



OLLSCOIL NA GAILLIMHĒ  
UNIVERSITY OF GALWAY



HR EXCELLENCE IN RESEARCH

## Postdoctoral Researcher and PhD scholarship DNA replication / Genome stability / Cancer research

Are you driven by a passion for fundamental biology and eager to make contributions to basic cancer research? Explore new frontiers at the [Centre for Chromosome Biology](#) in University of Galway, Ireland. We invite applications for a Postdoctoral position and a PhD scholarship funded by Science Foundation Ireland (SFI) in the Molecular Medicine laboratory of Prof. Santocanale.

Our group studies the mechanisms that regulate genome duplication in human cells, with particular emphasis on the Cell Division Cycle 7 kinase (CDC7), and how these mechanisms can be hacked to tackle cancers. CDC7 acts as a molecular switch promoting the initiation of DNA replication at origins and controlling the processing of replication forks. We apply modern techniques of molecular genetics, cellular biology, chemical biology and genomics approaches to reveal how human cells replicate their DNA and to understand how cells respond when this process is perturbed. By exploiting chemo-genetic interactions, the projects will focus on the identification and molecular characterization of proteins which render cells vulnerable to CDC7 kinase inhibition, prioritizing those involved in fork processing, protein ubiquitylation and RNA metabolism. For more information on our research visit [www.santocanalelab.net](http://www.santocanalelab.net).

Galway is a safe and vibrant city also known as Ireland's cultural heart, hosting numerous festivals throughout the year with excellent quality of life for both young individuals and families. Galway is at the edge of Europe surrounded by natural beauty, and the gateway to the Connemara region.

**Postdoctoral Researcher:** Three-year post with possibility of extension for a further year. Salary scale €43,907- €56,202 per annum. The default position for all new public sector appointments is the 1st point of the salary scale. Applications must be submitted online at [Jobs - University of Galway](#) Ref. No. **010394**. Closing date is **17:00 (Irish Time) on 30<sup>th</sup> June 2024**. Information on how to apply can be found [here](#). Interested candidates are invited to make informal contact by email with [Prof Santocanale](#).

**PhD scholarship:** Fully funded tax-free scholarship of € 22,000 /year for four years and University fees are covered for EU citizens. The student will be enrolled in the Biochemistry structured PhD programme at the University of Galway. **To apply submit Cover Letter, Curriculum Vitae and Contact information for three references** directly to [corrado.santocanale@universityofgalway.ie](mailto:corrado.santocanale@universityofgalway.ie) indicating on the subject email "PhD in DNA replication 2024". The post is open until a suitable candidate is identified.



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