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Ansættelse

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Institut for Medicin og Sundhedsteknologi
Det Sundhedsvidenskabelige Fakultet
Aalborg Øst, Danmark
1 feb. 2015 → present

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Aalborg, Danmark
1 jan. 2020 → present

Publikationer

Activation of dendritic cells by targeted DNA: a potential addition to the armamentarium for anti-cancer immunotherapy
Fyrstenberg Laursen, M., Kofod-Olsen, E. & Agger, R., nov. 2019, I: Cancer Immunology, Immunotherapy. 68, 11, s. 1875-1880 6 s.

Analysis of Type 1 IFN Production by DCs after Stimulation with Supernatant of Necroptotic Cells
Zeiler, C., Banasik, A., Laursen, M. F., Agger, R. & Kofod-Olsen, E., 16 maj 2019.

CD11c-targeted dendritic cell vaccine

Fredriksen, L., Laursen, M. F., Birkelund, S., Agger, R. & Kofod-Olsen, E., 16 maj 2019.

Generation of a recombinant CD11c-targeted vaccine containing SIINFEKL antigen

Nielsen, L., Laursen, M. F., Agger, R. & Kofod-Olsen, E., 16 maj 2019.

Investigations on a Novel Dendritic Cell-Targeted Adjuvant for Anti-Cancer Therapy

Laursen, M. F., Agger, R. & Kofod-Olsen, E., 3 okt. 2018.

CD11c-targeted delivery of DNA to dendritic cells leads to cGAS- and STING-dependent maturation

Laursen, M. F., Christensen, E., Degn, L. L. T., Jønsson, K., Jakobsen, M. R., Agger, R. & Kofod-Olsen, E., 2018, I: Journal of Immunotherapy. 41, 1, s. 9-18 10 s.

Targeting cGAS and STING in human dendritic cells

Laursen, M. F., Agger, R. & Kofod-Olsen, E., 2018, I: *European Journal of Immunology*. 48, Suppl. 1, s. 162-163 P-249.

Ectodermal dysplasia with immunodeficiency caused by a branch-point mutation in IKBKG/NEMO

Jørgensen, S. E., Bøttger, P., Kofod-Olsen, E., Holm, M., Mørk, N., Ørntoft, T. F., Sørensen, U. B. S., Bernth-Jensen, J. M., Herlin, T., Veirum, J., Larsen, C. S., Østergaard, L., Hartmann, R., Christiansen, M. & Mogensen, T. H., 29 jun. 2016, I: *Journal of Allergy and Clinical Immunology*.

Altered fraction of regulatory B and T cells is correlated with autoimmune phenomena and splenomegaly in patients with COVID

Kofod-Olsen, E., Jørgensen, S. E., Nissen, S. K., Westh, L., Møller, B. K., Østergaard, L., Larsen, C. S. & Mogensen, T. H., 2016, I: *Clinical Immunology*. 162, 1, s. 49-57 9 s.

Development and experimental analyses of a novel fusion protein vaccine cassette and its interactions with dendritic cells

Christensen, E., Birkelund, S., Kofod-Olsen, E. & Agger, R., 2016, *Danish Society of Immunology, Annual Meeting, 19 April 2016, Copenhagen, Denmark*. Danish Society of Immunology, s. 11 No. 8

Human CD11c as a potential receptor for targeted vaccines

Pedersen, L. L., Prangsgaard, J., Sanden, M., Kofod-Olsen, E. & Agger, R., 2016, *Danish Society of Immunology, Annual Meeting, 19 April 2016, Copenhagen, Denmark*. Danish Society of Immunology, s. 10 No. 7

The delivery of double-stranded DNA to dendritic cells and its effect on dendritic cell maturation

Laursen, M. F., Kofod-Olsen, E. & Agger, R., 2016, *Danish Society of Immunology, Annual Meeting, 19 April 2016, Copenhagen, Denmark*. Danish Society of Immunology, s. 21 No. 18

Mutations in the TLR3 signaling pathway and beyond in adult patients with herpes simplex encephalitis

Mørk, N., Kofod-Olsen, E., Sørensen, K. B., Bach, E., Ørntoft, T. F., Østergaard, L., Paludan, S. R., Christiansen, M. & Mogensen, T. H., 29 okt. 2015, I: *Genes and Immunity*.

A STAT1-gain-of-function mutation causing Th17 deficiency with chronic mucocutaneous candidiasis, psoriasiform hyperkeratosis and dermatophytosis

Nielsen, J., Kofod-Olsen, E., Spaun, E., Larsen, C. S., Christiansen, M. & Mogensen, T. H., okt. 2015, I: *B M J Case Reports*. 2015

Functional IRF3 deficiency in a patient with herpes simplex encephalitis

Andersen, L. L., Mørk, N., Reinert, L. S., Kofod-Olsen, E., Narita, R., Jørgensen, S. E., Skipper, K. A., Höning, K., Gad, H. H., Østergaard, L., Ørntoft, T. F., Hornung, V., Paludan, S. R., Mikkelsen, J. G., Fujita, T., Christiansen, M., Hartmann, R. & Mogensen, T. H., 27 jul. 2015, I: *The Journal of Experimental Medicine*.

