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Publikationer

A family of di-glutamate mucin-degrading enzymes that bridges glycan hydrolases and peptidases
Narimatsu, Yoshiki, Büll, C., Taleb, V., Liao, Q., Compañón, I., Sánchez-Navarro, D., Durbesson, F., Vincentelli, R., Hansen, Lars, Corzana, F., Rovira, C., Henrissat, B., Clausen, Henrik, Joshi, Hiren Jitendra & Hurtado-Guerrero, R., 2024, I: Nature Catalysis. 7, s. 386–400 15 s.

A family with ulcerative colitis maps to 7p21.1 and comprises a region with regulatory activity for the aryl hydrocarbon receptor gene
Eiberg, Hans Rudolf Lytchoff, Olsson, J. B., Bak, M., Bang-Berthelsen, C. H., Troelsen, J. T. & Hansen, Lars, 2023, I: European Journal of Human Genetics. 31, s. 1440-1446 7 s.

The SHDRA syndrome-associated gene *TMEM260* encodes a protein-specific O-mannosyltransferase

Larsen, I. S. B., Povolito, Lorenzo, Zhou, L., Tian, W., Mygind, Kasper Johansen, Hintze, John, Jiang, C., Hartill, V., Prescott, K., Johnson, C. A., Mullegama, S. V., McConkie-Rosell, A., McDonald, M., Hansen, Lars, Vakhrushev, Sergey, Schjoldager, Katrine Ter-Borch Gram, Clausen, Henrik, Worzfeld, T., Joshi, Hiren Jitendra & Halim, Adnan, 2023, I: Proceedings of the National Academy of Sciences of the United States of America. 120, 21, s. e2302584120

Installation of O-glycan sulfation capacities in human HEK293 cells for display of sulfated mucins

Sun, L., Konstantinidi, Andriana, Ye, Z., Nason, R., Zhang, Y., Büll, C., Kahl-Knutson, B., Hansen, Lars, Leffler, H., Vakhrushev, Sergey, Yang, Zhang, Clausen, Henrik & Narimatsu, Yoshiki, 2022, I: Journal of Biological Chemistry. 298, 2, 101382.

Display of the human mucinome with defined O-glycans by gene engineered cells

Nason, R., Büll, C., Konstantinidi, A., Sun, L., Ye, Z., Halim, A., Du, W., Sørensen, D. M., Durbesson, F., Furukawa, S., Mandel, U., Joshi, H. J., Dworkin, L. A., Hansen, L., David, L., Iverson, T. M., Bensing, B. A., Sullam, P. M., Varki, A., Vries, E. D. & 6 flere, de Haan, C. A. M., Vincentelli, R., Henrissat, B., Vakhrushev, Sergey, Clausen, Henrik & Narimatsu, Yoshiki, 2021, I: Nature Communications. 12, 1, 16 s., 4070.

Dissecting structure-function of 3-O-sulfated heparin and engineered heparan sulfates

Karlsson, R., Chopra, P., Joshi, A., Yang, Zhang, Vakhrushev, Sergey, Clausen, Thomas Mandel, Painter, C. D., Szekeres, G. P., Chen, Yen-Hsi, Sandoval, D. R., Hansen, Lars, Esko, J. D., Pagel, K., Dyer, D. P., Turnbull, Jeremy Ewan, Clausen, Henrik, Boons, G. J. & Miller, Rebecca Louise, 2021, I: Science Advances. 7, 52, eabl6026.

Polypeptide n-acetylgalactosaminyltransferase-associated phenotypes in mammals

Kato, K., Hansen, Lars & Clausen, Henrik, 2021, I: Molecules. 26, 18, 5504.

A mutation map for human glycoside hydrolase genes

Hansen, Lars, Husein, D. M., Gericke, B., Hansen, Torben, Pedersen, Oluf Borbye, Tambe, M. A., Freeze, H. H., Naim, H. Y., Henrissat, B., Wandall, Hans H., Clausen, Henrik & Bennett, Eric Paul, 2020, I: Glycobiology. 30, 8, s. 500-515 16 s.

