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## Degrees

Master degree (Cand. scient.) in biology (Molecular Biology) from The Department for Microbiology, Faculty of Science, University of Copenhagen PhD, Department for Medical Biochemistry and Genetics (IMBG), The Faculty of Health Science, University of Copenhagen. Doctor in Medical Sciences (dr.med.), Department for Cellular Molecular Medicine (ICMM), The Faculty of Health Science, University of Copenhagen.

## Positions

Research assistant. University of Copenhagen. 1991-1992 PhD-student (Kandidatstipendiat). University of Copenhagen. 1992-1995 Assistant professor at the Department for Medical Biochemistry and Genetics. University of Copenhagen. 1995-1999 Weimann-sponsored research associated professor at the Department for Medical Biochemistry and Genetics 1999-2000 Associate professor at the Department for Medical Biochemistry and Genetics. University of Copenhagen. 2000-2006 Associate professor, Department of Cellular & Molecular Medicine, University of Copenhagen. 2007-2011 Professor mso in medicinalbiology, Department for Science, Models and Systems (NSM), Roskilde University. 2011-

## Publications

### An Explorative Study on Calcium Electroporation for Low-risk Basal Cell Carcinoma

Wiegell, S. R., Hendel, K., Fuchs, C. S. K., Gehl, J., Vissing, M., Bro, S. W., Troelsen, J. T., Jemec, G. B. E. & Haandersdal, M., 7 May 2024, In: *Acta Dermato-Venereologica*. 104, 7 p., adv19678.

### The gut feeling during the COVID-19 pandemic

Mirsepasi-Lauridsen, H. C., Sørensen, C. A., Troelsen, J. T. & Krogfelt, K. A., 2024, *Sustainable Health and the COVID-19 Crisis: Interdisciplinary Perspectives*. Routledge, p. 203-221 19 p.

### A family with ulcerative colitis maps to 7p21.1 and comprises a region with regulatory activity for the aryl hydrocarbon receptor gene

Eiberg, H., Olsson, J. B., Bak, M., Bang-Berthelsen, C. H., Troelsen, J. T. & Hansen, L., 2023, In: *European Journal of Human Genetics*. 31, 12, p. 1440–1446 7 p.

### Colorectal cancer-associated SNP rs17042479 is involved in the regulation of NAF1 promoter activity

Olsson, J. B., Gugerel, M. B., Jessen, S. B., Jørgensen, J., Gögenur, I., Hansen, C., Kirkeby, L. T., Olsen, J., Pedersen, O. B. V., Vestlev, P. M., Dahlgaard, K. & Troelsen, J. T., Sept 2022, In: *PLOS ONE*. 17, 9, p. e0274033 e0274033.

### Establishment of a luciferase-based method for measuring cancer cell adhesion and proliferation

Jessen, S. B., Özkul, D. C., Özgen, Y., Gögenur, I. & Troelsen, J. T., 1 Aug 2022, In: *Analytical Biochemistry*. 650, 114723.

### Use of Patient-Derived Organoids as a Treatment Selection Model for Colorectal Cancer: A Narrative Review

Furbo, S., Urbano, P. C. M., Raskov, H. H., Troelsen, J. T., Fiehn, A. M. K. & Gögenur, I., 1 Feb 2022, In: *Cancers*. 14, 4, 1069.

**Colonic Stent as Bridge to Surgery for Malignant Obstruction Induces Gene Expressional Changes Associated with a More Aggressive Tumor Phenotype**

Andersen, M. B., Degett, T. H., Furbo, S., Fiehn, A. M. K., Bulut, M., Litman, T., Eriksen, J. O., Troelsen, J. T., Gjerdum, L. M. R. & Gögenur, I., Dec 2021, In: Annals of Surgical Oncology. 28, 13, p. 8519-8531 13 p.

**CDX2 regulates interleukin-33 gene expression in intestinal epithelial cells (LS174T)**

Larsen, S., Seidelin, J. B., Davidsen, J., Dahlgaard, K., Nielsen, C. H., Bennett, E. P., Pedersen, O. B., Coskun, M. & Troelsen, J. T., Jun 2021, In: FEBS Open Bio. 11, 6, p. 1638-1644 7 p.

