EUROPEAN MEDICINES AGENCY
SCIENCE MEDICINES HEALTH

Curriculum Vitae

Personal information

Oskar Skog

Work experience

Scientific background:
PhD in clinical immunology. Associate professor of experimental clinical immunology at Uppsala University. More than 15-year experience in preclinical and translational research with a special focus on immunology, including transplantation, cell therapy, virology and diabetes.

1. . Employer: The Swedish MPA Läkemedelsverket
   - Start date: 092022
   - End date:
   - Position: Non-clinical assessor
   - Activities: Working with all types of applications, assessing all parts of the non-clinical dossier. Special interest in diabetes, immunology and biologicals, ATMP.
   - Country: Sweden
2. Employer: Uppsala University
   - Start date: 122017
   - End date: 123123
   - Position: Associate professor of experimental clinical immunology
   - Activities: Research and teaching
   - 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/bmjdrc_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, Bonnavion 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 insulitic 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. Insulitis 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 insulitic 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*. Insulitis 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, Juko_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: 10.111/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 insulitis 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