Lessons learned from 40 novel *PIGA* patients and a review of the literature

Bayat, A., Knaus, A., Pendziwiat, M., Afenjar, A., Stefan Barakat, T., Bosch, F., Callewaert, B., Calvas, P., Ceulemans, B., Chassaing, N., Depienne, C., Endziniene, M., Ferreira, C. R., Moura de Souza, C. F., Freihofer, C., Ganesan, S., Gataullina, S., Guerrini, R., Guerrot, A. M., Hansen, L. & 34 flere, Jezela-Stanek, A., Karsenty, C., Kievit, A., Kooy, F. R., Korff, C. M., Kragh Hansen, J., Larsen, M., Layet, V., Lesca, G., McBride, K. L., Meuwissen, M., Mignot, C., Montomoli, M., Moore, H., Naudion, S., Nava, C., Nougues, M. C., Parrini, E., Pastore, M., Schelhaas, J. H., Skinner, S., Szczałuba, K., Thomas, A., Thomassen, M., Tranebjærg, Lisbeth, van Slegtenhorst, M., Wolfe, L. A., Lal, D., Gardella, E., Bomme Ousager, L., Brünger, T., Helbig, I., Krawitz, P. & Møller, R. S., 2020, I: Epilepsia. 61, 6, s. 1142-1155

Molecular basis for fibroblast growth factor 23 O-glycosylation by GalNAc-T3

de las Rivas, M., Paul Daniel, E. J., Narimatsu, Yoshiki, Compañón, I., Kato, K., Hermsilla, P., Thureau, A., Ceballos-Laita, L., Coelho, H., Bernadó, P., Marcelo, F., Hansen, Lars, Maeda, R., Lostao, A., Corzana, F., Clausen, Henrik, Gerken, T. A. & Hurtado-Guerrero, R., 2020, I: Nature Chemical Biology. 16, s. 351-360

Novel congenital disorder of O-linked glycosylation caused by GALNT2 loss of function

Zilmer, M., Edmondson, A. C., Khetarpal, S. A., Alesi, V., Zaki, M. S., Rostasy, K., Madsen, C. G., Lepri, F. R., Sinibaldi, L., Cusmai, R., Novelli, A., Issa, M. Y., Fenger, C. D., Jamra, R. A., Reutter, H., Briuglia, S., Agolini, E., Hansen, L., Petäjä-Repo, U. E., Hintze, J. & 12 flere, Raymond, K. M., Liedtke, K., Stanley, V., Musaev, D., Gleeson, J. G., Vitali, C., O'Brien, W. T., Gardella, E., Rubboli, Guido, Rader, D. J., Schjoldager, Katrine Ter-Borch Gram & Møller, R. S., 2020, I: Brain. 143, 4, s. 1114-1126 13 s.

RRP7A links primary microcephaly to dysfunction of ribosome biogenesis, resorption of primary cilia, and neurogenesis

Farooq, M., Lindbæk, L., Krogh, N., Doganli, C., Keller, C., Mönnich, M., Gonçalves, A. B., Sakthivel, S., Mang, Y., Fatima, A., Andersen, V. S., Hussain, M. S., Eiberg, H., Hansen, L., Kjaer, K. W., Gopalakrishnan, J., Pedersen, L. B., Møllgård, K., Nielsen, H., Baig, S. M. & 3 flere, Tommerup, Niels, Christensen, Søren Tvorup & Larsen, Lars Allan, 2020, I: Nature Communications. 11, 16 s., 5816.

A splice-site variant in the lncRNA gene RP1-140A9.1 cosegregates in the large Volkmann cataract family

Eiberg, Hans Rudolf Lytchoff, Mikkelsen, Annemette Friis, Bak, M., Tommerup, Niels, Lund, A. M., Wenzel, Anne, Sabarinathan, R., Gorodkin, Jan, Bang-Berthelsen, C. H. & Hansen, Lars, 2019, I: *Molecular Vision*. 25, s. 1-11 11 s.

A validated collection of mouse monoclonal antibodies to human glycosyltransferases functioning in mucin-type O-glycosylation.

Steenfot, C., Yang, Zhang, Wang, S., Ju, T., Vester-Christensen, M. B., Festari, M. F., King-Smith, S. L., Moremen, K., Larsen, I. S. B., Goth, C. K., Schjoldager, Katrine Ter-Borch Gram, Hansen, Lars, Bennett, Eric Paul, Mandel, Ulla & Narimatsu, Yoshiki, 2019, I: *Glycobiology*. 29, 9, s. 645-656 11 s.

