

## The University of St Andrews BioSciences Building



This new Biomedical Sciences annex is a £13.5m, 2,000m<sup>2</sup> facility for the University of St Andrews which includes Cat 2 as well as specialist Cat 3 laboratories, write up spaces and offices. The building links directly to the adjacent Purdie building, containing specialist active research requiring the design team to carefully consider interfaces.

The project is the first project in Scotland to achieve BREEAM 'Outstanding' and the first laboratory building to achieve this rating. The building has an EPC rating of 'A'.

Key innovations and efficiencies were achieved via the following initiatives:

- Individual AHU's per Lab allows free cooling
- Direct drive fans, lower fan power
- Brie Soleil on West Elevation
- High Efficiency chiller
- PIR Lighting in Plant Areas and areas out with Labs
- Daylight linking of light fittings
- Gas fired CHP rejecting heat to adjoining buildings – maximising power input
- Natural ventilation supplemented by ventilation stacks to write up spaces & meeting rooms
- Natural ventilation to offices
- High Performance Building Fabric
- Fume cupboards with heat recovery and automatic sash closers