

**WP4: Chemical and functional exploration of hormonal and metabolic systems**

Diabetic and other metabolic diseases represent a major health burden throughout the world. We therefore undertook the development of a battery of tests to explore the hormonal and metabolic status of mouse strains and mutants. The guidelines for animal housing and handling conditions established through the work groups on *Animal Handling* and *Clinical Chemistry* also impact upon the tests developed. Only food intake is classified as a primary test, but in addition 7 Data Generating Primary Extended and Secondary SOPs were developed of which 4 have been validated between different centres – Oral Glucose Tolerance Test (OGTT), Dual energy X-ray absorptiometry (Dexascan), Cold Test and Intraperitoneal Insulin Sensitivity Test (IPIST).