An Atlas of Human Glycosylation Pathways Enables Display of the Human Glycome by Gene Engineered Cells

Narimatsu, Y., Joshi, H. J., Nason, R., Van Coillie, J., Karlsson, R., Sun, L., Ye, Z., Chen, Y-H., Schjoldager, K. T., Steenfot, C., Furukawa, S., Bensing, B. A., Sullam, P. M., Thompson, A. J., Paulson, J. C., Büll, C., Adema, G. J., Mandel, U., Hansen, L., Bennett, E. P. & 4 flere, Varki, A., Vakhrushev, Sergey, Yang, Zhang & Clausen, Henrik, 2019, I: *Molecular Cell*. 75, 2, s. 394-407, e1-e5

The glycosylation design space for recombinant lysosomal replacement enzymes produced in CHO cells

Tian, W., Ye, Z., Wang, S., Schulz, M. A., Van Coillie, Julie, Sun, L., Chen, Yen-Hsi, Narimatsu, Yoshiki, Hansen, Lars, Kristensen, C., Mandel, Ulla, Bennett, Eric Paul, Jabbarzadeh-Tabrizi, S., Schiffmann, R., Shen, J., Vakhrushev, Sergey, Clausen, Henrik & Yang, Zhang, 2019, I: *Nature Communications*. 10, 13 s., 1785.

A validated gRNA library for CRISPR/Cas9 targeting of the human glycosyltransferase genome

Narimatsu, Yoshiki, Joshi, Hiren Jitendra, Zhang, Y., Gomes, C., Chen, Yen-Hsi, Lorenzetti, F., Furukawa, S., Schjoldager, Katrine Ter-Borch Gram, Hansen, Lars, Clausen, Henrik, Bennett, Eric Paul & Wandall, Hans H., 2018, I: *Glycobiology*. 28, 5, s. 295-305

De novo expression of human polypeptide N-acetylgalactosaminyltransferase 6 (GalNAc-T6) in colon adenocarcinoma inhibits the differentiation of colonic epithelium

Lavrsen, K., Dabelsteen, Sally, Vakhrushev, Sergey, Levann, Asha Maria Rudjord, Haue, Amalie Dahl, Dylander, A., Mandel, Ulla, Hansen, Lars, Frödin, Morten, Bennett, Eric Paul & Wandall, Hans H., 2018, I: *The Journal of Biological Chemistry*. 293, s. 1298-1314

Glycosyltransferase genes that cause monogenic congenital disorders of glycosylation are distinct from glycosyltransferase genes associated with complex diseases

Joshi, Hiren Jitendra, Hansen, Lars, Narimatsu, Yoshiki, Freeze, H. H., Henrissat, B., Bennett, Eric Paul, Wandall, Hans H., Clausen, Henrik & Schjoldager, Katrine Ter-Borch Gram, 2018, I: *Glycobiology*. 28, 5, s. 284-294

Site-specific O-glycosylation of members of the low-density lipoprotein receptor superfamily enhances ligand interactions

Wang, S., Mao, Y., Narimatsu, Y., Ye, Z., Tian, W., Goth, C. K., Lira-Navarrete, E., Pedersen, N. B., Benito-Vicente, A., Martin, C., Uribe, K. B., Hurtado-Guerrero, R., Christoffersen, C., Seidah, N. G., Nielsen, R., Christensen, E. I., Hansen, L., Bennett, E. P., Vakhrushev, S. Y., Schjoldager, K. T. & 1 flere, Clausen, Henrik, 2018, I: *The Journal of Biological Chemistry*. 293, 19, s. 7408-7422

Discovery of an O-mannosylation pathway selectively serving cadherins and protocadherins

Larsen, I. S. B., Narimatsu, Yoshiki, Joshi, Hiren Jitendra, Siukstaite, L., Harrison, O. J., Brasch, J., Goodman, K. M., Hansen, Lars, Shapiro, L., Honig, B., Vakhrushev, Sergey, Clausen, Henrik & Halim, Adnan, 2017, I: *Proceedings of the National Academy of Sciences of the United States of America*. 114, 42, s. 11163-11168 6 s.

