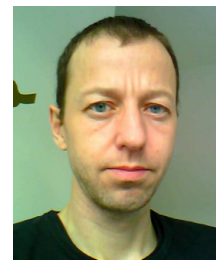


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## Possible conflicts of interest

I declare no conflict of interests

## Research outputs

### **Clinical *Staphylococcus aureus* inhibits human T-cell activity through interaction with the PD-1 receptor**

Møllergaard, M., Skovbakke, S. L., Jepsen, S. D., Panagiotopoulou, N., Hansen, A. B. R., Tian, W., Lund, A., Høgh, R. I., Møller, S. H., Guérillot, R., Hayes, A. S., Erikstrup, L. T., Andresen, L., Peleg, A. Y., Larsen, A. R., Stinear, T. P., Handberg, A., Erikstrup, C., Howden, B. P., Goletz, S. & 2 others, Frees, Dorte & Skov, Søren, 2023, In: *mBio*. 14, 5, 21 p., e01349-23.

### **RT-qPCR assay for detection of mink astrovirus in outbreaks of diarrhea on Danish mink farms**

Barsøe, S., Ullman, K., Leijon, M., Hedlund, K. O., Klingström, J., Krarup, L. I., Andresen, Lars, Quaade, Michelle Lauge & Hammer, Anne Sofie Vedsted, 2021, In: *PLoS ONE*. 16, 5, e0252022.

### ***Staphylococcus aureus* induces cell-surface expression of immune stimulatory NKG2D ligands on human monocytes**

Møllergaard, M., Høgh, R. I., Feilberg, Astrid Lund, Aldana, Blanca, Guérillot, R., Møller, S. H., Hayes, A. S., Panagiotopoulou, N., Frimand, Z., Jepsen, Stine Dam, Hansen, Camilla Hartmann Friis, Andresen, Lars, Larsen, A. R., Peleg, A. Y., Stinear, T. P., Howden, B. P., Waagepetersen, Helle S., Frees, Dorte & Skov, Søren, 2020, In: *The Journal of Biological Chemistry*. 295, p. 11803-11821

### **Cytoplasmic Citrate Flux Modulates the Immune Stimulatory NKG2D Ligand MICA in Cancer Cells**

Møller, S. H., Møllergaard, M., Madsen, M., Bermejo, A. V., Jepsen, Stine Dam, Hansen, M. H., Høgh, R. I., Aldana, Blanca, Desler, Claus, Rasmussen, Lene Juel, Sustarsic, E. G., Gerhart-Hines, Zach, Daskalaki, E., Wheelock, C. E., Hiron, T. K., Lin, D., O'Callaghan, C. A., Wandall, Hans H., Andresen, Lars & Skov, Søren, 2020, In: *Frontiers in Immunology*. 11, 22 p., 1968.

### **Fumarate Upregulates Surface Expression of ULBP2/ULBP5 by Scavenging Glutathione Antioxidant Capacity**

Høgh, R. I., Droujinine, A., Møller, S. H., Jepsen, Stine Dam, Møllergaard, M., Andresen, Lars & Skov, Søren, 2020, In: *The Journal of Immunology*. 204, 7, p. 1746-1759 14 p.

### **Metabolism of short-chain fatty acid propionate induces surface expression of NKG2D ligands on cancer cells**

Høgh, R. I., Møller, S. H., Jepsen, Stine Dam, Møllergaard, M., Feilberg, Astrid Lund, Pejtersen, M., Fitzner, E., Andresen, Lars & Skov, Søren, 2020, In: *FASEB Journal*. 34, 11, p. 15531-15546

**The microbiota of farmed mink (*Neovison vison*) follows a successional development and is affected by early life antibiotic exposure**

Bahl, M. I., Honoré, A. L., Skønager, S. T., Honoré, O. L., Clausen, T., Andresen, Lars & Hammer, Anne Sofie Vedsted, 2020, In: Scientific Reports. 10, 1, 20434.