**A novel approach for microRNA *in situ* hybridization using locked nucleic acid probes**

Paulsen, I. W., Bzorek, M., Olsen, J., Grum-Schwensen, B., Troelsen, J. T. & Pedersen, O. B., 24 Feb 2021, In: Scientific Reports. 11, 1, 4504.

**CDX2 expression and perioperative patient serum affects the adhesion properties of cultured colon cancer cells**

Davidsen, J., Jessen, S. B., Watt, S. K., Larsen, S., Dahlgaard, K., Kierkegaard, T., Gögenür, I. & Troelsen, J. T., 14 May 2020, In: B M C Cancer. 20, 1, 10 p., 426.

**A transcriptomic overview of lung and liver changes one day after pulmonary exposure to graphene and graphene oxide**

Poulsen, S. S., Bengtson, S., Williams, A., Jacobsen, N. R., Troelsen, J. T., Halappanavar, S. & Vogel, U., 2020, In: Toxicology and Applied Pharmacology. 410, 410, 115343.

**Driver Gene Mutations and Epigenetics in Colorectal Cancer**

Raskov, H., Søby, J. H., Troelsen, J. T., Bojesen, R. D. & Gögenur, I., 2020, In: Annals of Surgery. 271, 1, p. 75-85 11 p.

**The value of circulating microRNAs for early diagnosis of B-cell lymphoma: A case-control study on historical samples**

Jørgensen, S., Paulsen, I. W., Hansen, J. W., Tholstrup, D., Hother, C., Sørensen, E., Petersen, M. S., Nielsen, K. R., Rostgaard, K., Larsen, M. A. H., Brown, P. D. N., Ralfkiaer, E., Mikkelsen Homburg, K., Hjalgrim, H., Erikstrup, C., Ullum, H., Troelsen, J. T., Grønbæk, K. & Pedersen, O. B., 2020, In: Scientific Reports. 10, 1, 9637.

**HNF4α and CDX2 Regulate Intestinal YAP1 Promoter Activity**

Larsen, S., Davidsen, J., Dahlgaard, K., Pedersen, O. B. & Troelsen, J. T., 18 Jun 2019, In: International Journal of Molecular Sciences (Online). 20, 12, 17 p., E2981.

**MicroRNA expression profile in chronic myeloproliferative neoplasms: The impact of 3 months immune therapy using pegylated interferon-alpha2**

Larsen, M. K., Larsen, S., Hasselbalch, H., Skov, V., Kjær, L., Thomassen, M., Kruse, T. A., Troelsen, J. T. & Dalgaard, L. T., 2019, In: HemaSphere. 3, S1, p. 284-284

**Intestinal regulation of suppression of tumorigenicity 14 (ST14) and serine peptidase inhibitor, Kunitz type -1 (SPINT1) by transcription factor CDX2.**

Danielsen, E. T., Olsen, A. K., Coskun, M., Nonboe, A. W., Larsen, S., Dahlgaard, K., Bennett, E. P., Mitchelmore, C., Vogel, L. K. & Troelsen, J., 7 Aug 2018, In: Scientific Reports. 8, 1, 11813.

**The VTI1A-TCF4 colon cancer fusion protein is a dominant negative regulator of Wnt signaling and is transcriptionally regulated by intestinal homeodomain factor CDX2**

Davidsen, J., Larsen, S., Coskun, M., Gögenür, I., Dahlgaard, K., Bennett, E. P. & Troelsen, J., 5 Jul 2018, In: P L o S One. 13, 7, 13 p., e0200215.

