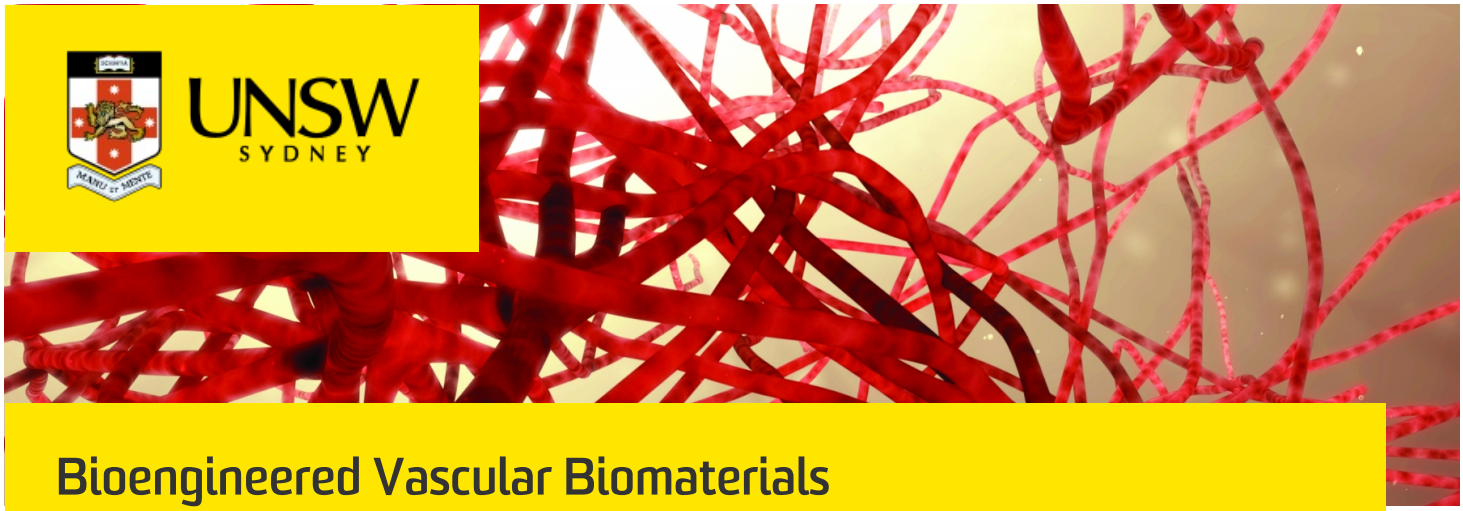

Bioengineered Vascular Biomaterials

A leading capability in the development of biomaterials functionalised with biological signalling molecules for blood vessel repair and regeneration, for therapeutic application.

Competitive advantage

Fundamental and multidisciplinary expertise in:

- Synthetic and natural biomaterials
- Blood vessel cell surface and extracellular matrix molecules
- Recombinant protein expression
- Biochemical, biophysical and cell-based functional assays
- In vivo models

Impact

- Developing next generation biomaterials that interface with the body to direct blood vessel and tissue repair

Successful outcomes

- IP portfolio in methods to produce signalling molecules
- Preclinical testing for novel vascular graft coating
- Preclinical testing for diabetic wound healing
- Coatings for prolonged platelet storage

Capabilities and facilities

- State-of-the-art preclinical biomaterial and biological molecule development and testing laboratories encompassing in vitro and in vivo analyses

Our partners

- Synedgen Inc
- TriCol Biomedical
- Diabetes Australia
- Australian Red Cross Blood Service

More Information

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