

Bilag – Årsrapport 2020: Molekylær diagnostisk og klinisk forskning

Publikationer 2020

1. Precision Nutrition in Chronic Inflammation. Demetrowitsch TJ, Schlicht K, Knappe C, Zimmermann J, Jensen-Kroll J, Pisarevskaja A, Brix F, Brandes J, Geisler C, Marinos G, Sommer F, Schulte DM, Kaleta C, **Andersen V**, Laudes M, Schwarz K, Waschina S. *Front Immunol.* 2020 Nov 23;11:587895. doi: 10.3389/fimmu.2020.587895.
2. Health-care costs of inflammatory bowel disease in a pan-European, community-based, inception cohort during 5 years of follow-up: a population-based study. Burisch J, Vardi H, Schwartz D, Friger M, Kiudelis G, Kupčinskas J, Fumery M, Gower-Rousseau C, Lakatos L, Lakatos PL, D'Inca R, Sartini A, Valpiani D, Giannotta M, Arebi N, Duricova D, Bortlik M, Chetcuti Zammit S, Ellul P, Pedersen N, Kjeldsen J, Midjord JMM, Nielsen KR, Winther Andersen K, **Andersen V**, Katsanos KH, Christodoulou DK, Domislovic V, Krznaric Z, Sebastian S, Oksanen P, Collin P, Barros L, Magro F, Salupere R, Kievit HAL, Goldis A, Kaimakliotis IP, Dahlerup JF, Eriksson C, Halfvarson J, Fernandez A, Hernandez V, Turcan S, Belousova E, Langholz E, Munkholm P, Odes S; Epi-IBD group. *Lancet Gastroenterol Hepatol.* 2020 May;5(5):454-464. doi: 10.1016/S2468-1253(20)30012-1. Epub 2020 Feb 13. PMID: 32061322
3. Translational Potential of Metabolomics on Animal Models of Inflammatory Bowel Disease-A Systematic Critical Review. Knudsen LA, Desdorf R, Möller S, **Sørensen SB**, Hansen AK, **Andersen V**. *Int J Mol Sci.* 2020 May 29;21(11):3856. doi: 10.3390/ijms21113856. PMID: 32485793
4. Clinical features and genetic risk of demyelination following anti-TNF treatment. Lin S, Green HD, Hendy P, Heerasing NM, Chanchlani N, Hamilton B, Walker GJ, Heap GA, Hobart J, Martin RJ, Coles AJ, Silverberg MS, Irving PM, Chung-Faye G, Silber E, Cummings F, Lytvyak E, **Andersen V**, Wood AR, Tyrrell J, Beaumont RN, Weedon MN, Kennedy NA, Spiers A, Harrower T, Goodhand JR, Ahmad T; PRED4 study group. *J Crohns Colitis.* 2020 Jun 4;jjaa104. doi: 10.1093/ecco-jcc/jjaa104. Online ahead of print. PMID: 32497177
5. Are Systemic Corticosteroids Causing Psoriasis Flare-Ups? Questionnaire for Danish Dermatologists, Gastroenterologists and Rheumatologists. Schwarz CW, Loft N, **Andersen V**, Juul L, Zachariae C, Skov L. *Dermatology.* 2020 Oct 13:1-7. doi: 10.1159/000510712. Online ahead of print. PMID: 33049749
6. Common gene variants within 3'-untranslated regions as modulators of multiple myeloma risk and survival. Melaiu O, Macaуда A, Sainz J, Calvetti D, Facioni MS, Maccari G, Ter Horst R, Netea MG, Li Y, Grząsko N, Moreno V, Jurczynsyn A, Jerez A, Watek M, Varkonyi J, Garcia-Sanz R, Kruszewski M, Dudziński M, Kadar K, Jacobsen SEH, Mazur G, **Andersen V**, Rybicka M, Zawirska D, Rażny M, Zaucha JM, Ostrovsky O, Iskierka-Jazdzewska E, Reis RM, Stępień A, Beider K, Nagler A, Druzd-Sitek

