

EAA – Bioengineering - Bread Making



The Bioengineering Area Activity introduces a range of systems, questions and experimental techniques encountered in bioengineering, from enzyme biochemistry to the mechanical characterisation of biological systems. The overarching theme is bread making, which corresponds to one of the oldest forms of biotechnology, although the student will develop a fresh understanding of the underlying biochemical and biophysical aspects.

Objectives:

Students will become familiar with the following aspects:

- 1) Light absorption measurements. Application to enzyme kinematics
- 2) Culture and observation of unicellular organisms. Microscopy, cell counting, quantification of cell metabolism.
- 3) Handling and mechanical characterisation of soft systems.

More [information](#) on the EfLS website.

Contact: Dr. A.J. Kabla (ajk61@cam.ac.uk)