

RESEARCH STUDENTSHIP

All studentships are highly competitive, and you should ensure (and demonstrate) that there is a good match between your own qualifications and interests and those being sought for the particular studentship.

Research School where studentship will	School of Life Sciences
Studentship reference	FNS_Nanoporesequencing_GDiLevaApril25
Web link to any further information (e.g. Research	https://www.keele.ac.uk/lifesci/ https://www.keele.ac.uk/lifesci/ourpeople/qianpierodileva/#pu
Research topic or field - title	Cancer biology
Research topic or field full description (or attached document).	Exploiting DNA and RNA nanopore sequencing to reveal the genetic complexity of paediatric medulloblastoma cells. Cells follow DNA instructions to make RNA and proteins. When DNA is damaged, cells can become cancerous. While we've studied faulty DNA and RNA in tumours, RNA changes in medulloblastoma—the most common paediatric brain cancer—remain poorly understood. This PhD project will apply long-read sequencing to analyse DNA and RNA from different medulloblastoma cell lines. The study aims to reveal structural and chemical alterations, helping establish workflows to identify new biomarkers and therapeutic targets for this deadly disease.
Expected start date	
Mode of attendance	Full-time
Funding support available – Fees, stipend, duration	<ul style="list-style-type: none"> • Self funded <p>Students are also provided with access to Faculty research training funds for research related expenses including - but not limited to - conference attendance, external training courses and UK fieldwork.</p>
Source of funding	Self funded
Eligibility criteria	Please see below
Terms and conditions of studentship	As per the <u>University Code of Practice</u>
Number of studentships available	

Application details	Please go to http://www.keele.ac.uk/pgresearch/studentships/ and click on the "Apply online here" button in this studentship. Please quote FNS_Nanoporesequencing_GDiLevaApril25 on your application. Please supply with your application:
Closing date for applications	Ongoing
Contact for further information and to whom applications will be sent	Dr Gianpiero Di Leva g.dileva@keele.ac.uk

Candidate profile

	Essential	Desirable
Qualifications, Experience and Skills	An undergraduate degree in Biomedical Sciences, Biology or Pharmaceutical Sciences or other cognate discipline Knowledge of Molecular biology, Genetic, Cancer biology	A postgraduate qualification in Biomedical Sciences, Bioengineering, Cancer Biology or other cognate discipline Knowledge of Molecular biology, Genetic, Cancer biology
Attitude and Personality	Effective communication (oral and written) skills, presentation and training skills Good interpersonal skills Ability to work independently and as part of a team on research programmes	

Keele University values diversity, and is committed to ensuring equality of opportunity. In support of these commitments, Keele University particularly welcomes applications from women and from individuals of black and ethnic minority backgrounds for this post. More information is available on these web pages:

<https://www.keele.ac.uk/equalitydiversity/>

<https://www.keele.ac.uk/athenaswan/> <https://www.keele.ac.uk/raceequalitycharter/disabilityconfident/>