Isoform-specific mucin type O-glycosylation maintain epithelial homeostasis

Bagdonaite, Ieva, E.M.H., P., K., L., Vakhrushev, Sergey, Hansen, Lars, Joshi, Hiren Jitendra, Bennett, Eric Paul, Dabelsteen, Sally & Wandall, Hans H., 2017, I: *Glycoconjugate Journal*. 34, Suppl. 1, s. S42 1 s., Abstract 78.

Precise integration of inducible transcriptional elements (PrITE) enables absolute control of gene expression

Pinto, R., Hansen, Lars, Hintze, John, Almeida, R., Larsen, S., Coskun, M., Davidsen, J., Mitchelmore, C., David, L., Troelsen, J. T. & Bennett, Eric Paul, 2017, I: *Nucleic Acids Research*. 45, 13, 15 s., e123.

Regulation of protein O-glycosylation in epithelial cells - the polypeptide GalNAc-transferases direct cellular differentiation and maintenance of tissue homeostasis

Pallesen, E. M., Bagdonaite, Ieva, Vakhrushev, Sergey, Hansen, Lars, Joshi, Hiren Jitendra, Dabelsteen, Sally & Wandall, Hans H., dec. 2016, I: *Glycobiology*. 26, 12, s. 1391-1391

Loss of Function of GALNT2 Lowers High-Density Lipoproteins in Humans, Nonhuman Primates, and Rodents

Khetarpal, S. A., Schjoldager, K. T., Christoffersen, C., Raghavan, A., Edmondson, A. C., Reutter, H. M., Ahmed, B., Ouazzani, R., Peloso, G. M., Vitali, C., Zhao, W., Somasundara, A. V. H., Millar, J. S., Park, Y., Fernando, G., Livanov, V., Choi, S., Noé, E., Patel, P., Ho, S. P. & 12 flere, Kirchgessner, T. G., Wandall, Hans H., Hansen, Lars, Bennett, Eric Paul, Vakhrushev, Sergey, Saleheen, D., Kathiresan, S., Brown, C. D., Abou Jamra, R., LeGuern, E., Clausen, Henrik & Rader, D. J., 9 aug. 2016, I: *Cell Metabolism*. 24, 2, s. 234-245 12 s.

A novel splice site mutation in CEP135 is associated with primary microcephaly in a Pakistani family

Farooq, M., Fatima, A., Mang, Y., Hansen, Lars, Kjaer, K. W., Baig, S. M., Larsen, Lars Allan & Tommerup, Niels, mar. 2016, I: *Journal of Human Genetics*. 61, 3, s. 271-273 3 s.

A glycogene mutation map for discovery of diseases of glycosylation

Hansen, Lars, Lind-Thomsen, A., Joshi, Hiren Jitendra, Pedersen, N. B., Have, C. T., Kong, Y., Wang, S., Sparso, T., Grarup, Niels, Vester-Christensen, M. B., Schjoldager, Katrine Ter-Borch Gram, Freeze, H. H., Hansen, Torben, Pedersen, Oluf Borbye, Henriksat, B., Mandel, Ulla, Clausen, Henrik, Wandall, Hans H. & Bennett, Eric Paul, 2015, I: *Glycobiology*. 25, 2, s. 211-224 14 s.

Fast and sensitive detection of indels induced by precise gene targeting

Yang, Zhang, Steentoft, C., Hauge, C., Hansen, Lars, Thomsen, A. L., Niola, Francesco, Vester-Christensen, M. B., Frödin, Morten, Clausen, Henrik, Wandall, Hans H. & Bennett, Eric Paul, 2015, I: *Nucleic Acids Research*. 43, 9, s. 1-8 8 s., e59.

The myosin chaperone UNC45B is involved in lens development and autosomal dominant juvenile cataract

Hansen, Lars, Comyn, S., Mang, Y., Lind-Thomsen, A., Myhre, L., Jean, F., Eiberg, Hans Rudolf Lytchoff, Tommerup, Niels, Rosenberg, T. & Pilgrim, D., nov. 2014, I: *European Journal of Human Genetics*. 22, 11, s. 1290-1297 8 s.