**Characterization of the enhancer and promoter landscape of inflammatory bowel disease from human colon biopsies**

Boyd, M., Thodberg, M., Vitezic, M., Bornholdt, J., Vitting-Seerup, K., Chen, Y., Coshun, M., Li, Y., Sheng Lo, B. Z., Klausen, P., Schweiger, P. J., Pedersen, A. G., Rapin, N., Skovgaard, K., Dahlgaard, K., Andersson, R., Terkelsen, T. B., Lilje, B., Troelsen, J., Petersen, A. M., & 7 othersJensen, K. B., Gögenür, I., Thielsen, P., Seidelin, J. B., Nielsen, O. H., Bjerrum, J. T. & Sandelin, A. G., 25 Apr 2018, In: Nature Communications. 9, 1, 1661.

**Identification and Functional Analysis of Gene Regulatory Sequences Interacting with Colorectal Tumor Suppressors**  
Dahlgaard, K. & Troelsen, J., 27 Mar 2018, *Colorectal Cancer: Methods and Protocols*. Beaulieu, J-F. (ed.). New York: Springer, p. 57-77 21 p. (Methods in Molecular Biology, Vol. 1765).

**Rectal insulin instillation inhibits inflammation and tumor development in chemically-induced colitis**  
Yassin, M., Sadowska, Z., Tritsaris, K., Kissow, H., Hansen, CHF., Forman, JL., Rogler, G., Troelsen, J., Pedersen, AE. & Olsen, J., 2018, In: *Journal of Crohn's and Colitis*. 12, 12, p. 1459–1474 16 p.

**Precise integration of inducible transcriptional elements (PrIITE) enables absolute control of gene expression**  
Pinto, R., Hansen, L., Hintze, J., Almeida, R., Larsen, S., Coskun, M., Davidsen, J., Mitchelmore, C., David, L., Troelsen, J. & Bennett, E. P., 4 May 2017, In: *Nucleic Acids Research*. 45, 13, p. e123 15 p., e123.

**Carriers of a VEGFA enhancer polymorphism selectively binding chop/ddit3 are predisposed to increased circulating levels of thyroid stimulating hormone**  
Ahluwalia, T. S., Troelsen, J., Balslev-Harder, M., Bork-Jensen, J., Thuesen, B. H., Cerqueira, C., Linneberg, A., Grarup, N., Pedersen, O., Hansen, T. & Dalgaard, L. T., 1 Mar 2017, In: *Journal of Medical Genetics*. 54, 3, p. 166-175 12 p.

**Regulation of Laminin  $\gamma 2$  Expression by CDX2 in Colonic Epithelial Cells Is Impaired During Active Inflammation**  
Coskun, M., Soendergaard, C., Jørgensen, S., Dahlgaard, K., Riis, L. B., Nielsen, O. H., Sandelin, A. G. & Troelsen, J., Feb 2017, In: *Journal of Cellular Biochemistry*. 118, 2, p. 298-307 10 p.

**Differences in inflammation and acute phase response but similar genotoxicity in mice following pulmonary exposure to graphene oxide and reduced graphene oxide**  
Bengtson, S., Knudsen, KB., Kyjovska, ZO., Berthing, T., Skaug, V., Levin, M., Koponen, IK., Shivayogimath, A., Booth, TJ., Alonso, B., Pesquera, A., Zurutuza, A., Thomsen, BL., Troelsen, J., Jacobsen, NR. & Vogel, U., 2017, In: *PLoS One*. 12, 6, p. e017835 e0178355.

**Mathematical Modelling as a Proof of Concept for MPNs as a Human Inflammation Model for Cancer Development**  
Andersen, M., Sajid, Z., Pedersen, R. K., Gudmand-Høyer, J., Ellervik, C., Skov, V., Kjær, L., Pallisgaard, N., Kruse, T., Thomassen, M., Troelsen, J. T., Hasselbalch, H. & Ottesen, J. T., 2017, In: *PLoS One*. 12, 8, e0183620.

**Association Between Systemic Inflammation and Intratumoral Cytokines and PTGS2 Messenger RNA Levels, Stage, Differentiation Grade, and Mismatch Repair Status in Patients with Colonic Adenocarcinoma**  
Rosen, A., Degett, T. H., Kirkeby, L. T., Olsen, J., Eiholm, S., Jess, P., Troelsen, J., Olsen, J. & Gögenur, I., 2016, In: *Journal of the American College of Surgeons*. 223, 4, suppl 1, p. S138

**Escape from epigenetic silencing of lactase expression is triggered by a single-nucleotide change**  
Swallow, D. M. & Troelsen, J., 2016, In: *Nature Structural and Molecular Biology*. 23, 6, p. 505-507 3 p.

