Call for PhD project proposals, to start in October 2018.

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 2018.

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 12 weeks of taught training of core modules as part of a cohort and participate in Centre events, while an additional 6 weeks of taught training in relevant subjects at any HEI is also required.

We will consider any proposals for the processing of biopharmaceuticals and cells, that align with the remit of the Centre for Innovative Manufacturing in Emergent Macromolecular Therapies: http://www.ucl.ac.uk/biochemeng/research/archived-research/epsrc-centre

High priority will also be given to strong proposals that address the following topics:

- Novel molecular entity manufacturing challenges (eg difficult to express)
- Novel entity and/or complex formulations
- Analytical methods for bioprocessing and complex formulations
- Whole bioprocess modelling
- CHO cell engineering and/or transient expression systems
- Novel DSP approaches
- Continuous manufacturing
- Process design, control, analytical innovation, or formulation for CAR-T cell manufacturing
- Bedside manufacturing
- Decision-support software tools and algorithms to support production planning, portfolio management and supply chain management

The deadline for the application form is **15th December 2018**. Investigators from outside UCL are expected to discuss their proposal before submission with a collaborating academic at the Department of Biochemical Engineering at UCL. 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 2018 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