Immature truncated O-glycophenotype of cancer directly induces oncogenic features

Radhakrishnan, P., Dabelsteen, S., Madsen, F. B., Francavilla, C., Kopp, K. L., Steentoft, C., Vakhrushev, S. Y., Olsen, J. V., Hansen, L., Bennett, E. P., Woetmann, A., Yin, G., Chen, L., Song, H., Bak, M., Hlady, R. A., Peters, S. L., Opavsky, R., Thode, C., Qvortrup, K. & 4 flere, Schjoldager, Katrine Ter-Borch Gram, Clausen, Henrik, Hollingsworth, M. A. & Wandall, Hans H., 12 aug. 2014, I: *Proceedings of the National Academy of Sciences of the United States of America*. 111, 39, s. e4066-e4077 10 s.

UDP-gal: BetaGlcNAc Beta 1,3-galactosyltransferase, polypeptide 1,2 (B3GALT1,2)

Vester-Christensen, M. B., Hansen, Lars & Clausen, Henrik, 2014, *Handbook of Glycosyltransferases and Related Genes, Second Edition*. Springer, Bind 1. s. 73-80 8 s.

UDP-gal: BetaGal beta 1,3-galactosyltransferase polypeptide 6 (B3GALT6)

Vester-Christensen, M. B., Hansen, Lars & Clausen, Henrik, 2014, *Handbook of Glycosyltransferases and Related Genes*. Springer, s. 101-108 8 s.

Genetic heterogeneity in Pakistani microcephaly families

Sajid Hussain, M., Bakhtiar, S. M., Farooq, M., Anjum, I., Janzen, E., Reza Toliat, M., Eiberg, Hans Rudolf Lytchoff, Kjaer, K. W., Tommerup, Niels, Noegel, A. A., Nürnberg, P., Baig, S. M. & Hansen, Lars, maj 2013, I: *Clinical Genetics*. 83, 5, s. 446-51 6 s.

Hypomorphic mutations in PGAP2, encoding a GPI-anchor-remodeling protein, cause autosomal-recessive intellectual disability

Hansen, Lars, Tawamie, H., Murakami, Y., Mang, Y., ur Rehman, S., Buchert, R., Schaffer, S., Muhammad, S., Bak, M., Nöthen, M. M., Bennett, Eric Paul, Maeda, Y., Aigner, M., Reis, A., Kinoshita, T., Tommerup, Niels, Baig, S. M. & Abou Jamra, R., 4 apr. 2013, I: *American Journal of Human Genetics*. 92, 4, s. 575-83 9 s.

Mutations in c10orf11, a melanocyte-differentiation gene, cause autosomal-recessive albinism

Grønskov, K., Dooley, C. M., Østergaard, Elsebet, Kelsh, R. N., Hansen, Lars, Levesque, M. P., Vilhelmsen, K., Møllgård, Kjeld, Stemple, D. L. & Rosenberg, T., 7 mar. 2013, I: American Journal of Human Genetics. 92, 3, s. 415-21 7 s.

Novel mutation in ATP13A2 widens the spectrum of Kufor-Rakeb syndrome (PARK9)

Eiberg, Hans Rudolf Lytchoff, Hansen, Lars, Korbo, L., Nielsen, I., Svenstrup, K., Bech, S., Pinborg, L., Friberg, L., Hjermind, L., Olsen, O. & Nielsen, Jørgen Erik, nov. 2012, I: Clinical Genetics. 82, 3, s. 256-63 8 s.

Author response: Nonspecific PCR amplification of CRYBB2-pseudogene leads to misconception of natural variation as mutation

Hansen, Lars & Rosenberg, T., 1 sep. 2012, I: Investigative Ophthalmology and Visual Science. 53, 10, 1 s., 6666.

Genetic studies in congenital anterior midline cervical cleft

Jakobsen, Linda Plovmand, Pfeiffer, P., Andersen, M., Eiberg, Hans Rudolf Lytchoff, Hansen, Lars, Mang, Y., Bak, M., Møller, R. S., Klitten, L. L. & Tommerup, Niels, aug. 2012, I: American Journal of Medical Genetics. Part A. 158A, 8, s. 2021-6 6 s.