**HOXB4 Gene Expression Is Regulated by CDX2 in Intestinal Epithelial Cells**  
Jørgensen, S., Coshun, M., Mikkelsen Homburg, K., Pedersen, O. B. V. & Troelsen, J., 2016, In: *PLoS One*. 12 p., 0164555.

**In Vitro Functional Analyses of Infrequent Nucleotide Variants in the Lactase Enhancer Reveal Different Molecular Routes to Increased Lactase Promoter Activity and Lactase Persistence**  
Liebert, A., Jones, B. L., Danielsen, E. T., Olsen, A. K., Swallow, D. W. & Troelsen, J., 2016, In: *Annals of Human Genetics*. 80, 6, p. 307–318 12 p.

**Microrna biomarkers for psoriasis arthritis - early results**  
Paulsen, I. W., Munk, H., Grum-Schwensen, B., Jemec, G. B. E., Svendsen, A. J., Troelsen, J., Junker, P. & Pedersen, O. B., 2016, In: *Journal of the European Academy of Dermatology and Venereology*. 30, Suppl 6, p. 5

**SOX9 Expression Predicts Relapse of Stage II Colon Cancer Patients**  
Espersen, M. L. M., Linnemann, D., Christensen, I. J., Alamili, M., T. Troelsen, J. & Høgdall, E., 2016, In: *Human Pathology*. 52, p. 38–46 9 p.

**The Prognostic Value of Polycomb Group Protein BMI1 in Stage II Colon Cancer Patients**

Espersen, M. L. M., Linnemann, D., Christensen, I. J., Alamili, M., Troelsen, J. & Høgdall, E., 2016, In: A P M I S. Acta Pathologica, Microbiologica et Immunologica Scandinavica. 124, 7, p. 541-546

**Impact of in Vivo Ischemic Time on RNA Quality: Experiences from a Colon Cancer Biobank**

Olsen, J., Kierkeby, L. T., Eiholm, S., Jess, P., Troelsen, J., Gögenur, I. & Olsen, J., Aug 2015, In: Biopreservation and Biobanking. 13, 4, p. 255-262

**CDX2 downregulation is associated with poor differentiation and MMR deficiency in colon cancer.**

Olsen, J., Eiholm, S., Kirkeby, LT., Espersen, M. L. M., Jess, P., Gögenür, I., Olsen, J. & Troelsen, J., 2015, In: Experimental and Molecular Pathology. 100, 1, p. 59-66

**Cellular inhibitor of apoptosis protein 2 (cIAP2) controls human colonic epithelial restitution, migration and Rac1 activation.**

Seidelin, JB., Larsen, S., Linnemann, D., Vainer, B., Coskun, M., Troelsen, J. T. & Hagen Nielsen, O., 2015, In: American Journal of Physiology: Gastrointestinal and Liver Physiology. 308, 2

**Clinical Implications of Intestinal Stem Cell Markers in Colorectal Cancer**

Espersen, M. L. M., Olsen, J., Linnemann, D., Høgdall, E. & Troelsen, J., 2015, In: Clinical Colorectal Cancer. 14, 2, p. 63-71

**High interleukin-6 mRNA expression is a predictor of relapse in colon cancer**

Olsen, J., Kirkeby, L. T., Olsen, J., Eiholm, S., Jess, P., Gögenur, I. & Troelsen, J., 2015, In: Anticancer Research. 35, 4, p. 2235-40

**Identification of TNF-alpha-Responsive Promoters and Enhancers in the Intestinal Epithelial Cell Model Caco-2**

Boyd, M., Coskun, M., Lilje, B., Andersson, R., Hoof, I., Bornholdt, J., Dahlgaard, K., Olsen, J., Vitezic, M., Bjerrum, J. T. B., Sedelin, J. B., Nielsen, O. H., Troelsen, J. T. & Sandelin, A., 2014, In: D N A Research. 21, 6, p. 569-583

