

In consultation with Network Investigators and GlycoNet Committees and Boards, the following Cycle II research gaps have been identified. Applications that address at least one of the listed gaps are of particular interest. Applications must also align with the research themes outlined in the Request for Proposal.

Cycle II Research Gaps

- Medicinal chemistry optimization of hits identified in high-throughput screens in GlycoNet Cycle 1 projects
- Health economics analysis of glycomics-based therapeutics
- Glycomics-based approaches to improved protein therapeutics and biologics
- The role of glycans in immunology, including both innate and adaptive immunity
- Assembly, use, and immunological aspects of glycans in the gut microbiome and impact on health
- Role of glycans in animal health and welfare
- Clinical advancement of glycomics-based projects via the formation of partnerships