



Curriculum Vitae

Personal information Oskar Skog

Work experience

1. Employer: The Swedish MPA Läkemedelsverket
 - Start date: 092022
 - End date:
 - Position: Non_clinical assessor
 - Activities:
 - Country: Sweden
2. Employer: Uppsala University
 - Start date: 122017
 - End date:
 - Position: Associate professor of experimental clinical immunology
 - Activities:
 - Country: Sweden
3. Employer: Uppsala University
 - Start date: 062012
 - End date: 072019
 - Position: Researcher
 - Activities: Research on type 1 diabetes etiology
 - Country: Sweden
4. Employer: Akademiska Hospital Uppsala
 - Start date: 072019
 - End date: 092022
 - Position: Immunologist, Head of clinical islet isolation facility
 - Activities: Research on type 1 diabetes and immunology combined with clinical laboratory work
 - Country: Sweden

Education and training

1. Subject: Uppsala University
 - Start date: 092007
 - End date: 052012
 - Qualification: PhD
 - Organisation: Medicine Thesis title: Effects of enterovirus infection on innate immunity and beta cell function in human islets of Langerhans.
 - Country: Sweden
2. Subject: Uppsala University
 - Start date: 092002
 - End date: 062007
 - Qualification: Master, Biomedicine
 - Organisation:
 - Country: Sweden

Additional information

Publications

Original publications (*=shared authorship) 1. Oikarinen S, Krogvold L, Edwin B, Buanes T, Korsgren O, Laiho JE, Oikarinen M, Ludvigsson J, Skog O, Anagandula M, Frisk G, Hyöty H, Dahl Jørgensen K. Characterisation of enterovirus RNA detected in the pancreas and other specimens of live patients with newly diagnosed type 1 diabetes in the DiViD study. *Diabetologia*. 2021. Doi: 10.1007/s00125_021_05525_0 2. Granlund L, Hedin A, Wahlhütter M, Seiron P, Korsgren O, Skog O*, Lundberg M*. Histological and transcriptional characterization of the pancreatic acinar tissue in type 1 diabetes. *BMJ Open Diabetes Research and Care*. 2021, 9:e002076. doi: 10.1136/bmjdr_2020_002076 3. Seiron P, Stenwall A, Hedin A, Granlund L, Esguerra JLS, Volkov P, Renström E, Korsgren O, Lundberg M, Skog O. Transcriptional analysis of islets of Langerhans from organ donors of different ages. *PLoS ONE*. 2021, 16:e0247888. doi: 10.1371/journal.pone.0247888 4. Neiman D, Gillis D, Piyanzin S, Fridlich O, Moss J, Zick J, Oron T, Sundberg F, Forsander G, Skog O, Korsgren O, Levy_Khademi F, Arbel D, Hashavya S, Shapiro J, Speake C, Greenbaum C, Hosford J, Posgai A, Atkinson M, Glaser B, Schatz D, Shemer R, Dor Y. Multiplexing DNA methylation markers to detect circulating cell_free DNA derived from human pancreatic β cells. *JCI Insight*. 2020, doi: 10.1172/jci.insight.136579 5. Jonsson A, Hedin A, Müller M, Skog O, Korsgren O. Transcriptional profiles of human islet and exocrine endothelial cells in subjects with or without impaired glucose metabolism. *Sci Rep*. 2020, 10:22315. 6. Seiron P, Wiberg A, Kuric E, Krogvold L, Jahnsen FL, Jørgensen KD, Skog O*, Korsgren O*. Characterisation of the endocrine pancreas in type 1 diabetes: islet size is maintained but islet number is markedly reduced. *J Pathol Clin Res*. 2019, 5:248_255. 7. Stenwall A, Ingvast S, Skog O*, Korsgren O*. Characterization of host defense molecules in the human pancreas. *Islets*. 2019, DOI:10.1080/19382014.2019.1585165 8. Jonsson A, Yngve E, Karlsson M, Ingvast S, Skog O*, Korsgren O*. Protein kinase R is constitutively expressed in the human pancreas. *Journal of Histochemistry & Cytochemistry*. 2019, 67:99_105. 9. Helker CSM, Mullapudi ST, Mueller LM, Preussner J, Tunaru S, Skog O, Kwon HB, Kreuder F, Lancman JJ, Bonnnavion R, Si Dong PD, Looso M, Offermanns S, Korsgren O, Spagnoli FM, Stainier DYR. Whole organism small molecule screen identifies novel regulators of pancreatic endocrine development. *Development*. 2019; dev.172569. 10. Kuric E, Krogvold L, Hanssen KF, Dahl_Jørgensen K, Skog O*, Korsgren O*. No evidence for presence of MAIT cells in the insulitic lesions in patients recently diagnosed with type 1 diabetes. *Am J Pathol*. 2018, 188; 1744_1748. 11. Lundberg M, Stenwall A, Tegehall A, Korsgren O, Skog O. Expression profiles of stress_related genes in islets from donors with progressively impaired glucose metabolism. *Islets*. 2018, 10:69_79. 12. Ericsson M, Skog O. Presence of Human Herpes virus 6B in the