- A, Marques H, Martínez-Lopez J, Lesueur F, Avet-Loiseau H, Vangsted AJ, Krawczyk-Kulis M, Butrym A, Jamroziak K, Dumontet C, Vogel U, Rymko M, Pelosini M, Subocz E, Szombath G, Sarasquete ME, Silvestri R, Morani F, Landi S, Campa D, Canzian F, Gemignani F. *Int J Cancer*. 2020 Nov 5. doi: 10.1002/ijc.33377. Online ahead of print. PMID: 33152124
7. The Relation between Red Meat and Whole-Grain Intake and the Colonic Mucosal Barrier: A Cross-Sectional Study. **Jawhara M, Sørensen SB**, Heitmann BL, Halldórsson ÞI, Pedersen AK, **Andersen V**. *Nutrients*. 2020 Jun 12;12(6):1765. doi: 10.3390/nu12061765. PMID: 32545531
 8. Postprandial factor VII activation does not increase plasma concentrations of prothrombin fragment 1 + 2 in patients with morbid obesity. Landgrebe LE, Juhl CB, **Andersen V**, Moitinho-Silva L, Bang C, Bladbjerg EM. *Thromb Res*. 2020 Dec;196:260-267. doi: 10.1016/j.thromres.2020.08.044. Epub 2020 Sep 1. PMID: 32920297
 9. Identification of Disease-associated Traits and Clonotypes in the T Cell Receptor Repertoire of Monozygotic Twins Affected by Inflammatory Bowel Diseases. Rosati E, Pogorelyy MV, Dowds CM, Moller FT, Sorensen SB, Lebedev YB, Frey N, Schreiber S, Spehlmann ME, **Andersen V**, Mamedov IZ, Franke A. *J Crohns Colitis*. 2020 Jul 9;14(6):778-790. doi: 10.1093/ecco-jcc/jjz179. PMID: 31711184
 10. NFKB2 polymorphisms associate with the risk of developing rheumatoid arthritis and response to TNF inhibitors: Results from the REPAIR consortium. Manuel Sánchez-Maldonado J, Martínez-Bueno M, Canhão H, Ter Horst R, Muñoz-Peña S, Moñiz-Díez A, Rodríguez-Ramos A, Escudero A, Sorensen SB, Hetland ML, Ferrer MA, Glintborg B, Filipescu I, Pérez-Pampin E, Conesa-Zamora P, García A, den Broeder A, De Vita S, Hove Jacobsen SE, Collantes E, Quartuccio L, Netea MG, Li Y, Fonseca JE, Jurado M, López-Nevot MÁ, Coenen MJH, **Andersen V**, Cáliz R, Sainz J. *Sci Rep*. 2020 Mar 9;10(1):4316. doi: 10.1038/s41598-020-61331-5. PMID: 32152480
 11. Exposure to the Danish Mandatory Vitamin D Fortification Policy in Prenatal Life and the Risk of Developing Coeliac Disease-The Importance of Season: A Semi Ecological Study. Moos C, Duus KS, Frederiksen P, Heitmann BL, **Andersen V**. *Nutrients*. 2020 Apr 27;12(5):1243. doi: 10.3390/nu12051243. PMID: 32349457
 12. Associations between common polymorphisms in CYP2R1 and GC, Vitamin D intake and risk of colorectal cancer in a prospective case-cohort study in Danes. Kopp TI, Vogel U, **Andersen V**. *PLoS One*. 2020 Feb 3;15(2):e0228635. doi: 10.1371/journal.pone.0228635. eCollection 2020. PMID: 32012190
 13. The use of 5-aminosalicylate for patients with Crohn's disease in a prospective European inception cohort with 5 years follow-up - an Epi-IBD study. Burisch J, Bergemalm D, Halfvarson J, Domislovic V, Krznaric Z, Goldis A, Dahlerup JF, Oksanen P, Collin P, de Castro L, Hernandez V, Turcan S, Belousova E, D'Inca R, Sartini A, Valpiani D, Giannotta M, Misra R, Arebi N, Duricova D, Bortlik M, Gatt K, Ellul P, Pedersen N, Kjeldsen J, Andersen KW, **Andersen V**, Katsanos KH, Christodoulou DK, Sebastian S, Barros L, Magro F, Midjord JM, Nielsen KR, Salupere R, Kievit HA, Kiudelis G, Kupčinskas

J, Fumery M, Gower-Rousseau C, Kaimakliotis IP, Schwartz D, Odes S, Lakatos L, Lakatos PL, Langholz E, Munkholm P; Epi-IBD group. United European Gastroenterol J. 2020 Oct;8(8):949-960. doi: 10.1177/2050640620945949. Epub 2020 Jul 26. PMID: 32715989