**Involvement of CDX2 in the cross talk between TNF- $\alpha$  and Wnt signaling pathway in the colon cancer cell line Caco-2.**

Coshun, M., Olsen Krüger, A., Bzorek, M., Holck, S., Engel, U. H., Nielsen, O. H. & Troelsen, J., 2014, In: Carcinogenesis. 35, 5, p. 1185-92

**The clinical perspectives of CDX2 expression in colorectal cancer: A qualitative systematic review**

Olsen, J., Espersen, M. L. M., Jess, P., Kirkeby, LT. & Troelsen, J. T., 2014, In: Surgical Oncology. 23, 3, p. 167-176

**Transcriptional Control of Steroid Biosynthesis Genes in the Drosophila Prothoracic Gland by Ventral Veins Lacking and Knirps.**

Danielsen, E. T., Møller, M. E., Dorry, E., Kumora-Kawa, T., Fujimoto, Y., Troelsen, T., Herder, R., O'Connor, M. B., Niwa, R. & Rewitz, K., 2014, In: P L o S Genetics. 19, 10, p. e1004343

**miR-20b, miR-98, miR-125b-1\*, and let-7e\* as new potential diagnostic biomarkers in ulcerative colitis**

Coskun, M., Bjerrum, J. T., Seidelin, J., Troelsen, J., Olsen, J. & Nielsen, O. H., 21 Jul 2013, In: World Journal of Gastroenterology. 19, 27, p. 4289-4299 10 p.

**Diversity of Lactase Persistence Alleles in Ethiopia: Signature of a Soft Selective Sweep**

Jones, BL., Raga, TO., Liebert, A., Olsen, A. K., Danielsen, E. T., Bekele, E., Troelsen, J., Bradman, N. & Swallow, D. M., 2013, In: American Journal of Human Genetics. 93, 3, p. 538-544 7 p.

**Regulation of APC and AXIN2 expression by intestinal tumor suppressor CDX2 in colon cancer cells**

Olsen, A. K., Coskun, M., Bzorek, M., Kristensen, M., Danielsen, E. T., Jørgensen, S., Olsen, J., Engel, U., Holck, S. & Troelsen, J., 2013, In: Carcinogenesis. 34, 6, p. 1361-1369

**Current and emerging approaches to define intestinal epithelium-specific transcriptional networks**

Olsen, A. K., Boyd, M., Danielsen, E. T. & Troelsen, J., 2012, In: American Journal of Physiology: Gastrointestinal and Liver Physiology. 302, 3, p. G277-86

**pcaGoPromoter - An R Package for Biological and Regulatory Interpretation of Principal Components in Genome-Wide Gene Expression Data**

Hansen, M., Gerdts, T. A., Sedelin, J. B., Troelsen, J. & Olsen, J., 2012, In: PLoS One. 7, 2, p. e32394

**TNF- $\alpha$ -induced down-regulation of CDX2 suppresses MEP1A expression in colitis**

Coskun, M., Olsen, A. K., Holm, T. L., Kvist, P. H., Nielsen, O. H., Riis, L. B., Olsen, J. & Troelsen, J., 2012, In: BBA - Molecular Basis of Disease. 1822, 6, p. 843-851 9 p.

**The -14010\*C variant associated with lactase persistence is located between an Oct-1 and HNF1 $\alpha$  binding site and increases lactase promoter activity**

Jensen, T. G. K., Liebert, A., Lewinsky, R., Swallow, D. M., Olsen, J. & Troelsen, J., 31 Dec 2011, In: Human Genetics. 130, 4, p. 483-493

**The role of CDX2 in intestinal homeostasis and inflammation**

Coskun, M., Troelsen, J. T. & Nielsen, O. H., Mar 2011, In: Biochimica et Biophysica Acta - Molecular Basis of Disease. 1812, 3, p. 283-289 7 p.

