

## Introduction

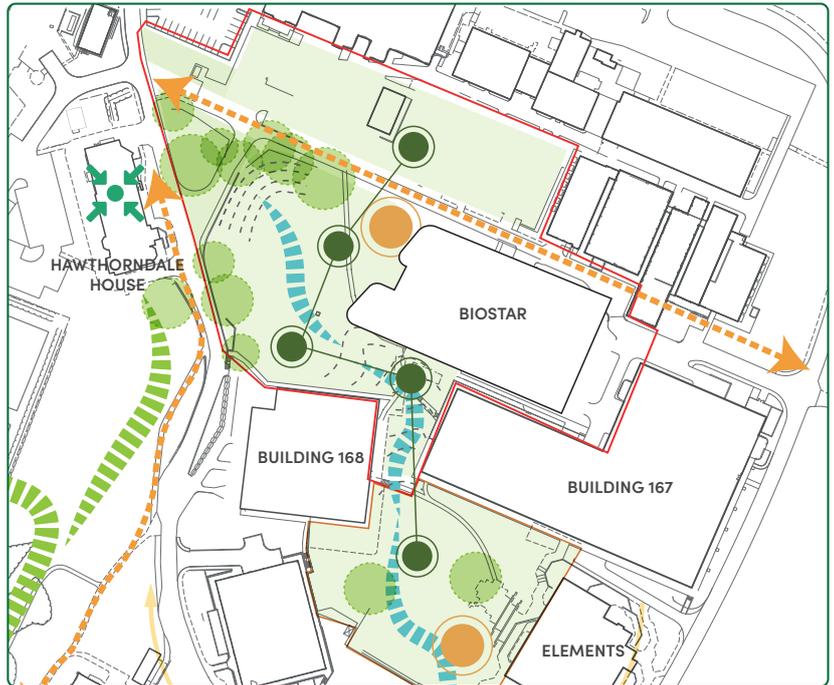
The Biological Science Technology and Research (**BioSTaR**) building will provide 9,500 sq m of laboratory, small scale up and digital facilities to enable cutting-edge research and development (R&D) to deliver solutions that enable sustainable food production and help meet the global challenge of improving the environmental performance of farming.

This centre of excellence for Syngenta is proposed to be located at Jealott's Hill International Research Centre, on the site of a former greenhouse.

It will replace existing ageing facilities at the site and will be used by scientists already employed at Jealott's Hill.

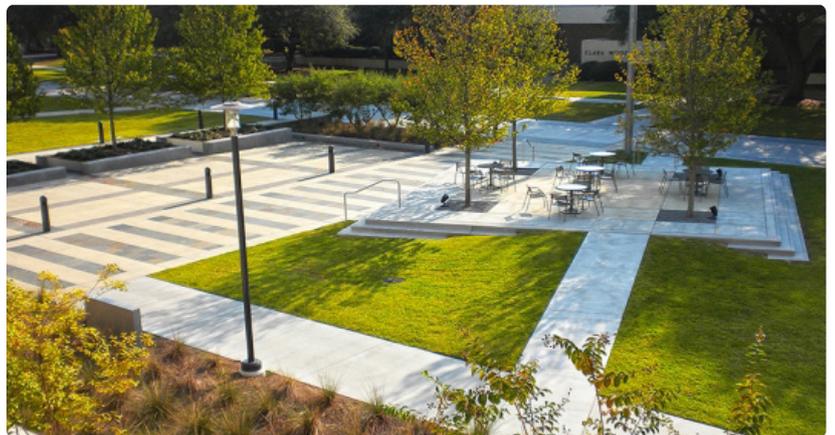
BioSTaR will create stimulating environments that will encourage collaboration between users across their scientific disciplines.

The research and development (R&D) facilities will be able to flex and adapt over time to the changing requirements of Syngenta's research.



Indicative sketch indication the location of BioStar

- BioStar redline boundary
- Utilising level change as a key design driver
- Integrating a connected and cohesive SUDS system
- Linking to existing and proposed key movement routes
- Developing a network of feature wayfinding trees
- Retaining existing trees where possible
- Existing green infrastructure links
- Development of a central plaza space at the heart of the campus
- Maximising view of Hawthorn Dale House focal point



Indicative Images show the envisaged natural environments.

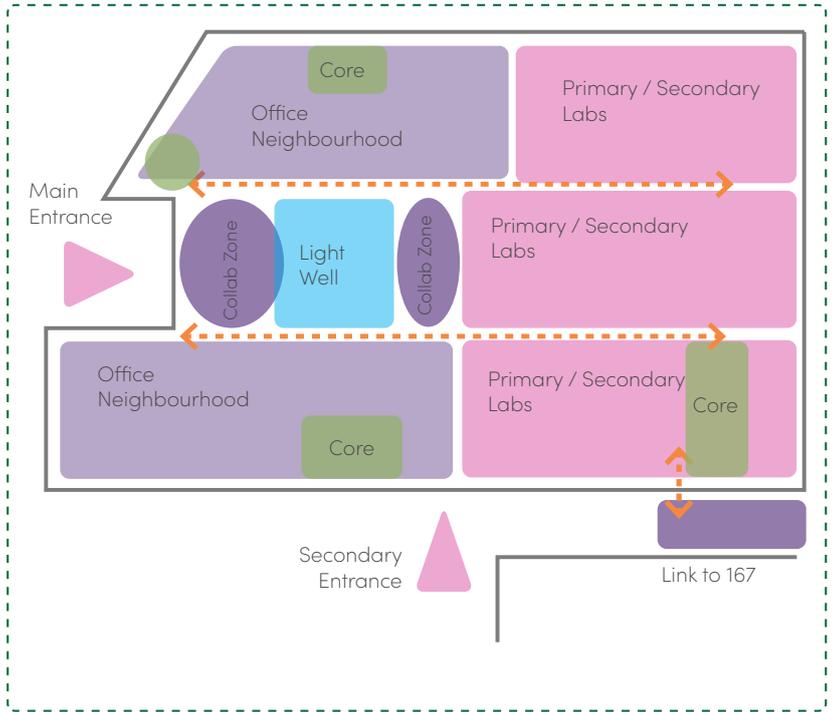
## Building design

BioSTaR is designed over three levels, comprising laboratories and office type workspaces.

The internal areas will be carefully designed to coordinate laboratory areas and activity-based workspaces, such as meeting rooms, group working zones, quiet zones and phone booths.

Health and wellbeing will be promoted throughout the design, including sensory calming room, facilities to promote cycling, good levels of natural light and a variety of external workspaces.

Sustainable design will focus on energy efficiency whilst minimising emissions and ecological impact.



Concept zonal space planning



Indicative images illustrating the look and feel of the interiors of BioSTaR but may not reflect final design

## External design

The final design will soften the edges and planes of the building, using natural forms to provide smooth visual transitions as people move through the site.



Indicative sketch image showing how BioSTaR.

## Landscape and ecology

The landscape proposals aim to improve connectivity across the site and between buildings and spaces.

Access for all is central to the design approach.

Planting and hard landscaping will work together with the changes in level to create a strong connection, delivering biodiversity net gain.

Feature trees will be introduced as part of a wayfinding strategy to visually link and connect the surrounding landscape.



Indicative images illustrating the envisaged natural environments.



Indicative site plan.