Innate DNA sensing is impaired in HIV patients and IFI16 expression correlates with chronic immune activation

Nissen, S. K., Højten, J. F., Andersen, K. L. D., Kofod-Olsen, E., Berg, R. K., Paludan, S. R., Østergaard, L., Jacobsen, M. R., Tolstrup, M. & Mogensen, T. H., jul. 2014, I: *Clinical and Experimental Immunology*. 177, 1, s. 295-309 15 s.

The DR6 protein from human herpesvirus-6B induces p53-independent cell cycle arrest in G2/M

Schleimann, M. H., Hoberg, S., Hansen, A. S., Bundgaard, B., Witt, C. T., Kofod-Olsen, E. & Höllsberg, P., mar. 2014, I: *Virology*. 452-453, s. 254-63 10 s.

Human herpesvirus-6B protein U19 contains a p53 BOX I homology motif for HDM2 binding and p53 stabilization

Kofod-Olsen, E., Petterson, S., Wallace, M., Abduljabar, A. B., Øster, B., Hupp, T. & Höllsberg, P., jan. 2014, I: *Virology*. 488, s. 33-42 10 s.

T cells detect intracellular DNA but fail to induce type I IFN responses: implications for restriction of HIV replication

Berg, R. K., Rahbek, S. H., Holm, C. K., Melchjorsen, J., Jensen, D. G., Kofod-Olsen, E., Hansen, A. L., Jørgensen, L. B., Østergaard, L., Tolstrup, M., Larsen, C. S., Paludan, S. R., Jakobsen, M. R. & Mogensen, T. H., 2014, I: *PLOS ONE*. 9, 1, s. e84513

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Tørring, C., Petersen, C. C., Bjerg, L., Kofod-Olsen, E., Petersen, T. & Höllsberg, P., 15 sep. 2013, I: Journal of Neuroimmunology. 262, 1-2, s. 92-98 s.

Identification of innate immunodeficiencies by whole exome sequencing

Mogensen, T., Christiansen, M., Kofod-Olsen, E., Veirum, J. E., Herlin, T., Ørntoft, T. F., Larsen, C. S. & Østergaard, L., 2013, I: Clinical and Experimental Immunology. 174, Suppl. S1, s. 24 P50.

Inhibition of p53-dependent, but not p53-independent, Cell Death by U19 Protein from Human Herpesvirus 6B

Kofod-Olsen, E., Møller, J. L. M., Schleimann, M. H., Bundgaard, B., Bak, R. O., Øster, B., Mikkelsen, J. G., Hupp, T. & Höllsberg, P., 2013, I: PLoS One. 8, 3

Seminal Shedding of Human Papillomavirus and Human Herpesvirus

Kaspersen, M. D., Larsen, P. B., Ingerslev, H. J., Fedder, J., Bungum, M., Kofod-Olsen, E., Höllsberg, P. & Bonde, J. H., 2013, I: APMS - Journal of Pathology, Microbiology and Immunology. 121, s. 26-27 2 s.

U20 inhibits death receptor and pattern-recognition receptor signaling in vitro, but increases inflammation in vivo

Kofod-Olsen, E., Bak, R. O., Jensen, S. B., Dagnæs-Hansen, F., Holm, C. K., Deleuran, B. W. & Höllsberg, P., 2013.

U20 is responsible for human herpesvirus 6B inhibition of tumor necrosis factor receptor-dependent signaling and apoptosis

Kofod-Olsen, E., Ross-Hansen, K., Schleimann, M. H., Jensen, D. K., Møller, J. M. L., Bundgaard, B., Mikkelsen, J. G. & Höllsberg, P., nov. 2012, I: Journal of Virology. 86, 21, s. 11483-92 10 s.

Targeted genome editing by recombinant adeno-associated virus (rAAV) vectors for generating genetically modified pigs

Luo, Y., Kofod-Olsen, E., Christensen, R., Sørensen, C. B. & Bolund, L., 20 jun. 2012, I: Journal of Genetics and Genomics. 39, 6, s. 269-74 6 s.

Human herpesvirus-6A/B binds to spermatozoa acrosome and is the most prevalent herpesvirus in semen from sperm donors

Kaspersen, M. D., Larsen, P. B., Kofod-Olsen, E., Fedder, J., Bonde, J. & Höllsberg, P., 2012, I: PLOS ONE. 7, 11, s. e48810

U20 Is Responsible for Human Herpesvirus 6B Inhibition of TNF Receptor-Dependent Signaling and Apoptosis

Kofod-Olsen, E., Schleimann, M. H., Jensen, D. K. & Höllsberg, P., 2012.

