



University of
Nottingham

UK | CHINA | MALAYSIA

A large, high-resolution image of the Earth as seen from space, showing the curvature of the planet and the blue oceans. The image is framed by a thin white border.

School Of Pharmacy DTP projects

Dr Catherine Jopling
Director of PGR Studies



PhDs in the School of Pharmacy

REF2021 results (joint with Health Sciences and Medicine).

- 96% of our research is world-leading or internationally excellent.
- Our research environment is 100% world-leading.

Very broad, multidisciplinary research

- Lots of interactions with other research groups and Schools
- Very wide range of technical approaches in use, well equipped lab space across 3 buildings

Supportive environment for PGR students

- Regular socials, seminar programme, careers day
- Diverse community, lots of different PhD programmes





Biological projects

Effect of the extracellular matrix on metabolite regulation and distribution in primary human macrophages

Supervisor: Anna Piccinini

Mapping adenosine receptor interactomes in human cells utilising NanoBRET protein-protein interaction & CRISPR/Cas9 mediated proximity proteomics.

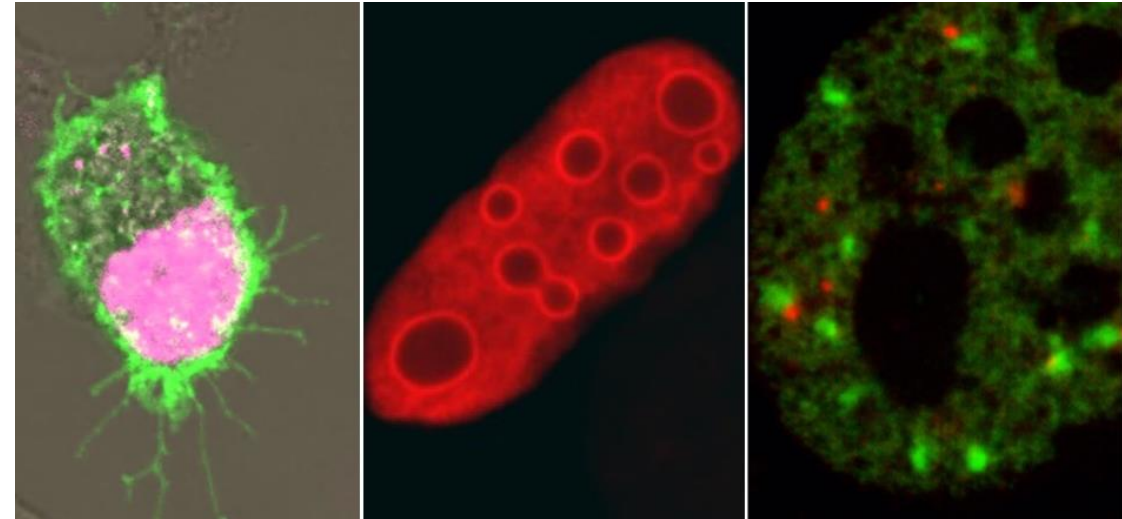
Supervisor: Laura Kilpatrick

CRISPR generated models of Human KAT6 Syndromes : Can we restore function?

Supervisor: David Heery

Reconstitution of mRNA deadenylation by components of the microRNA repression machinery

Supervisor: Sebastiaan Winkler



Exploring the interplay of miRNA, circular RNA and long non coding RNA with the transcriptional regulators KAT6A and KAT6B

Supervisor: Hilary Collins



Drug delivery projects

Physiology, pathology and drug delivery opportunities associated with the lymphatic system of the rectum in animals and humans

Supervisor: Pavel Gershkovich

Exploring the bio-instructive properties of glycosaminoglycans

Supervisor: Andrew Hook

The exploration of brain-penetrant analogues of cannabidiol (CBD) for enhanced targeting of treatment-resistant cancers.

Supervisor: Shailesh Mistry

Investigating the Anti-Inflammatory Effects of Celecoxib and Loxoprofen in Glioblastoma (GBM) with and without Bio-Nanoantennae Electrical Stimulation. Glioblastoma (GBM) is a highly aggressive and inflammatory brain cancer with limited treatment options

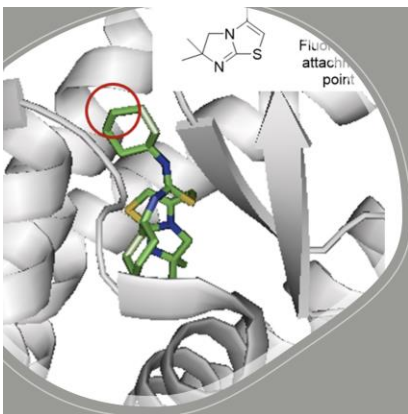
Supervisor: Frankie Rawson



Chemistry projects

Design and development of allosteric modulators for human beta-adrenoceptors

Supervisor: Prof Barrie Kellam



Deciphering the functional solution structure and structure-activity profile of the macrocyclic antibiotic zelkovamycin

Supervisor: Prof Weng Chan

Synthesis of fluorescently labelling ligands for the atypical chemokine receptor 3 (ACKR3)

Supervisor: Luke Steven Schembri



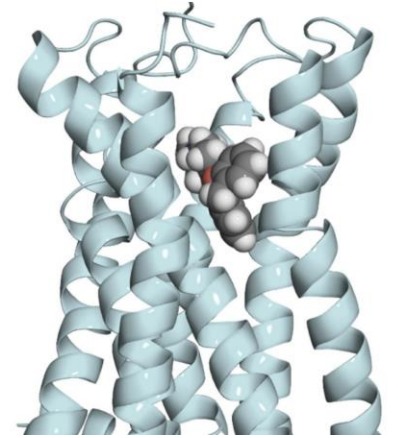
Computational and structural projects

Deubiquitinase structure determination for drug design

Supervisor: Jonas Emsley

Telling tails: using computer-based approaches to understand the roles poly(A) tails in gene expression.

Supervisor: Keith Spriggs



Design and development of Gi peptide biosensors for the interrogation of signal transduction processes in G protein-coupled receptors (GPCRs).

Supervisor: Charlie Laughton