**Foderbåret infektion belyst**

Holm Jacobsen, B., Bahl, M. I., Andresen, Lars, Aalbæk, Bent, Damborg, Peter Panduro, Weiss, V., Christiansen, M., Selsing, S. & Hammer, Anne Sofie Vedsted, Jan 2018, In: Dansk Pelsdyravl. 2018, 1, p. 23 1 p.

***Ascaris suum* infection down-regulates inflammatory pathways in the pig intestine in vivo and in human dendritic cells in vitro**

Midttun, H. L. E., Acevedo, N., Skallerup, P., Almeida, Sara dos Santos, Skovgaard, K., Andresen, Lars, Skov, Søren, Caraballo, L., van Die, I., Jørgensen, Claus Bøttcher, Fredholm, Merete, Thamsborg, Stig Milan, Nejsum, P. & Williams, Andrew Richard, 2018, In: The Journal of Infectious Diseases. 217, 2, p. 310-319

**Smitten kom fra kyllingeskrog og mixfoder**

Jacobsen, B. H., Bahl, M. I., Andresen, Lars, Aalbæk, Bent, Damborg, Peter Panduro, Weiss, V., Christiansen, M., Selsing, S. & Hammer, A. S., 2018, In: Dansk Veterinærtidsskrift. 2018, 02, p. 18-20

**Abortion and mortality in farm mink (*Neovison vison*) associated with feed-born *Clostridium limosum***

Hammer, Anne Sofie Vedsted, Andresen, Lars, Aalbæk, Bent, Damborg, Peter Panduro, Weiss, V., Christiansen, M. L. & Bahl, M. I., 2017, In: Veterinary Microbiology. 203, p. 229–233 4 p.

**Short-term effect of oral amoxicillin treatment on the gut microbial community composition in farm mink (*Neovison vison*)**

Marker, L. M., Hammer, Anne Sofie Vedsted, Andresen, Lars, Isaack, P., Clausen, T. N., Byskov, K., Honore, O. L., Jensen, S. K. & Bahl, M. I., 2017, In: F E M S Microbiology Ecology. 93, 7, 10 p., fix092.

**The gastrointestinal tract of farmed mink (*Neovison vison*) maintains a diverse mucosa-associated microbiota following a 3-day fasting period.**

Bahl, M. I., Hammer, Anne Sofie Vedsted, Clausen, T. N., Jakobsen, A. L., Skov, Søren & Andresen, Lars, 2017, In: MicrobiologyOpen. 6, 3, 8 p., e00434.

**Dynamic changes in cytosolic ATP levels in cultured glutamatergic neurons during NMDA-induced synaptic activity supported by glucose or lactate**

Lange, S. C., Winkler, U., Andresen, Lars, Byhrø, M., Waagepetersen, Helle S., Hirrlinger, J. & Bak, Lasse Kristoffer, Dec 2015, In: Neurochemical Research. 40, 12, p. 2517-2526 10 p.

**Identification of the bacterial composition of the gut microbiota in Danish farmed minks**

Andresen, Lars, Hammer, A. S., Clausen, T., Lassén, M., Matthiesen, C. F., Tauson, Anne-Helene & Bahl, M. I., Oct 2015, *Proceedings: Seminar, Autumn meeting in fur animal research 2015*. Nordic Associations of Agricultural Scientists, p. 61-66 6 p. (NJF Seminar; No. 485).

**A conserved WW domain-like motif regulates invariant chain-dependent cell-surface transport of the NKG2D ligand ULBP2**

Uhlenbrock, F. K., van Andel, E., Andresen, Lars & Skov, Søren, 18 May 2015, In: Molecular Immunology. 66, p. 418-427 10 p.

