



PhD studentship - DNA replication/Cell cycle/Cancer research

Defining the roles of the human Cdc7 kinase in DNA replication and cell cycle progression

Applications are invited from outstanding and highly motivated candidates for a Science Foundation Ireland (SFI) studentship with Professor Corrado Santocanale. This studentship will start as soon as possible and it will be based in the Molecular Medicine Laboratory at the National Centre for Biomedical Engineering Science (NCBES), National University of Ireland, Galway, Ireland.

The project will investigate the role of Cdc7 kinase in human cells. Cdc7 kinase is a key regulator of DNA replication and cell cycle progression and its inhibition is emerging as a novel strategy for the treatment of human cancer. In particular this project will aim to define the different roles played by the two cellular Cdc7 complexes, Cdc7/Dbf4 and Cdc7/Drf1, by identifying novel interacting partners and substrates and by defining their reciprocal cellular localization.

The student will master multiple techniques in Molecular and Cellular Biology, Analytical Biochemistry and Mass Spectrometry. S/He will conduct her/his research in an international and multidisciplinary environment at the forefront of basic and translational cancer research.

The studentship is aligned with SFI guidelines and registration fees are also covered.

Applications from honour degree students in a relevant discipline will be received until Friday **27th May 2011** by email to Ms Triona Quinn (triona.quinn@nuigalway.ie).

Please include a full CV with contact details of two academic supervisors and indicate PhD-DNA replication 2011 in the subject of the email.

For informal enquiries please contact Prof. Corrado Santocanale
Tel. + 353 (0)91 49 5174. Email: corrado.santocanale@nuigalway.ie

More information at:

<http://ncbes.nuigalway.ie/bio/corrado-santocanale.aspx>

<http://www.chromosome.ie/ccb/santocanale/index.html>