500K SNP array analyses in blood and saliva showed no differences in a pair of monozygotic twins discordant for cleft lip

Jakobsen, Linda Plovmand, Bugge, Merete, Ullmann, R., Schjerling, C. K., Borup, R., Hansen, Lars, Eiberg, Hans Rudolf Lytchoff & Tommerup, Niels, 1 mar. 2011, I: American Journal of Medical Genetics. Part A. 155, 3, s. 652-5 4 s.

Autozygosity mapping of a large consanguineous Pakistani family reveals a novel non-syndromic autosomal recessive mental retardation locus on 11p15-tel

Rehman, S. U., Baig, S. M., Eiberg, Hans Rudolf Lytchoff, Rehman, S. U., Ahmad, I., Malik, N. A., Tommerup, Niels & Hansen, Lars, 2011, I: Neurogenetics. 12, 3, s. 247-51 5 s.

Identification of p.A684V missense mutation in the WFS1 gene as a frequent cause of autosomal dominant optic atrophy and hearing impairment

Rendtorff, N. D., Lodahl, M., Boulahbel, H., Johansen, I. R., Pandya, A., Welch, K. O., Norris, V. W., Arnos, K. S., Bitner-Glindzicz, M., Emery, S. B., Mets, M. B., Fagerheim, T., Eriksson, K., Hansen, Lars, Bruhn, H., Möller, C., Lindholm, S., Ensgaard, S., Lesperance, M. M. & Tranebjærg, Lisbeth, 2011, I: American Journal of Medical Genetics. Part A. 155, 6, s. 1298-313 16 s.

RUNX2 analysis of Danish cleidocranial dysplasia families

Hansen, Lars, Riis, A. K., Silaharoglu, Asli, Hove, H., Lauridsen, E., Eiberg, Hans Rudolf Lytchoff & Kreiborg, Sven, 2011, I: Clinical Genetics. 79, 3, s. 254-63 10 s.

Preaxial polydactyly/triphalangeal thumb is associated with changed transcription factor-binding affinity in a family with a novel point mutation in the long-range cis-regulatory element ZRS

Farooq, M., Troelsen, J. T., Boyd, M., Eiberg, Hans Rudolf Lytchoff, Hansen, Lars, Hussain, M. S., Rehman, S. U., Azhar, A., Ali, A., Bakhtiar, S. M., Tommerup, Niels, Baig, S. M. & Kjaer, K. W., jun. 2010, I: European Journal of Human Genetics. 18, 6, s. 733-6 3 s.

A mutation in the FOXE3 gene causes congenital primary aphakia in an autosomal recessive consanguineous Pakistani family

Anjum, I., Eiberg, Hans Rudolf Lytchoff, Baig, S. M., Tommerup, Niels & Hansen, Lars, mar. 2010, I: Molecular Vision. 16, s. 549-55 6 s.

Compound heterozygous ASPM mutations in Pakistani MCPH families

Muhammad, F., Mahmood Baig, S., Hansen, Lars, Sajid Hussain, M., Anjum Inayat, I., Aslam, M., Anver Qureshi, J., Toilat, M., Kirst, E., Wajid, M., Nürnberg, P., Eiberg, Hans Rudolf Lytchoff, Tommerup, Niels & Kjaer, K. W., 2009, I: American Journal of Medical Genetics. Part A. 149A, 5, s. 926-30 4 s.

Comprehensive mutational screening in a cohort of Danish families with hereditary congenital cataract

Hansen, Lars, Mikkelsen, Annemette Friis, Nürnberg, P., Nürnberg, G., Anjum, I., Eiberg, Hans Rudolf Lytchoff & Rosenberg, T., 2009, I: Investigative Ophthalmology & Visual Science. 50, 7, s. 3291-303 12 s.

A novel mutation in IRF6 resulting in VWS-PPS spectrum disorder with renal aplasia

Medeiros, F. D., Hansen, Lars, Mawlad, E., Eiberg, Hans Rudolf Lytchoff, Askund, C., Tommerup, Niels & Jakobsen, L. P., 2008, I: American Journal of Medical Genetics. Part A. 146A, 12, s. 1605-1608 3 s.

Blue eye color in humans may be caused by a perfectly associated founder mutation in a regulatory element located within the HERC2 gene inhibiting OCA2 expression.

Eiberg, Hans Rudolf Lytchoff, Troelsen, J., Boyd, M., Mikkelsen, Annemette Friis, Mengel-From, J., Kjaer, K. W. & Hansen, Lars, 2008, I: Human Genetics. 123, 2, s. 177-87 10 s.

