## Supervisory team Dr Steven Coles, Dr Amy Cherry, Dr Joanne Whittaker

....

Director of Studies: Dr Amy Cherry, Worcester Biomedical Research Group (WBRG) School of Science and the Environment

\*\*\*

.

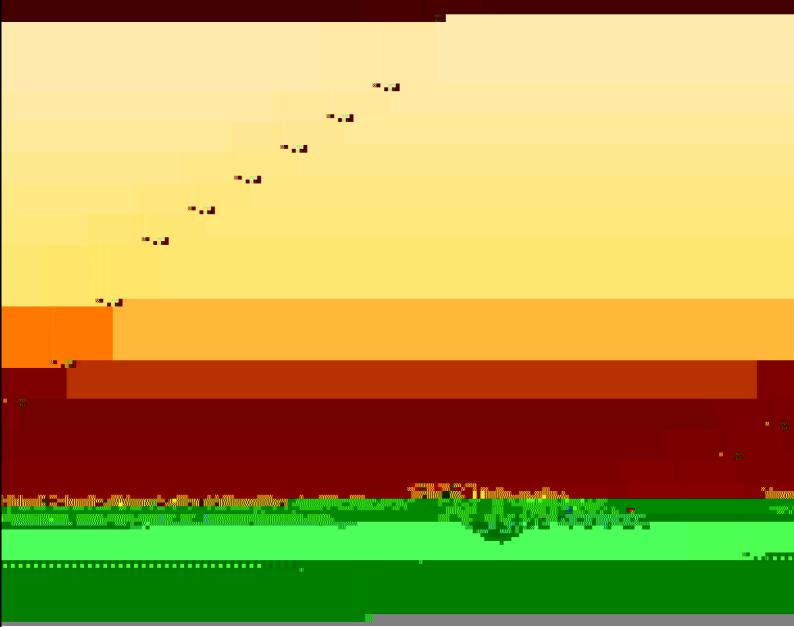
.....



References

Mayers, J. R. & Vander Heiden, M. G. BCAT1 defines gliomas by IDH status. *Nat.* Med 19, 816–817 (2013).

- Xu, M. et al. BCAT1 promotes tumor cell migration and invasion
- TSENG, Y. H. *et al.* Curcumin induces apoptosis by inhibiting BCAT1 expression and mTOR signaling in cytarabine-resistant myeloid leukemia cells. *Mol Med Rep* 24, (2021).
- Zhu, W., Shao, Y. & Peng, Y. MicroRNA-218 inhibits tumor growth and increases chemosensitivity to CDDP treatment by targeting BCAT1 in prostate cancer. *Mol Carcinog* 56, 1570–1577 (2017).
- 5. Hillier, J. *et al.* The BCAT1 CXXC Motif Provides Protection against ROS in Acute Myeloid Leukaemia Cells. *Antioxidants* **11**, 683 (2022).
- 6. Hole, P. S. *et al.* Overproduction of NOX-derived ROS in AML promotes proliferation and is associated with defective oxidative stress signaling. *Blood* **122**, 3322 3330 (2013).
- 7. Trombetti, S. et al. Oxre9 630..91 TmET@0Bier, J.



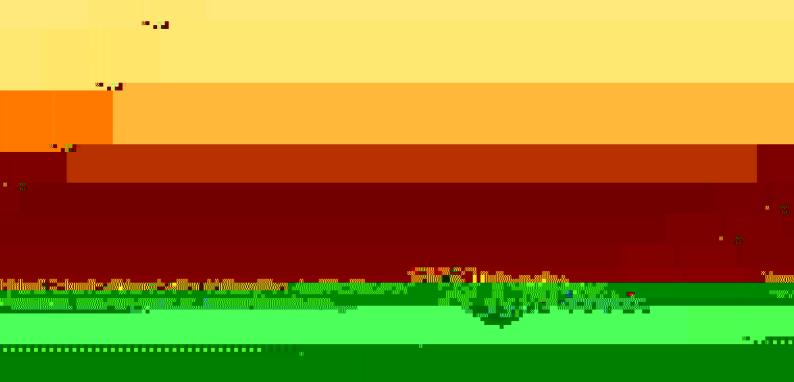
During your PhD you can access the Research Student Support Scheme to support dissemination costs associated with your research, up to £500 a year.

Research at the University of Worcester Research in everything th

we do. We are committed to delivering excellent research which extends the

better health outcomes, improving food security, developing environmentally sustainable solutions for crop production and socially sustainable solutions to our ageing population, enhancing public knowledge and understanding of the past and present.

The University hence focuses its research around five high-level challenges facing society, locally, nationally and globally



Worcester Biomedical Research Group

Biomedical Research Group (WBRG) aims to promote multidisciplinary Biomedical Science research at the University of Worcester and fosters collaborations between staff (cross-institute), students and local health / industrial organisations.

Building sustainable societies through research into disease prevention, medical treatment and diagnostics, lies at the heart of the WBRG research ethos. We aim to achieve this goal through basic and translational Biomedical Research with particular focus on cancer, cardiovascular disease and neurodegeneration.

## Widening Participation

×= \_ \_

h**ilen: Selendes/Adorotsellen då Denviller s**ig Anne park, som Ange<mark>gener at Anne ditertik</mark>t.

...........

As part of its mission statement the University is committed to widening participation for its higher degrees. Although most candidates will have an undergraduate and/or a Masters degree, the University is happy to accept applications from candidates with relevant professional qualifications and work related experience.