**Associations between biosecurity and outbreaks of canine distemper on Danish mink farms in 2012–2013**

Gregers-Jensen, L., Agger, Jens Frederik Gramstrup, Hammer, Anne Sofie Vedsted, Andresen, Lars, Chrièl, M., Hagberg, E., Jensen, M. K., Hansen, M. S., Hjulsager, C. K. & Struve, T., 2015, In: Acta Veterinaria Scandinavica (Print). 57, 7 p., 66.

***N*-glycosylation of asparagine 8 regulates surface expression of major histocompatibility complex class I chain-related protein A (MICA) alleles dependent on threonine 24**

Pedersen, M. M., Skovbakke, S. L., Schneider, C. L., Lauridsen, F. K. B., Andresen, Lars, Jensen, H. & Skov, Søren, 2014, In: Journal of Biological Chemistry. 289, 29, p. 20078-20091 14 p.

**Canine distemper virus in free ranging terrestrial carnivores in Denmark and the association with high numbers of distemper outbreaks on mink farms**

Albrechtsen, L., Jacobsen, A., Andresen, Lars, Nielsen, L., Olesen, C. R., Agger, Jens Frederik Gramstrup, Bildt, S., Van de Bildt, M. W. G., Kuiken, T. & Hammer, Anne Sofie Vedsted, 2014.

**Gross pathological and virological investigations of Danish mink kits with diarrhea**

Hansen, S., Krarup, L., Agger, Jens Frederik Gramstrup, Ullman, K., Hedlund, K., Klingström, J., Andresen, Lars & Hammer, Anne Sofie Vedsted, 2014.

**The NKG2D ligand ULBP2 is specifically regulated through an invariant chain-dependent endosomal pathway**

Uhlenbrock, F. K., Hagemann-Jensen, M. H., Kehlet, S., Andresen, Lars, Pastorekova, S. & Skov, Søren, 2014, In: Journal of immunology (Baltimore, Md. : 1950). 193, 4, p. 1654-1665 12 p.

**The selenium metabolite methylselenol regulates the expression of ligands that trigger immune activation through the lymphocyte receptor NKG2D**

Hagemann-Jensen, M. H., Uhlenbrock, F. K., Kehlet, S., Andresen, Lars, Gabel-Jensen, C., Elgaard, Lars, Gammelgaard, Bente & Skov, Søren, 2014, In: The Journal of Biological Chemistry. 289, p. 31576-31590 15 p.

**An outbreak of canine distemper virus in free-ranging terrestrial carnivores in Denmark associated with unusually high numbers of distemper outbreaks on mink farms**

Albrechtsen, L., Andresen, Lars, Pagh, S., Olesen, C. R., Nielsen, L., Bilk, S. & Hammer, A. S. V., 2013, In: Wildlife Disease Association Newsletter. p. 1 1 p.

**Gut microbiota regulates NKG2D ligand expression on intestinal epithelial cells**

Hansen, Camilla Hartmann Friis, Holm, T. L., Krych, Lukasz, Andresen, Lars, Nielsen, Dennis Sandris, Rune, Ida, Hansen, Axel Kornerup & Skov, Søren, 2013, In: European Journal of Immunology. 43, 2, p. 447-457 11 p.

**Undersøgelser af parvo-, corona- og astrovirus som årsager til diarréudbrud hos minkhvalpe i diegivnings- og vækstperioden 2013: foreløbige resultater**

Hansen, S., Krarup, L. J., Agger, Jens Frederik Gramstrup, Ullman, K., Hedlund, K., Klingström, J., Andresen, Lars & Hammer, Anne Sofie Vedsted, 2013, *Faglig Årsberetning - 2013 - København Fur*. København Fur, p. 131-137 7 p.

**2-deoxy  $\beta$ -glucose prevents cell surface expression of NKG2D ligands through inhibition of N-linked glycosylation**

Andresen, Lars, Skovbakke, S. L., Persson, G., Hagemann-Jensen, M. H., Hansen, K. A., Jensen, H. & Skov, Søren, 2012, In: Journal of Immunology. 188, 4, p. 1847-1855 9 p.