Cone dystrophy with supernormal rod response is strictly associated with mutations in KCNV2

Wissinger, B., Dangel, S., Jagle, H., Hansen, Lars, Baumann, B., Rudolph, G., Wolf, C., Bonin, M., Koeppen, K., Ladewig, T., Kohl, S., Zrenner, E. & Rosenberg, T., 2008, I: Investigative Ophthalmology & Visual Science. 49, 2, s. 751-757 6 s.

Genetic heterogeneity in microcornea-cataract: Five novel mutations in CRYAA, CRYGD, and GJA

Hansen, Lars, Yao, W. L., Eiberg, Hans Rudolf Lytchoff, Kjær, K. W., Baggesen, K., Hejtmancik, J. F. & Rosenberg, T., 2007, I: Investigative Ophthalmology & Visual Science. 48, 9, s. 3937-3944 7 s.

A mutation in the receptor binding site of GDF5 causes Mohr-Wriedt brachydactyly type A2

Kjær, K. W., Eiberg, Hans Rudolf Lytchoff, Hansen, Lars, Hagen, C. B. V. D., Rosendahl, K., Tommerup, Niels & Mundlos, S., 2006, I: Journal of Medical Genetics. 43, 3, s. 225-231 6 s.

Autosomal dominant optic atrophy associated with hearing impairment and impaired glucose regulation caused by a missense mutation in the WFS1 gene

Eiberg, Hans Rudolf Lytchoff, Hansen, Lars, Kjer, B., Hansen, T., Pedersen, O., Bille, M., Rosenberg, T. & Tranebjærg, L., 2006, I: Journal of Medical Genetics. 43, 5, s. 435-440 5 s.

The congenital "ant-egg" cataract phenotype is caused by a missense mutation in connexin46

Hansen, Lars, Yao, W., Eiberg, Hans Rudolf Lytchoff, Funding, M., Riise, R., Kjær, K. W., Hejtmancik, J. F. & Rosenberg, T., 2006, I: Molecular Vision. 12, 116, s. 1033-1039 7 s.

Mapping of Hereditary Trichilemmal Cyst (TRICY1) to Chromosome 3p24-p21.2 and Exclusion of β -CATENIN and MLH1

Eiberg, Hans Rudolf Lytchoff, Hansen, Lars, Hansen, C., Mohr, J., Teglbjærg, P. S. & Kjaer, K. W., 15 feb. 2005, I: American Journal of Medical Genetics. 133 A, 1, s. 44-47 4 s.

A 72-year-old Danish puzzle resolved—comparative analysis of phenotypes in families with different-sized HOXD13 polyalanine expansions

Kjær, K. W., Hansen, Lars, Eiberg, Hans Rudolf Lytchoff, Utkus, A., Skovgaard, Lene Theil, Leicht, P., Opitz, J. M. & Tommerup, Niels, 2005, I: American Journal of Medical Genetics. Part A. 138, 4, s. 328-39 12 s.

Male-to-male transmission in Laurin-Sandrow syndrome and exclusion of RARB and RARG

Kjaer, K. W., Hansen, Lars, Eiberg, Hans Rudolf Lytchoff, Christensen, K. S., Opitz, J. M. & Tommerup, Niels, 2005, I: American Journal of Medical Genetics. Part A. 137, 2, s. 148-52 4 s.

Mutation analysis of the WFS1 gene in seven Danish Wolfram syndrome families; four new mutations identified

Hansen, Lars, Eiberg, Hans Rudolf Lytchoff, Barrett, T., Bek, T., Kjærsgaard, P., Tranebjærg, Lisbeth & Rosenberg, T., 2005, I: European Journal of Human Genetics. 13, 12, s. 1275-1284

The barley genes *acl1* and *Acl3* encoding acyl carrier proteins I and III are located on different chromosomes

Hansen, Lars & von Wettstein-Knowles, P., okt. 1991, I: MGG Molecular & General Genetics. 229, 3, s. 467-478 12 s.

Three cDNA clones for barley leaf acyl carrier proteins I and III

Hansen, Lars, nov. 1987, I: Carlsberg Research Communications. 52, 6, s. 381-392 12 s.