry, S., Karjalainen, J. M., Schnack, T. H., Hollegaard, M. V., Feitz, W. F. J., Roeleveld, N., Hougaard, D. M., Hirschhorn, J. N., Franke, L., Baskin, L. S., Nordenskjold, A., van der Zanden, L. F. M. & Melbye, M., Sep 2014, In: *Nature Genetics*. 46, 9, p. 957+

### **Meta-analysis of genome-wide association studies identifies ten loci influencing allergic sensitization**

Bønnelykke, K., Matheson, M. C., Pers, T. H., Granell, R., Strachan, D. P., Alves, A. C., Linneberg, A., Curtin, J. A., Warrington, N. M., Standl, M., Kerkhof, M., Jonsdottir, I., Bukvic, B. K., Kaakinen, M., Sleimann, P., Thorleifsson, G., Thorsteinsdottir, U., Schramm, K., Baltic, S., Kreiner-Møller, E. & 47 others, Simpson, A., Pourcain, B. S., Coin, L., Hui, J., Walters, E. H., Tiesler, C. M. T., Duffy, D. L., Jones, G., Ring, S. M., McArdle, W. L., Price, L., Robertson, C. F., Pekkanen, J., Tang, C. S., Thiering, E., Montgomery, G. W., Hartikainen, A., Dharmage, S. C., Husemoen, L. L., Herder, C., Kemp, J. P., Elliot, P., James, A., Waldenberger, M., Abramson, M. J., Fairfax, B. P., Knight, J. C., Gupta, R., Thompson, P. J., Holt, P., Sly, P., Hirschhorn, J. N., Blekic, M., Weidinger, S., Hakonarsson, H., Stefansson, K., Heinrich, J., Postma, D. S., Custovic, A., Pennell, C. E., Jarvelin, M., Koppelman, G. H., Timpson, N., Ferreira, M. A., Bisgaard, H., Henderson, A. J. & (AAGC), A. A. G. C., 2013, In: *Nature Genetics*. 45, p. 902-906 5 p.

### **Meta-analysis of heterogeneous data sources for genome-scale identification of risk genes in complex phenotypes**

Pers, T. H., Hansen, N. T., Hansen, K. L., Koefoed, P., Dworzynski, P., Miller, M. L., Flint, T. J., Møller, E., Dam, H., Andreassen, O. A., Djurovic, S., Melle, I., Børghlum, A. D., Werge, T., Purcell, S., Ferreira, M. A., Kouskoumvekaki, I., Workman, C., Hansen, T., Mors, O. & 1 others, Brunak, Søren, 11 Apr 2011, In: *Genetic Epidemiology*. 35, 5, p. 318-332 5 p.

### **Protein interaction-based genome-wide analysis of incident coronary heart disease**

Jensen, Majken Karoline, Pers, Tune H, Dworzynski, P., Girman, C. J., Brunak, Søren & Rimm, E. B., 2011, In: *Circulation: Cardiovascular Genetics*. 4, 5, p. 549-56 8 p.

### **The validation and assessment of machine learning: a game of prediction from high-dimensional data**

Pers, Tune H, Albrechtsen, Anders, Holst, C., Sørensen, Thorkild I.A. & Gerds, Thomas Alexander, 2009, In: *PLoS ONE*. 4, 8, p. e6287