The EPSRC Centre for Doctoral Training in Emergent Macromolecular Therapies (http://www.ucl.ac.uk/biochemeng/research/epsrc-cdt) invites applications to host PhD projects starting in October 2017.

PhD students can be based at any UK HEI and at least 65% are intended to be based outside of UCL. However, all projects require an active collaboration with an academic at the Department of Biochemical Engineering at UCL. Researchers will undertake 14 weeks of taught training of core modules as part of a cohort and participate in Centre events, while an additional 4 weeks of taught training in relevant subjects at any HEI is also required.

While we will consider any proposals for the processing of biopharmaceuticals that align with the Centre for Innovative Manufacturing, priority will be given to proposals that address the CDT’s new strategic focus on targeted biological medicines. High priority will be given to strong proposals that address the following topics:

- Decision-support software tools and algorithms to support production planning, portfolio management and supply chain management for targeted medicines
- Manufacturing process, analysis and control innovations that will potentially lead to lower cost of goods, or improved process control for products targeted to stratified populations
- Process, design, composition and analytical innovations addressing challenges associated with the formulation of stratified protein medicines
- Process, design, control and analytical innovations for T-cell manufacturing

The deadline for the application form is 16th December 2016. Investigators from outside UCL are expected to discuss their proposal before submission with a collaborating academic at the Department of Biochemical Engineering at UCL. While not a requirement, increased priority will be given to projects for which co-funding (25-50%) is obtained, as this would maximise the impact of the CDT.

Applications will be considered by a review panel in January 2017 with the aim of making immediate decisions and announcements to supervisors after that.

Completed applications should be emailed to Prof. Paul Dalby P.Dalby@ucl.ac.uk