

### 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_Developingadrugscreeningplatform_GDiLevaApril25
Web link to any further information (e.g. Research	<a href="https://www.keele.ac.uk/lifesci/">https://www.keele.ac.uk/lifesci/</a> <a href="https://www.keele.ac.uk/lifesci/ourpeople/qianpierodileva/#pu">https://www.keele.ac.uk/lifesci/ourpeople/qianpierodileva/#pu</a>
Research topic or field - title	Cancer biology
Research topic or field full description (or attached document).	<b>Developing a drug screening platform for paediatric medulloblastoma to identify drugs with anti-proliferative and anti-metastatic potentials.</b> This project aims to develop a screening platform to identify compounds that reduce growth and spread of medulloblastoma, the most common paediatric brain cancer. The student will establish a high-throughput screening system to test molecules with anti-proliferative and anti-metastatic effects. A key innovation is a 3D-printed microfluidic device that mimics the tumour microenvironment. It will model cancer cell spread through artificial cerebrospinal fluid, helping predict how medulloblastoma responds to new treatments.
Expected start date	
Mode of attendance	Full-time
Funding support available – Fees, stipend, duration	<ul style="list-style-type: none"> <li>• Self funded</li> </ul> <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 <a href="http://www.keele.ac.uk/pgresearch/studentships/">http://www.keele.ac.uk/pgresearch/studentships/</a> and click on the "Apply online here" button in this studentship. Please quote FNS_Developingadrugscreeningplatform_GDiLevaApril25 on your application.
Closing date for applications	Ongoing
Contact for further information and to whom applications will be sent	Dr Gianpiero Di Leva <a href="mailto:g.dileva@keele.ac.uk">g.dileva@keele.ac.uk</a>

### Candidate profile

	Essential	Desirable
<b>Qualifications, Experience and Skills</b>	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
<b>Attitude and Personality</b>	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/>