**Micro and nano-platforms for biological cell analysis**

Svendsen, W. E., Castillo-León, J., Lange, J. M., Sasso, L., Olsen, M. H., Abaddi, M., Andresen, Lars, Levinsen, S., Shah, P., Vedarethinam, I. & Dimaki, M., 1 Dec 2011, In: Sensors and Actuators A: Physical. 172, 1, p. 54-60 7 p.

**CAF01 potentiates immune responses and efficacy of an inactivated influenza vaccine in ferrets**

Martel, C. J., Agger, E. M., Poulsen, J. J., Jensen, T. H., Andresen, Lars, Christensen, D., Nielsen, L. P., Blixenkronemøller, M., Andersen, P. & Aasted, B., 2011, In: PLoS One. 6, 8, 10 p.

**FISHprep: A Novel Integrated Device for Metaphase FISH Sample Preparation**

Shah, P. J., Vedarethinam, I., Kwasny, D., Andresen, Lars, Skov, Søren, Silahtaroglu, Asli, Tümer, Z., Dimaki, M. & Svendsen, W. E., 2011, In: Micromachines. 2, 2, p. 116-128 13 p.

**Investigation of the selenium metabolism in cancer cell lines**

Lunøe, K., Gabel-Jensen, C., Stürup, Stefan, Andresen, Lars, Skov, Søren & Gammelgaard, Bente, 2011, In: Metallomics. 3, 2, p. 162-168 7 p.

**Microfluidic bioreactors for culture of non-adherent cells**

Shah, P. J., Vedarethinam, I., Kwasny, D., Andresen, Lars, Dimaki, M., Skov, Søren & Svendsen, W. E., 2011, In: Sensors and Actuators B: Chemical. 156, 2, p. 1002-1008 7 p.

**Silicon nanowire as virus sensor in a total analysis system**

Svendsen, W. E., Jørgensen, M., Andresen, Lars, Andersen, K. B., Larsen, M. B. B., Skov, Søren & Dimaki, M., 2011, In: *Procedia Engineering*. 25, p. 288-291 4 p.

**Vesicular stomatitis virus infection promotes immune evasion by preventing NKG2D-ligand surface expression**

Jensen, H., Andresen, Lars, Nielsen, J., Christensen, Jan Pravsgaard & Skov, Søren, 2011, In: *PLoS ONE*. 6, 8, 8 p., e23023.

**Cell-surface expression of Hsp70 on hematopoietic cancer cells after inhibition of HDAC activity**

Jensen, H., Andresen, Lars, Hansen, K. A. & Skov, Søren, 2009, In: *Journal of Leukocyte Biology*. 86, 4, p. 923-932 10 p.

**Cell-surface expression of Hsp70 on hematopoietic cancer cells after inhibition of HDAC activity**

Jensen, H., Andresen, Lars, Hansen, K. A. & Skov, Søren, 2009.

**Expression and function of toll-like receptor 8 and Tollip in colonic epithelial cells from patients with inflammatory bowel disease**

Steenholdt, Casper, Andresen, Lars, Pedersen, G., Hansen, Alastair & Brynskov, J., 2009, In: *Scandinavian Journal of Gastroenterology*. 44, 2, p. 195-204 10 p.

**Propionic acid secreted from propionibacteria induces NKG2D ligand expression on human-activated T lymphocytes and cancer cells**

Andresen, Lars, Hansen, K. A., Jensen, H., Pedersen, Stine Helene Falsig, Stougaard, P., Hansen, H. R., Jurlander, J. & Skov, Søren, 2009, In: *Journal of Immunology*. 183, 2, p. 897-906 10 p.

**Effects of endotoxaemia on markers of permeability, metabolism and inflammation in the large bowel of healthy subjects**

Jørgensen, Vibeke Renée Lind, Ibsen, M., Andresen, Lars, Schulzke, J. D. & Perner, Anders, 2007, In: *Acta Anaesthesiologica Scandinavica*. 51, 8, p. 1085-92 8 p.

