The Beta-Cell Surface Proteome Glucose **ECM** GLUT1/2 IR/IGF-1R GLP-1R EGFR "" α₂-Adrenoreceptor Integrin Metabolism cAMP PKA EPAC K⁺_{ATP} channel E-Cadherin) **↑**ATP/ADP E-Cadherin ↑ [Ca2+] Gene expression ER Connexin-36 Ca2+ channel Hypertrophy · GSIS Migration Differentiation NeogenesisProliferation · Apoptosis PTPRN 🎾 Insulin granule exocytosis Ephrin-A EphA PIP₂ IP_s DAG mmmmmmmmmmm TMEM27 BACE2 IL-1R MHC class I GPR40 Autoantigen

The pancreatic beta cell surface proteome. **Diebetologia. 2012**





