

STATE OF THE ART LABORATORIES WITH GREEN CREDENTIALS



INSTITUTE OF PHARMACY & BIOMEDICAL SCIENCES (SIPBS) UNIVERSITY OF STRATHCLYDE, GLASGOW, UK

This building is the first major project of the Campus Development Plan, bringing together the existing departments of the faculty; the Schools of Applied Physiology, Bioscience, Immunology, Pharmaceutical Sciences and Physiology and Pharmacology to create the Institute. Located on Cathedral Street in Glasgow, the 8,000m² Institute is the gateway to both the University and the city centre. It locates approximately 1,000 students and staff on one site.

At ground level, a triple height facade encloses the cafe, social learning space and entrance reception which help to enliven the street, thereby contributing to the proposed renewal of Cathedral Street. Undergraduate resources, including a 160-seat laboratory, a clean teaching suite (one of only three in the UK) and interactive write-up spaces, are located over the first three levels, surrounding the open suspended staircase, designed to encourage staff and student interaction. The upper three levels provide flexible floor-plates which include laboratories,

write-up space and offices, with glazed link bridges connecting to the existing Robertson Wing.

The integrated engineering design has produced high quality and flexible laboratory facilities, including dedicated CAT 3 facilities. The design innovations on the project include the use of integrated daylight control of lighting, and underfloor heating and cooling linked to an energy efficient condensing boiler plant. Close control variable air volume systems, chilled beams and gas fired humidifiers provide dedicated ventilation within the laboratory spaces. The heating and power systems are also designed to be connected to a future district heating and power scheme.

The SIPBS building sets a national benchmark for sustainability and has achieved a 'Very Good' BREEAM rating.

CLIENT
University of Strathclyde

ARCHITECT
Sheppard Robson

PROJECT VALUE
£25m

SERVICES PROVIDED BY
BUROHAPPOLD
Building services engineering (MEP),
structural engineering, fire engineering,
acoustic design, sustainability