Human herpes virus 6 and 7 u20 polypeptide and polynucleotides for use as a medicament or diagnosticum

Kofod-Olsen, E. & Höllsberg, P., 2011, Patentnr. WO/2011/095174 A1

Inhibition of apoptosis by human herpesvirus-6B infection: PhD dissertation

Kofod-Olsen, E., 2011, 121 s. Faculty of Health Sciences, University of Aarhus.

Regulation of apoptosis by HHV-6B infection

Kofod-Olsen, E. & Höllsberg, P., 2011.

Expression of MDC/CCL22 and its receptor CCR4 in rheumatoid arthritis, psoriatic arthritis and osteoarthritis

Flyttie, H. A., Hvid, M., Lindgreen, E., Kofod-Olsen, E., Petersen, E. L., Jørgensen, A., Deleuran, M., Vestergaard, C. & Deleuran, B., jan. 2010, I: Cytokine. 49, 1, s. 24-9 6 s.

Human herpesvirus-6B blocks induction of p53-dependent but not -independent apoptosis

Kofod-Olsen, E., Mikkelsen, J. G. & Höllsberg, P., 2010.

Human herpesvirus 6B induces phenotypic maturation without IL-10 and IL-12p70 production in dendritic cells
Berthelsen, L. B., Pedersen, C. C., Kofod-Olsen, E., Oster, B., Höllsberg, P., Agger, R. & Hokland, M., 2010, I: Scandinavian Journal of Immunology. 71, 6, s. 431-439 9 s.

Osteopontin enhances phagocytosis through a novel osteopontin receptor, the alphaXbeta2 integrin
Schack, L., Stapulionis, R., Christensen, B., Kofod-Olsen, E., Skov Sørensen, U. B., Vorup-Jensen, T., Sørensen, E. S. & Höllsberg, P., 1 jun. 2009, I: Journal of Immunology. 182, 11, s. 6943-50 8 s.

Direct Repeat 6 from human herpesvirus-6B encodes a nuclear protein that forms a complex with the viral DNA processivity factor p41
Schleimann, M. H., Møller, J. M. L., Kofod-Olsen, E. & Höllsberg, P., 2009, I: PLOS ONE. 4, 10, s. e7457

Human herpesvirus 6B U19 protein is a PML-regulated transcriptional activator that localizes to nuclear foci in a PML-independent manner
Kofod-Olsen, E., Ross-Hansen, K., Mikkelsen, J. G. & Höllsberg, P., jan. 2008, I: Journal of General Virology. 89, Pt 1, s. 106-16 11 s.

Characterization of the IE4 protein encoded by the human herpesvirus 6B U19 ORF
Kofod-Olsen, E., Ross-Hansen, K., Mikkelsen, J. G. & Höllsberg, P., 2008.

Restriction of human herpesvirus 6B replication by p53
Oster, B., Kofod-Olsen, E., Bundgaard, B. & Höllsberg, P., 2008, I: Journal of General Virology. 89, Pt 5, s. 1106-13 8 s.

Human herpesvirus 6B inhibits cell proliferation by a p53-independent pathway
Øster, B., Kaspersen, M. D., Kofod-Olsen, E., Bundgaard, B. & Höllsberg, P., dec. 2006, I: Journal of Clinical Virology. 37 Suppl 1, s. S63-8

Aktiviteter

Institut for Medicin og Sundhedsteknologi (Organisation)

Emil Kofod-Olsen (Formand)

1 jun. 2021

Technical University of Denmark (Ekstern organisation)

Emil Kofod-Olsen (Medlem)

31 jan. 2021

European Macrophage and Dendritic cell Society (Ekstern organisation)

Emil Kofod-Olsen (Medlem)

2021

Technical University of Denmark (Ekstern organisation)

Emil Kofod-Olsen (Medlem)

4 feb. 2020

Danish Society of Immunology (Ekstern organisation)

Emil Kofod-Olsen (Sekretær)

2017

Scandinavian Society of Immunology (Ekstern organisation)

Emil Kofod-Olsen (Medlem)

2017

Danish Society for Flow cytometry (Ekstern organisation)

Emil Kofod-Olsen (Medlem)

2016

Presse/medie

Knæk Cancer på tur til fire danske byer

Emil Kofod-Olsen

11/10/2017

4 elementer af Mediedækning

Projekter

EPIC-1: A phase II Study of Electroporation Potentiated Immunotherapy in Liver Metastatic Pancreatic Cancer

Flak, R. V., Ladekarl, M., Poulsen, L. Ø., Thorlacius-Ussing, O., Stender, M. T., Detlefsen, S., Agger, R., Kofod-Olsen, E. & Wanders, A.

01/01/2021 → 31/12/2025

Dendritic cell-targeted vaccination

Kofod-Olsen, E. & Agger, R.

01/09/2016 → ...

Inflammatory cell death and dendritic cell activation in the tumor microenvironment

Kofod-Olsen, E.

01/09/2017 → ...

STING-targeted immunotherapy

Kofod-Olsen, E.

01/05/2018 → ...