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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

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., Gjerdrum, L. M. R. & Gögenur, I., Dec 2021, In: *Annals of Surgical Oncology*. 28, 13, p. 8519-8531 13 p.

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Larsen, S., Davidson, 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.

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Dahlgaard, K. & Troelsen, J., 27 Mar 2018, *Colorectal Cancer: Methods and Protocols*. Beaulieu, J-F. (ed.). New York: Springer, p. 57-77 (Methods in Molecular Biology, Vol. 1765).

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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: *P L o S One*. 12, 6, p. e017835

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: *P L o S One*. 12, 8, e0183620.

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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

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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

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

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

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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.

Identification of a functional hepatocyte nuclear factor 4 binding site in the neutral ceramidase promoter

Maltesen, H. R., Troelsen, J. T. & Olsen, J., 1 Dec 2010, In: *Journal of Cellular Biochemistry*. 111, 5, p. 1330-1336 7 p.

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

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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.

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Previous publications

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2. Maltesen HR, Troelsen JT, Olsen J: Identification of a functional hepatocyte nuclear factor 4 binding site in the neutral ceramidase promoter. *J Cell Biochem* 2010, 111(5):1330-1336.
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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 gør 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 indere 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

Nyt forskningscenter skal undersøge virtual reality's pædagogiske evner

Per Meyer Jepsen & Jesper Thorvald Troelsen

22/11/2018

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