

Glycogen Ubiquitination

The Problem

- Glycogen metabolism is the process by which the body stores and releases glucose to maintain energy.
- Dysfunction of glycogen metabolism is central to a range of different disease settings such as diabetes, obesity, metabolic dysfunction-associated steatohepatitis and glycogen-storage diseases.
- Glycogen metabolism has not been targeted therapeutically.

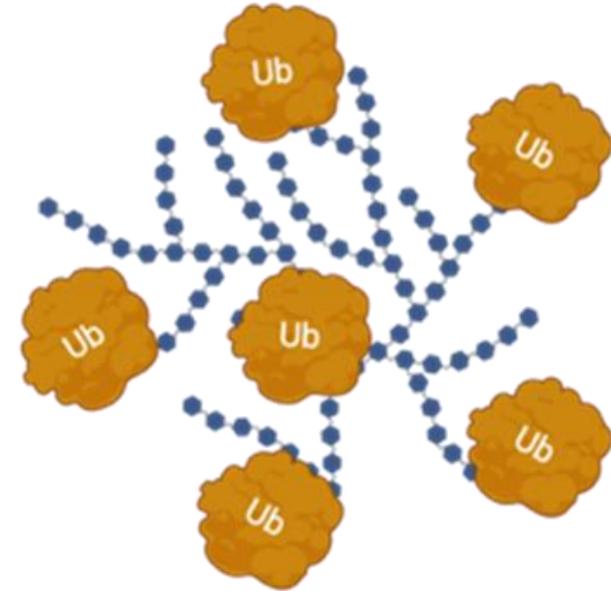
The Solution

- We have shown that ubiquitin is attached to glycogen in cells and tissues opening new opportunities for modulating glycogen metabolism.
- We are developing methodologies for targeting and modulating glycogen metabolism.
- We have developed a technology that allows, for the first time, direct detection of ubiquitinated glycogen.

Our Program

- Progress: We have identified suitable cell lines to conduct *in vitro* experiments and, using our proprietary methodology and assessing levels of glycogen and ubiquitinated glycogen to interrogate its function

We are **seeking advice and investment** to advance this drug discovery program.



Our Team

Prof. David Komander, Ubiquitin signalling
Dr. Simon Cobbold, Mass spectroscopy
Dr. Marco Jochem, Ubiquitin biology

Victoria Jameson, PhD, Business Development
Jameson.v@wehi.edu.au