pancreas of subjects with and without type 1 diabetes. *Pancreas*. 2017, 46; 1341_1346. 13. Lundberg M, Lindqvist A, Wierup N, Krogvold L, Dahl_Jørgensen K, Skog O. Reduced parasympathetic axon density in exocrine pancreas at onset of type 1 diabetes. *PLOS One*, 2017. 10.1371/journal.pone.0179911 14. Kuric E, Seiron P, Krogvold L, Edwin B, Buanes T, Hansen KF, Skog O, Jørgensen KD, Korsgren O. Demonstration of tissue resident memory CD8 T cells in insulinitic lesions in patients with recent onset type 1 diabetes. *American Journal of Pathology*. 2017, 187; 581_588. 15. Radenkovic M, Uvebrant K, Skog O, Sarmiento L, Arvastsson J, Storm P, Vickman P, Bertilsson PA, Fex M, Korsgren O, Corrado C. Characterization of resident lymphocytes in human pancreatic islets. *Clinical & Experimental Immunology*. 2017, 187;418_427. 16. Lundberg M, Seiron P, Ingvast S, Korsgren O, Skog O. Insulinitis in human diabetes: a histological evaluation of donor pancreases. *Diabetologia*. 2017, 60; 346_353. 17. Lundberg M, Krogvold L, Kuric E, Dahl_Jørgensen K, Skog O. Expression of interferon_stimulated genes in insulinitic pancreatic islets of patients recently diagnosed with type 1 diabetes. *Diabetes*. 2016, 65; 3104_3110. 18. Hodik M, Skog O*, Lukinius A, Isaza_Correa J, Kuipers J, Giepmans B, Frisk G. Enterovirus infection of human islets of Langerhans affects β -cell function resulting in disintegrated islets, decreased glucose_stimulated insulin secretion and loss of golgi structure. *BMJ Open Diabetes Research & Care*. 2016, 4; e000179 19. Krogvold L, Wiberg A, Edwin B, Buanes T, Jahnsen FL, Hanssen KF, Korsgren O, Skog O*, Knut Dahl_Jørgensen*. Insulinitis and characterization of infiltrating T cells in surgical pancreatic tail resections from patients at onset of type 1 diabetes. *Diabetologia*. 2016, 59; 492_501 20. Wiberg A, Granstam A, Ingvast S, Härkönen T, Knip M, Korsgren O, Skog O. Characterization of human organ donors testing positive for diabetes_associated autoantibodies. *Clinical & Experimental Immunology*. 2015, 182; 278_288. 21. Krogvold L*, Skog O*, Sundström G*, Edwin B, Buanes T, Hansen KF, Ludvigsson J, Grabherr M, Korsgren O, Dahl_Jørgensen K. Function of isolated pancreatic islets from patients at onset of type 1 diabetes; Insulin secretion can be restored after some days in a non_diabetogenic environment in vitro. *Diabetes*. 2015, 64; 2506_2512. 22. Krogvold L, Edwin B, Buanes T, Frisk G, Skog O, Anagandula M, Korsgren O, Undlien D, Eike MC, Richardson SJ, Leete P, Morgan NG, Oikarinen S, Oikarinen M, Laiho JE, Hyöty H, Ludvigsson J, Hanssen KF, Dahl_Jørgensen K. Detection of a low_grade enteroviral infection in the islets of Langerhans of living patients newly diagnosed with type 1 diabetes. *Diabetes*. 2015, 64; 1682_1687 23. Skog O, Korsgren S, Wiberg A, Danielsson A, Edwin B, Buanes T, Krogvold L, Korsgren O, Dahl_Jørgensen K. Expression of Human Leukocyte Antigen class I in endocrine and exocrine pancreatic tissue at onset of type 1 diabetes. *American Journal of Pathology*. 