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Steno Diabetes Center Copenhagen
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Employment

Forsker

Steno Diabetes Center Copenhagen
The Capital Region of Denmark
Herlev, Denmark
1 Apr 2020 → present

Forsker

Steno Diabetes Center Copenhagen
The Capital Region of Denmark
Herlev, Denmark
1 Apr 2025 → present

Research outputs

Dysregulated insulin signaling and inflammation contribute to the pathogenesis of Alzheimer's disease: from animal models to human cells

Rytter, M. E., Svane, C. A. B., Størling, J. & Chen, W., 1 Mar 2026, In: Neural Regeneration Research. 21, 3, p. 1126-1127 2 p.

Evaluation of the pharmacological cathepsin S inhibitor LY3000328 on autoimmune diabetes in mice

Frørup, C., Svane, C. A. S., Jensen, M. H., Holm, L. J., Pedersen, K., Mønsted, M. Ø., Buschard, K. S., Størling, J., Pociot, F., Haupt-Jørgensen, M. & Fløyel, T., Dec 2025, In: Biomedicine & Pharmacotherapy. 193, 118744.

Exploring the functional, protective, and transcriptomic effects of GIP on cytokine-exposed human pancreatic islets and EndoC-βH5 cells

Henriksen, K., Jørgensen, A., Kaur, S., Gerwig, R., Brøgger Svane, C. A., Knop, F. K. & Størling, J., 15 May 2025, In: Molecular and Cellular Endocrinology. 602, p. 112522 112522.

Cross-species high-resolution transcriptome profiling suggests biomarkers and therapeutic targets for ulcerative colitis

Yarani, R., Palasca, O., Doncheva, N. T., Anthon, C., Pilecki, B., Svane, C. A. S., Mirza, A. H., Litman, T., Holmskov, U., Bang-Berthelsen, C. H., Vilien, M., Jensen, L. J., Gorodkin, J. & Pociot, F., 5 Jan 2023, In: Frontiers in molecular biosciences. 9, p. 1081176 1081176.

Characterization of the functional and transcriptomic effects of pro-inflammatory cytokines on human EndoC-βH5 beta cells

Frørup, C., Gerwig, R., Svane, C. A. S., Mendes Lopes de Melo, J., Henriksen, K., Fløyel, T., Pociot, F., Kaur, S. & Størling, J., 2023, In: Frontiers in Endocrinology. 14, p. 1128523 1128523.

Posters and Abstracts

Pro-inflammatory cytokines prime human islets for gasdermin D-mediated pyroptosis

Mitani, F., Henriksen, K., Svane, C. A. S., Jørgensen, A., Kaur, S., Frørup, C. & Størling, J., Jun 2025, p. 73.

Pyroptosis executioner Gasdermin D is upregulated in beta cells from donors with Type 1 diabetes and in Human islets and EndoC- β H5 cells in response to proinflammatory cytokines

Svane, C. A., Frørup, C., Henriksen, K., Jørgensen, A. & Størling, J., Jun 2024.

The long non-coding RNA H19 is a target of pro-inflammatory cytokines in human beta cells and modulates apoptosis and insulin secretion.

Frørup, C., Fløyel, T., Mirza, A. H., Svane, C. A. S., L. Colli, M., Johannesen, J., L. Eizirik, D., Størling, J., Kutter, C., Pociot, F. & Kaur, S., 2023.

α -cell function in an in vitro proinflammatory cytokine model of type 1 diabetes

Henriksen, K., Svane, C. A. S. & Størling, J., 1 Nov 2022.

In vitro investigation of Mesenchymal Stem Cell Secretomes molecular mechanisms in β -cell protection

Svane, C. A. S., Pociot, F. & Yarani, R., 17 Jun 2022.

In vitro investigation of Mesenchymal Stem Cell secretome mechanisms in β cell protection

Svane, C. A. S., Pociot, F. & Yarani, R., 13 Jun 2022.

The novel human EndoC- β H5 cells as a valid model to study cytokine-mediated β -cell destruction

Frørup, C., Gerwig, R., Svane, C. A. S., Mendes Lopes de Melo, J., Pociot, F. & Størling, J., 2 Jun 2022.

Genomic based investigation of phenotypic differences of T1D-derived iPSC-beta cells

Svane, C. A. S. & Pociot, F., 18 May 2022.

In vitro investigation of Mesenchymal Stem Cells secretome

Svane, C. A. S., Pociot, F. & Yarani, R., 8 Dec 2021.

In vitro investigation of Mesenchymal Stem Cells secretome

Svane, C. A. S., Pociot, F. & Yarani, R., 8 Dec 2021.

Activities

European Islet Study Group 2024

Svane, C. A. (Participant)

18 Jun 2024 → 20 Jun 2024

Islet Study Group

Svane, C. A. S. (Participant)

19 Jun 2023 → 21 Jun 2023

Dansk Endokrinologisk Selskab Årsmøde 2022

Svane, C. A. S. (Speaker)

17 Jun 2022 → 18 Jun 2022

In vitro investigation of Mesenchymal Stem Cell Secretomes molecular mechanisms in β -cell protection

Svane, C. A. S. (Lecturer)

17 Jun 2022

European Islet Study Group Workshop

Svane, C. A. S. (Participant)

13 Jun 2022 → 15 Jun 2022

Genomic based investigation of phenotypic differences of T1D-derived iPSC-β-cells

Svane, C. A. S. (Lecturer)

19 May 2022

Northern Europe Young Diabetologists

Svane, C. A. S. (Speaker)

18 May 2022 → 20 May 2022

In vitro investigation of Mesenchymal Stem Cells secretome

Svane, C. A. S. (Lecturer)

8 Dec 2021

STEM CELL Custom Virtual iPSC training course

Svane, C. A. S. (Participant)

9 Nov 2020 → 12 Nov 2020

Dansk Endokrinologisk Selskabs årsmøde 2020

Svane, C. A. S. (Participant)

17 Jan 2020 → 18 Jan 2020

Danish Diabetes Academy. Children and adolescents with type 1 diabetes

Svane, C. A. S. (Participant)

9 Dec 2019 → 10 Dec 2019

Novo Nordisk R&D Academy

Svane, C. A. S. (Participant)

30 Sept 2019

Reviewer**Stem Cells (Journal)**

Svane, C. A. S. (Reviewer)

Jun 2023 → Oct 2023

Qualifications

Biomedicine, Masters, Astrocytes effect on the degeneration of dopaminergic neurons differentiated from isogenic induced pluripotent stem cells with and without PARK2 mutation, University of Southern Denmark

Sept 2017 → Jun 2018

Award Date: 18 Jun 2018