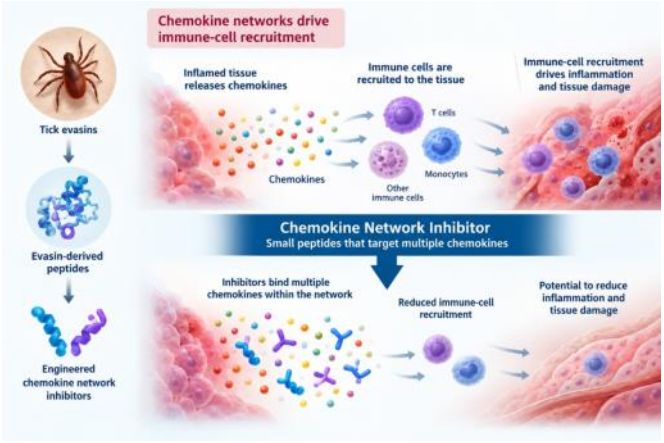
PROJECT NUMBER

**20047**

# Chemokine network inhibitor platform: The network is the target

Inspired by evasins, naturally occurring tick proteins that bind and neutralise multiple chemokines, Oxford researchers have developed a peptide engineering platform that selectively targets and neutralises multiple chemokines, offering a new approach to modulating inflammatory signalling.

**Applications:** Cardiovascular inflammation, atherosclerosis, type 1 diabetes and other immune-mediated inflammatory diseases




| Features | Benefits |
|---|---|
| Targets multiple chemokines within disease-relevant networks | Addresses the functional redundancy of the chemokine system |
| Inspired by tick-derived evasins | Exploits a naturally evolved mechanism for binding and neutralising multiple chemokines |
| Engineered peptide inhibitorsEngineered peptide inhibitors | Enables generation of candidates with defined chemokine-network selectivity |

| Features | Benefits |
| --- | --- |
| Network-level discovery and optimisation | Provides a reusable platform for developing and refining inhibitors for different inflammatory indications |
| Lead candidates with complementary activity profiles | Enables development of broader or more selective approaches to modulating immune-cell recruitment, including the lead candidates TRAFITIDE and LEUFITIDE |
| Modular therapeutic platform | Provides opportunities to optimise pharmacokinetics, stability and tissue localisation while preserving chemokine-network selectivity |
| Protected intellectual property | Peptide candidates protected under patent application WO 2024/003555 |

## Patented and Available for

- Co-development
- Consulting
- Licensing

To find out more, contact enquiries@innovation.ox.ac.uk and quote the project number.

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