2015, 185; 129_138. 24. Skog O, Ingvast S, Korsgren O. Evaluation of RT_PCR and immunohistochemistry as tools for detection of enterovirus in the human pancreas and islets of Langerhans. *J Clin Virol*. 2014, 61; 242_247. 25. Hopfgarten J, Stenwall PA, Wiberg A, Anagandula M, Ingvast S, Rosenling T, Korsgren O, Skog O. Gene expression analysis of human islets in a subject at onset of type 1 diabetes. *Acta Diabetologica*. 2014, 51;199_204. 26. Nyström N, Berg T, Lundin E, Skog O, Hansson I, Frisk G, Joko_Pecirep I, Nilsson M, Gyllensten U, Finkel Y, Fuxe J, Wanders A. Human enterovirus species B in ileocecal Crohn's disease. *Clin Transl Gastroenterol*. 2013, 4; e38. 27. Skog O, Korsgren O, Frisk G. Modulation of innate immunity in human pancreatic islets infected with enterovirus in vitro. *J Med Virol*. 2011, 83; 658_664. 28. Moëll A, Skog O*, Åhlin E, Korsgren O, Frisk G. Antiviral effect of nicotinamide on enterovirusinfected human islets in vitro: effect on virus replication and chemokine secretion. *J Med Virol*. 2009, 81;1082_1087. Review articles and letters 1. Skog O, Korsgren O. On the dynamics of the human endocrine pancreas and potential consequences for the development of type 1 diabetes. *Acta Diabetologica*. 2020, 57;503_511. 2. Korsgren O, Skyler JS, Skog O, Sundberg F, Forsander G, Ludvigsson J. Imagining a better future for all people with type 1 diabetes mellitus. *Nature Reviews Endocrinology*. 2019, 15;623_624. 3. Skog O, Klingel K, Roivainen M, Korsgren O. Large enteroviral vaccination studies to prevent type 1 diabetes should be well founded and rely on scientific evidence. *Diabetologia* 2019;62:1097. 4. Skog O, Korsgren O. Aetiology of type 1 diabetes: Physiological growth in children affects disease progression. *Diabetes, Obesity and Metabolism* 2017, doi: 10.1111/dom.13144 5. Skog O, Korsgren O. Comment on Rodriguez_Calvo et al. Increase in Pancreatic Proinsulin and Preservation of β _Cell Mass in Autoantibody_Positive Donors Prior to Type 1 Diabetes Onset. *Diabetes* 2017;66:1334_1345. *Diabetes* 2017;66:e8_e9. https://doi.org/10.2337/db17_0589. 6. Lundberg M, Seiron P, Ingvast S, Korsgren O, Skog O. Re_addressing the 2013 consensus guidelines for the diagnosis of insulinitis in human type 1 diabetes: is change necessary? Reply to Campbell_Thompson et al. *Diabetologia*. 2017, 60; 756. 7. Skog O, Korsgren S, Melhus Å, Korsgren O. Revisiting the notion of type 1 diabetes being a T_cellmediated autoimmune disease. *Current Opinion in Endocrinology, Diabetes, and Obesity*. 2013, 20; 118_123.

Projects

Memberships

2017 _ The Swedish Child Diabetes Foundation's Johnny Ludvigsson prize for young investigator in diabetes, http://www.barndiabetesfonden.se/Forskning/Johnny_Ludvigssons_Pris1

Other Relevant Information