

Guest lecture

“Insulin-Producing Human Alpha-Cells”

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10 AM in the BMB seminar room



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Abstract: In mice, using selective cell ablation and cell lineage tracing approaches, we described the reconstitution of insulin-producing cells by cell-type interconversion events within the pancreatic islets of diabetic animals. Whether human islet cells can also reprogram into insulin-producers remains unknown. Due to inherent interspecies differences and known difficulties in recapitulating several human disorders in mice, the formal proof of human alpha-cell plasticity is required before attempting the therapeutic exploration of the interconversion mechanisms.

Host: Professor Susanne Mandrup, Department of Biochemistry and Molecular Biology, SDU.