14. Dietary Red Meat Adversely Affects Disease Severity in a Pig Model of DSS-Induced Colitis Despite Reduction in Colonic Pro-Inflammatory Gene Expression. Nielsen TS, Fredborg M, Theil PK, Yue Y, Bruhn LV, **Andersen V**, Purup S. *Nutrients*. 2020 Jun 9;12(6):1728. doi: 10.3390/nu12061728. PMID: 32526985
15. Intake of dietary fibre, red and processed meat and risk of late-onset Chronic Inflammatory Diseases: A prospective Danish study on the "diet, cancer and health" cohort. Rubin KH, Rasmussen NF, Petersen I, Kopp TI, Stenager E, Magyari M, Hetland ML, Bygum A, Glintborg B, **Andersen V**. *Int J Med Sci*. 2020 Sep 9;17(16):2487-2495. doi: 10.7150/ijms.49314. eCollection 2020. PMID: 33029091
16. Caesarean Delivery and Risk of Chronic Inflammatory Diseases (Inflammatory Bowel Disease, Rheumatoid Arthritis, Coeliac Disease, and Diabetes Mellitus): A Population Based Registry Study of 2,699,479 Births in Denmark During 1973-2016. **Andersen V**, Möller S, Jensen PB, Møller FT, Green A. *Clin Epidemiol*. 2020 Mar 9;12:287-293. doi: 10.2147/CLEP.S229056. eCollection 2020. PMID: 32210632

Bevillinger, priser og anerkendelse

Modtagne bevillinger

Grant Authorities	Type of grant authorities (Danish public/private, European, International)	Applicant	Amount	Type of grant (Ph.d./postdoc, Research project, Other)	Project
Beckett fonden	Dansk	Nathalie Fogh Rasmussen	100.000kr	Other	Tap-løn, dataudtræk, publikationer
Sygehus Sønderjylland	Dansk	Karen Mai Møllegaard	1.625.000 kr	Løn, Drift	Chronic inflammatory diseases (CIDs): Prediction of treatment response based on cytokine profiles and inflammatory biomarkers in blood, feces and intestinal tissue.
Sygehus Sønderjylland	Dansk	Anja Fejrskov Severino	1.350.000 kr	Løn, Drift	Biomarkers of connective tissue turnover in inflammatory bowel disease – diagnostic and predictive capacity
Sygehus Sønderjylland	Dansk	Zainab Hikmat	1.310.000 kr	Løn, drift	Predicting response to medical treatment of inflammatory bowel disease (IBD) using single nucleus and cell transcriptomic on intestinal biopsies: a prospective cohort

					study of personalized medicine
Sygehus Sønderjylland	Dansk	Laura Gregersen	1.304.000 kr	Løn, drift	Hvordan gluten i kosten kan påvirke sygdomsudvikling og behandlingens effekt hos personer med en kronisk inflammatorisk sygdom
Knud og Edith Eriksens Mindefond	Dansk	Laura Gregersen	30.000 kr	Drift	Hvordan gluten i kosten kan påvirke sygdomsudvikling og behandlingens effekt hos personer med en kronisk inflammatorisk sygdom
Region Syddanmarks PhD pulje	Dansk	Laura Gregersen	200.000 kr	Drift	Hvordan gluten i kosten kan påvirke sygdomsudvikling og behandlingens effekt hos personer med en kronisk inflammatorisk sygdom
Region Syddanmark	Dansk	Signe Bek Sørensen	500.000 kr	Forskningsprojekt	Improving the Danish colorectal cancer screening program by identification of microbial biomarkers
Region Syddanmark	Dansk	Vibeke Andersen	1.000.000 kr		IBD-CARE
Region Syddanmark	Dansk	Vibeke Andersen	450.000 kr		PREDI
Region Syddanmark	Dansk	Vibeke Andersen	400.000 kr		RSD-IBD

Videnskabelige artikler

Journal	Rolle	Forsker	Antal artikler
Nutrients	reviewer	Vibeke Andersen SHS	1
Scand J Gastroent	reviewer	Vibeke Andersen SHS	1

Deltagelse i råd, nævn, udvalg og netværk

Navn på Råd, nævn, Udvalg, netværk	Rolle	Forsker	Andet
RSD forskningsudvalg	bedømmer	Vibeke Andersen	
DARE, Lundbeckfonden	bedømmer	Vibeke Andersen	
SYSCID	Team leder, Danmark	Vibeke Andersen	Internationalt konsortium
IBD-CARE	PI	Vibeke Andersen	
NORDTREAT	Workpackleader	Vibeke Andersen	

IIBDGC	Regional koordinator for internationalt IBD genetik konsortium	Vibeke Andersen	
EPIC-IBD	Medlem	Vibeke Andersen	
Pre-medico	Medlem	Vibeke Andersen	
ICPerMed	Medlem	Vibeke Andersen	