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**Genome-wide analysis of CDX2 binding in intestinal epithelial cells (Caco-2)**

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**Control of intestinal promoter activity of the cellular migratory regulator gene ELMO3 by CDX2 and SP1**

Coskun, M., Boyd, M., Olsen, J. & Troelsen, J. T., 15 Apr 2010, In: Journal of Cellular Biochemistry. 109, 6, p. 1118-1128 11 p.

**Mitogen activated protein kinases: A role in inflammatory bowel disease?**

Broom, O. J., Widjaya, B., Troelsen, J., Olsen, J. & Nielsen, O. H., Dec 2009, In: Clinical and Experimental Immunology. 158, 3, p. 272-280 9 p.

**Mapping of HNF4 $\alpha$  target genes in intestinal epithelial cells**

Boyd, M., Bressendorff, S., Møller, J., Olsen, J. & Troelsen, J. T., 17 Sept 2009, In: BMC Gastroenterology. 9, p. 68

**Diagnosis of ulcerative colitis before onset of inflammation by multivariate modeling of genome-wide gene expression data**

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**Laktoseintolerans: Gentest forenkle og forbedrer diagnostikken**

Vestergaard, E. M., Troelsen, J. & Lange, A., 13 Oct 2008, In: Ugeskrift for Laeger. 170, 42, p. 3312-3314 3 p.

**Cellular cross talk in the small intestinal mucosa: Postnatal lymphocytic immigration elicits a specific epithelial transcriptional response**

Schjoldager, K. T. B. G., Maltesen, H. R., Balmer, S., Lund, L. R., Claesson, M. H., Sjöström, H., Troelsen, J. T. & Olsen, J., Jun 2008, In: American Journal of Physiology - Gastrointestinal and Liver Physiology. 294, 6, p. G1335-G1343

**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, H., Troelsen, J., Nielsen, M., Mikkelsen, A., Mengel-From, J., Kjaer, K. W. & Hansen, L., Mar 2008, In: Human Genetics. 123, 2, p. 177-187 11 p.

Independent Introduction of Two Lactase-Persistence Alleles into Human Populations Reflects Different History of Adaptation to Milk Culture

Enattah, N. S., Jensen, T. G. K., Nielsen, M., Lewinski, R., Kuokkanen, M., Rasinpera, H., El-Shanti, H., Seo, J. K., Alifrangis, M., Khalil, I. F., Natah, A., Ali, A., Natah, S., Comas, D., Mehdi, S. Q., Groop, L., Vestergaard, E. M., Imtiaz, F., Rashed, M. S., Meyer, B., & 2 others Troelsen, J. & Peltonen, L., 10 Jan 2008, In: American Journal of Human Genetics. 82, 1, p. 57-72 16 p.

Metabolome, transcriptome, and bioinformatic cis-element analyses point to HNF-4 as a central regulator of gene expression during enterocyte differentiation

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Differentiation-dependent activation of the human intestinal alkaline phosphatase promoter by HNF-4 in intestinal cells Olsen, L., Bressendorff, S., Troelsen, J. T. & Olsen, J., Aug 2005, In: American Journal of Physiology - Gastrointestinal and Liver Physiology. 289, 2, p. G220-G226

Adult-type hypolactasia and regulation of lactase expression

Troelsen, J. T., 25 May 2005, In: Biochimica et Biophysica Acta - General Subjects. 1723, 1-3, p. 19-32 14 p.

CVD: The intestinal crypt/villus in situ hybridization database

Olsen, L., Hansen, M., Ekstrøm, C. T., Troelsen, J. T. & Olsen, J., 22 May 2004, In: Bioinformatics. 20, 8, p. 1327-1328 2 p.

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An enhancer activates the pig lactase phlorizin hydrolase promoter in intestinal cells

Troelsen, J. T., Mitchelmore, C. & Olsen, J., 13 Feb 2003, In: Gene. 305, 1, p. 101-111 11 p.

