

## Technological developments at the Cellular physiology core facility

The platform regularly develops & validates new tests and applications in association with research teams and collaborators (see Table below).

If you have a development idea and you think it could interest several users, contact the core facility:

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**Table 1:** History of developments at the Cellular physiology core facility

Year of commissioning	Assays & applications	Technological approach used
2021	Cholesterol assay in cell lines	Enzymatic assay and cholic acid extraction
2020	Morphometry of adipocytes (cell size distribution)	HE staining and Adiposoft software
2019	Human Il-2 assay	TR-FRET
2019	Determination of cellular triglyceride content	Enzymatic assay
2019	Mouse CRP assay	ELISA
2018	Creatinine assay	Enzymatic assay
2018	Miniaturization of Urea assay	Enzymatic assay
2018	Langerhans islet morphometry (islet size distribution)	HD immunohistochemistry & slide digitizer
2018	Miniaturization of Fructose assay	Enzymatic assay
2018	Miniaturization of Triglyceride assay	Enzymatic assay
2018	Miniaturization of Free fatty acid (FFA) assay	Enzymatic assay
2018	Miniaturization of Lactate assay	Enzymatic assay
2018	Miniaturization of plasma Cholesterol assay	Enzymatic assay
2018	Estradiol assay	ELISA
2018	Testosterone assay	AlphaLISA
2017	Tissue Triglyceride assay	Enzymatic assay -saponification
2017	Fructose assay	Enzymatic assay
2017	Somatostatine assay	AlphaLISA
2017	Corticosterone assay	AlphaLISA
2014	Langerhans islet $\alpha/\beta$ cell ratio-immunohistochemistry	HD immunohistochemistry & slide digitizer
2014	Ki-67 immunohistochemistry_Langerhans islets	HD immunohistochemistry & slide digitizer
2014	Chromogranine immunohistochemistry_Langerhans islets	HD immunohistochemistry & slide digitizer