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## Ansættelse

### Forsker

Steno Diabetes Center Copenhagen  
Region Hovedstaden  
Herlev, Danmark  
1 apr. 2020 → present

### Forsker

Steno Diabetes Center Copenhagen  
Region Hovedstaden  
Herlev, Danmark  
1 apr. 2025 → present

## Publikationer

### **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, I: Neural Regeneration Research. 21, 3, s. 1126-1127  
2 s.

### **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, I: 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 maj 2025, I: Molecular and Cellular Endocrinology. 602, s. 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, I: Frontiers in molecular biosciences. 9, s. 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, I: Frontiers in Endocrinology. 14, s. 1128523 1128523.

## Konference publikationer

### **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, s. 73.

**Pyroptosis executioner Gasdermin D is upregulated in beta cells from donors with Type 1 diabetes and in Human islets and EndoC-βH5 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-βH5 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 maj 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.

## **Aktiviteter**

**European Islet Study Group 2024**

Svane, C. A. (Deltager)

18 jun. 2024 → 20 jun. 2024

**Islet Study Group**

Svane, C. A. S. (Deltager)

19 jun. 2023 → 21 jun. 2023

**Dansk Endokrinologisk Selskab Årsmøde 2022**

Svane, C. A. S. (Taler)

17 jun. 2022 → 18 jun. 2022

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

Svane, C. A. S. (Foredragsholder)

17 jun. 2022

**European Islet Study Group Workshop**

Svane, C. A. S. (Deltager)

13 jun. 2022 → 15 jun. 2022

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

Svane, C. A. S. (Foredragsholder)  
19 maj 2022

### **Northern Europe Young Diabetologists**

Svane, C. A. S. (Taler)  
18 maj 2022 → 20 maj 2022

### **In vitro investigation of Mesenchymal Stem Cells secretome**

Svane, C. A. S. (Foredragsholder)  
8 dec. 2021

### **STEM CELL Custom Virtual iPSC training course**

Svane, C. A. S. (Deltager)  
9 nov. 2020 → 12 nov. 2020

### **Dansk Endokrinologisk Selskabs årsmøde 2020**

Svane, C. A. S. (Deltager)  
17 jan. 2020 → 18 jan. 2020

### **Danish Diabetes Academy. Children and adolescents with type 1 diabetes**

Svane, C. A. S. (Deltager)  
9 dec. 2019 → 10 dec. 2019

### **Novo Nordisk R&D Academy**

Svane, C. A. S. (Deltager)  
30 sep. 2019

## **Reviewer**

### **Stem Cells (Tidsskrift)**

Svane, C. A. S. (Anmelder)  
jun. 2023 → okt. 2023

## **Kvalifikationer**

Biomedicin, Kandidat, Astrocytes effect on the degeneration of dopaminergic neurons differentiated from isogenic induced pluripotent stem cells with and without PARK2 mutation, Syddansk Universitet  
sep. 2017 → jun. 2018  
Dimissionsdato: 18 jun. 2018