Identification of Keratinocyte Proteins That Mark Subsets of Cells in the Epidermal Stratum Basale: Comparisons with the Intestinal Epithelium

Dabelsteen, S., Troelsen, J. T. & Olsen, J., 2003, In: Oncology Research. 13, 6-10, p. 393-398 6 p.

Low expression of insulin in the thymus of non-obese diabetic mice

Brimnes, M. K., Jensen, T., Jørgensen, T. N., Michelsen, B. K., Troelsen, J. & Werdelin, O., Dec 2002, In: Journal of Autoimmunity. 19, 4, p. 203-213 11 p.

Transcriptome changes during intestinal cell differentiation

Tadjali, M., Seidelin, J. B., Olsen, J. & Troelsen, J. T., 3 Apr 2002, In: Biochimica et Biophysica Acta - Molecular Cell Research. 1589, 2, p. 160-167 8 p.

Involvement of activator protein 1 complexes in the epithelium-specific activation of the laminin γ2-chain gene promoter by hepatocyte growth factor (scatter factor)

Olsen, J., Lefebvre, O., Fritsch, C., Troelsen, J. T., Orian-Rousseau, V., Kedinger, M. & Simon-Assmann, P., 15 Apr 2000, In: Biochemical Journal. 347, 2, p. 407-417 11 p.

Interaction between the homeodomain proteins Cdx2 and HNF1 $\alpha$  mediates expression of the lactase-phlorizin hydrolase gene

Mitchelmore, C., Troelsen, J. T., Spodsberg, N., Sjöström, H. & Norén, O., 1 Mar 2000, In: *Biochemical Journal*. 346, 2, p. 529-535 7 p.

Transcriptional regulation of pig lactase-phlorizin hydrolase: Involvement of HNF-1 and FREACs

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The HOXC11 homeodomain protein interacts with the lactase-phlorizin hydrolase promoter and stimulates HNF1 $\alpha$ -dependent transcription

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Thomsen, P. D., Johansson, M., Troelsen, J. T. & Andersson, L., Feb 1995, In: *Animal Genetics*. 26, 1, p. 49-52 4 p.

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HNF1 $\alpha$  activates the aminopeptidase N promoter in intestinal (Caco-2) cells

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## Press clippings

CBS news on the discovery of the mutation given blue eyes.  
<http://www.cbsnews.com/stories/2008/02/07/eveningnews/main3805316.shtml>

## Bananfluers tis gör forskere klogere på menneskets tarme

Jesper Thorvald Troelsen

23/04/2016

1 item of Media coverage

## Danskere er designet til at tåle mælk

Jesper Thorvald Troelsen

26/09/2014

1 item of Media coverage

**Europæere gav indre mælkegen**

Jesper Thorvald Troelsen

18/09/2011

1 item of Media coverage

**Insulin har effekt på tarmbetændelse**

Jesper Troelsen

06/11/2018

1 item of Media coverage

**Lækkert laboratorium skal lokke flere unge til RUC**

Jesper Thorvald Troelsen

21/06/2014

1 item of Media coverage

**Nye studier: Mælkeforbrug og laktose tolerans hænger - måske - ikke sammen**

Jesper Thorvald Troelsen

02/08/2022

1 item of Media coverage

**Nyt forskningscenter skal undersøge virtual reality's pædagogiske evner**

Per Meyer Jepsen & Jesper Thorvald Troelsen

22/11/2018

1 item of Media coverage

**Oldtidsmennesker drak mælk, flere tusinde år før de kunne forstå det**

Jesper Thorvald Troelsen

29/07/2022

1 item of Media coverage

**Skeletfund indikerer: Europæere kunne ikke tåle mælk i bronzealderen**

Jesper Thorvald Troelsen

10/09/2020 → 12/09/2020

2 items of Media coverage

**Tarmsystemet er blevet trendy**

Jesper Troelsen

17/03/2018

1 item of Media coverage

**Vigtigt skridt mod fremtidens genmedicin**

Jesper Troelsen

05/05/2017

1 item of Media coverage

**Vigtigt skridt mod fremtidens genmedicin**

Jesper Troelsen

13/07/2017

1 item of Media coverage