

## PhD and Masters Projects in Stent optimisation

During the course of this PhD the successful candidate will undertake a range of computational and experimental testing to develop the next generation of stent designs and study their best implant strategies.

Stents are commonly used small scaffolding mesh wire devices to open blocked arteries and restore blood circulation to the heart, preventing heart attacks. The work promises to improve the lives of more than 2 million stent patients each year world-wide.

The candidate should have a strong fluid mechanics and mechanical engineering background, 3D printing experience and ideally an understanding of and passion for vascular mechanics.

You will be part of an international, dynamic and thriving team across New Zealand and Australia, which values collaboration, inclusivity and excellence. Weekly group and individual meetings will allow you to excel in your work. For more details see [www.svmgroup.org](http://www.svmgroup.org) and [www.coronaryatlas.org](http://www.coronaryatlas.org).