**Molecular regulation of MHC class I chain-related protein A expression after HDAC-inhibitor treatment of Jurkat T cells.**

Andresen, Lars, Jensen, H., Pedersen, M. T., Hansen, K. A. & Skov, Søren, 2007, In: *Journal of Immunology*. 179, 12, p. 8235-42 7 p.

**Upregulation of cIAP2 in regenerating colonocytes in ulcerative colitis**

Seidelin, Jakob Benedict, Vainer, B., Andresen, Lars & Nielsen, Ole Haagen, 2007, In: *Virchows Archiv*. 451, 6, p. 1031-1038 8 p.

**Interleukin-4 and 13 induce the expression and release of monocyte chemoattractant protein 1, interleukin-6 and stem cell factor from human detrusor smooth muscle cells: synergy with interleukin-1beta and tumor necrosis factor-alpha**

Bouchelouche, K., Andresen, Lars, Alvarez, S., Nordling, J., Nielsen, Ole Haagen & Bouchelouche, P., 2006, In: *Journal of Urology*. 175, 2, p. 760-5 6 p.

**Activation of nuclear factor  $\kappa$ B in colonic mucosa from patients with collagenous and ulcerative colitis**

Andresen, Lars, 2005, In: *Gut*. 54, p. 503-509 7 p.

**Cancer cells become susceptible to natural killer cell killing after exposure to histone deacetylase inhibitors due to glycogen synthase kinase-3-dependent expression of MHC class I-related chain A and B**

Skov, Søren, Pedersen, M. T., Andresen, Lars, Straten, P. T., Woetmann, Anders & Ødum, Niels, 2005, In: *Cancer Research*. 65, 23, p. 11136-45 9 p.

**Expression of Toll-like receptor 9 and response to bacterial CpG oligodeoxynucleotides in human intestinal epithelium**

Pedersen, G., Andresen, Lars, Matthiessen, M. W., Rask-Madsen, J. & Brynskov, J., 2005, In: *Clinical and Experimental Immunology*. 141, 2, p. 298-306 9 p.

**Expression of inducible nitric oxide synthase and effects of L-arginine on colonic nitric oxide production and fluid transport in patients with "minimal colitis"**

Perner, Anders, Andresen, Lars, Normark, M., Fischer-Hansen, B. & Rask-Madsen, J., 2005, In: Scandinavian Journal of Gastroenterology. 40, 9, p. 1042-8 7 p.

**REGULATION OF INDUCIBLE NITRIC OXIDE SYNTHASE IN COLLAGENOUS COLITIS**

Andresen, Lars, 5 Oct 2004, Copenhagen University. 47 p.

**Superoxide production and expression of NAD(P)H oxidases by transformed and primary human colonic epithelial cells**

Perner, Anders, Andresen, Lars, Pedersen, G. & Rask-Madsen, J., 2003, In: Gut. 52, 2, p. 231-6 6 p.

**Constitutive expression of inducible nitric oxide synthase in the normal human colonic epithelium**

Perner, Anders, Andresen, Lars, Normark, M. & Rask-Madsen, J., 2002, In: Scandinavian Journal of Gastroenterology. 37, 8, p. 944-8 5 p.

**Expression of isoforms of nitric oxide synthase in collagenous colitis [4] multiple letters**

Cameron, E. A. B., Middleton, S. J., Roberts, J. P., Perner, Anders, Andresen, Lars & Rask-Madsen, J., 2002, In: Gut. 50, 6, p. 899 1 p.

**Expression of nitric oxide synthases and effects of L-arginine and L-NMMA on nitric oxide production and fluid transport in collagenous colitis**

Perner, Anders, Andresen, Lars, Normark, M., Fischer-Hansen, B., Sørensen, S., Eugen-Olsen, J. & Rask-Madsen, J., 2001, In: Gut. 49, 3, p. 387-94 8 p.