

LT-UK scientific cooperation in Life Sciences

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The Hub for Biotechnology in the Built Environment (HBBE)



Our vision is to develop biotechnologies to create a new generation of 'Living Buildings' which are responsive to their natural environment; grown using living engineered materials to reduce inefficient industrial construction processes; metabolise their own waste, reducing pollution, generate energy and high-value products and modulate their microbiome to benefit human health and wellbeing

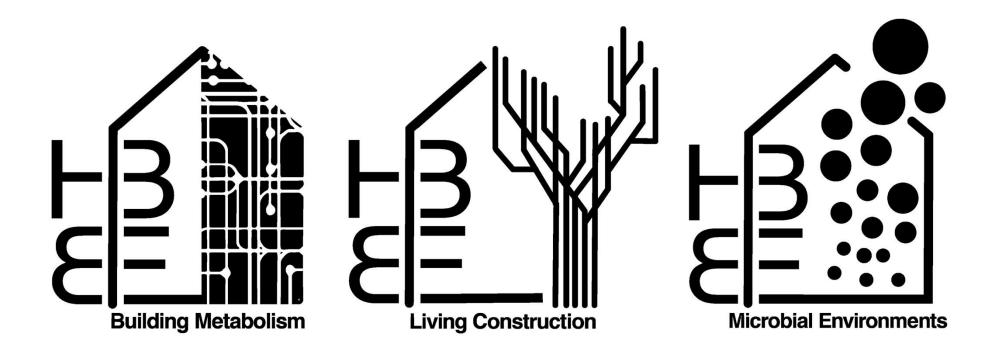
"Buildings which are life-sustaining and sustained by life"







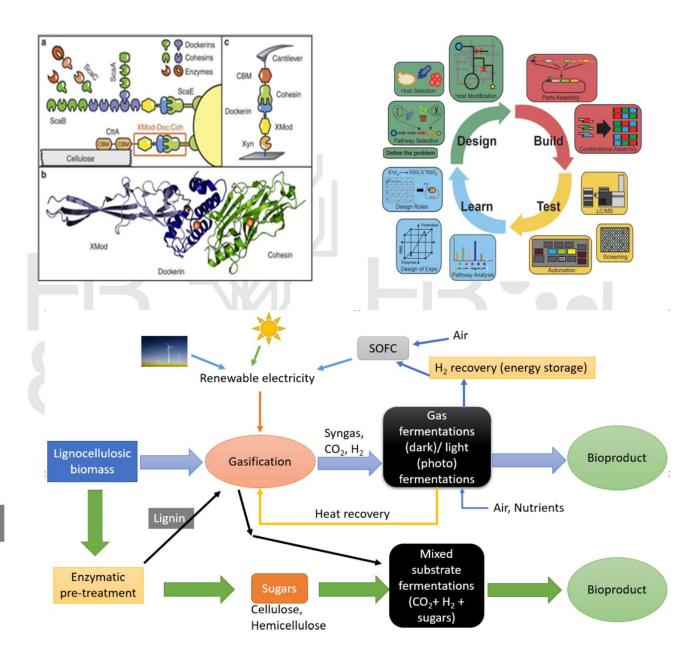
Scientific Research Themes



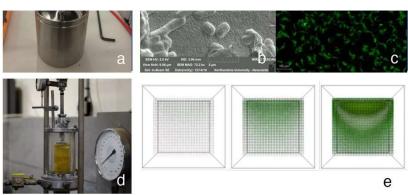




Gary Black

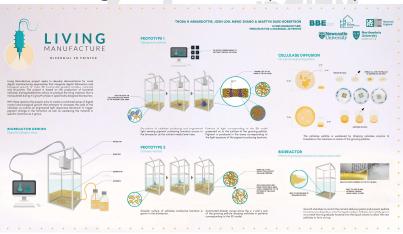






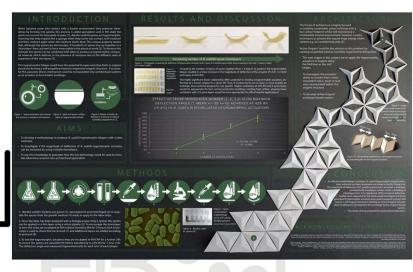


Living Manufacture (EPSRC)



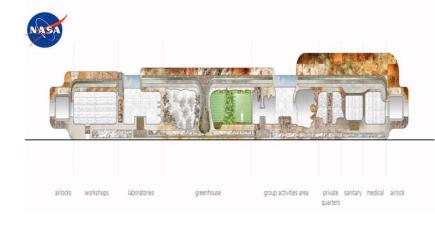


Meng Zhang Martyn Dade-Robertson

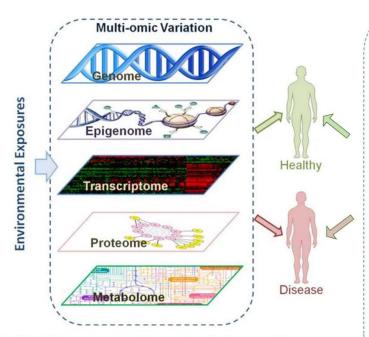


Bacteria Hygromorphs

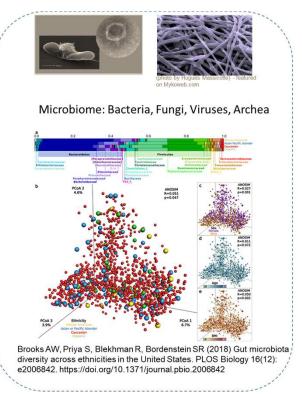
Myco Architecture Project

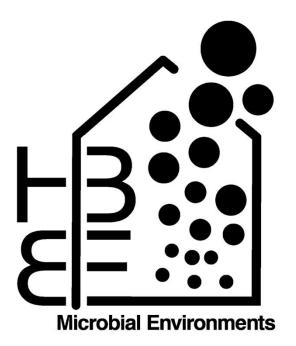






Sun YV, Hu YJ. Integrative Analysis of Multi-omics Data for Discovery and Functional Studies of Complex Human Diseases. *Adv Genet.* 2016;93:147–190. doi:10.1016/bs.adgen.2015.11.004





Darren Smith

Talents and facilities

- 70+ Researchers and support staff
- World leading facilities























HBBE Advisory
Board Panel
Members and
Industrial
Partners

FAULKNERBROWNS ARCHITECTS











RIBA











Thank You!



