Trinity College Dublin has launched 40 fully funded PhD positions across a wide variety of disciplines. The 40 Provost’s PhD Project Awards are open to EU and Non-EU candidates and include an annual stipend of €16,000/year for four years. These doctoral awards are generously funded through alumni donations and Trinity’s Commercial Revenue Unit. #ProvostPhD

Fully funded PhD position in Physics:

A physics approach for understanding lifetime and mortality (experiments, theory and simulation)

This project, supervised by Professor Stefan Hutzler, School of Physics, Trinity College Dublin (www.tcd.ie/physics/foams), will examine mortality by combining three main strands of research:

- **Experiments using assemblies of soap films as a toy model to study ageing.** These have recently been shown to feature the characteristics of the statistics of human mortality. An infant or wear-in phase with decreasing failure-rate (mortality) is succeeded by an ageing phase which broadly follows the law of Gompertz (exponential increase of failure-rate). [Haffner, Lalieu, Richmond, Hutzler (2018) submitted to *Physica A*]

- **Analysis of empirical data for human ageing**, obtained from TILDA (The Irish Longitudinal Study on Ageing, TCD), with the collaborators Dr. Daniel Carey and Prof. Rose Anne Kenny.

- **Theoretical modelling** of ageing (features of mortality curves)

Using this three-fold approach, the aim is to deduce general system-independent aspects of ageing, informed by both theory and empirical data.

The position will fund a student for four years and will cover fees and an stipend of €16,000 per year. Funds for conference travel will also be available. The preferred start date is 3 Sept 2018.

Interested candidates should send a CV, a brief statement of research interests (max 2 pages), and the names and contact details of two individuals that have agreed to provide recommendation letters to stefan.hutzler@tcd.ie, with a subject line “Provost’s PhD Project Awards 2018”.