

**ROLE OF DYRK1A INHIBITION IN PANCREATIC β CELL
GROWTH IN A RODENT MODEL OF TYPE 2 DIABETES**

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Type 2 diabetes mellitus (T2DM) is characterized by a significant loss of β -cells in pancreatic islets. Dual-specificity tyrosine-regulated kinase 1A (DYRK1A) interacts in different pathways that affect proliferation and function of β -cells and the development of inhibitors has been gaining popularity as a diabetes mellitus (DM) treatment. The aim of this study was to evaluate the potential of new inhibitors of DYRK1A to increase the proliferation and restore the mass of β -cells in an animal model of T2DM.

This project has been made based on the **confidential** results obtained in an internship in the *Biologie et Pathologie du Pancréas Endocrine* Research Group located in Unité BFA-Université de Paris, under the supervision of Prof. Jamileh Movassat (movassat@u-paris.fr).

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