

POST 
GRADUATE
WEBINARS



Masters in Bioengineering

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Thursday 26 July

What I'll be covering

- Why do a Masters of Bioengineering?
- What is it like to do a Masters of Bioengineering?
- Where would it take me?
- What should I be prepared to do during the programme?

Questions
about
application?

A woman's face is framed by a glowing white ring in the center of the image. The scene is dimly lit with a blue-green hue. To the left, two computer monitors are visible; the one in the foreground shows a diagram of human lungs. In the background, a man with a beard is looking towards the camera. The room appears to be a laboratory or a control room with various pieces of equipment and a poster on the wall.

<https://youtu.be/xVMm4W2XUq0>

Bioengineering

"...the application of engineering principles, practices, and technologies to the fields of medicine and biology especially in solving problems and improving care..."

-Merriam Webster

*"In many ways, **bioengineering** is moving faster than computing."*

-WIRED, 4 June 2018

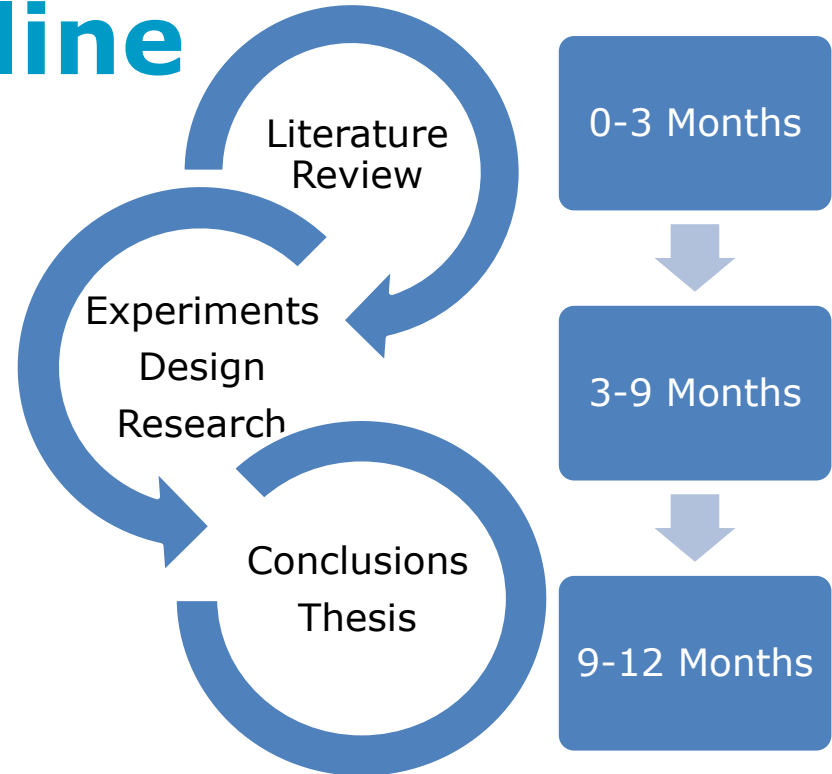
PHYSIOLOGY

INSTRUMENTATION

MODELLING

Masters: Timeline

- 12 Months
- Limited Scale
- Well-Defined Problem



Whitesides, G. M. (2004). Whitesides' Group: Writing a paper.

Advanced Materials, 16(15 SPEC. ISS.), 1375–1377.

<https://doi.org/10.1002/adma.20040076>

Masters: People

Supervisor:
Your Guide
and Advisor

Supervisor

Admin:
Your Support
and Inspector

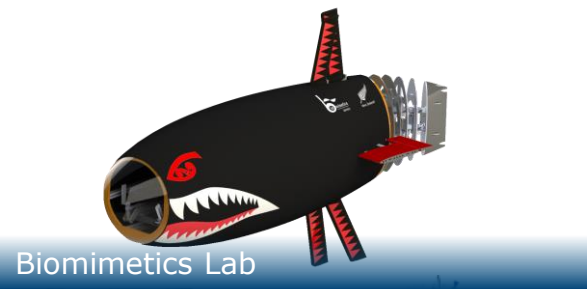
You:
The Driving Force

You

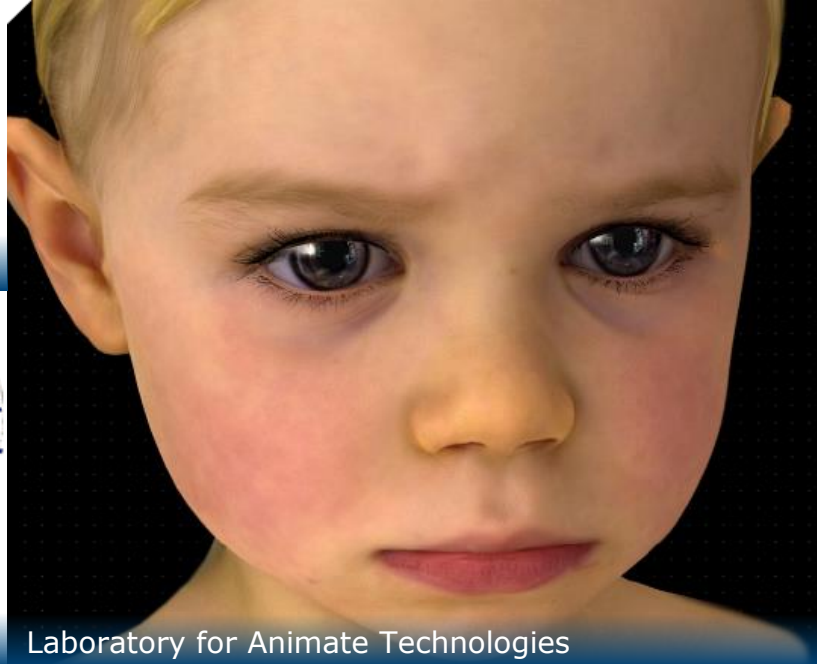
Admin



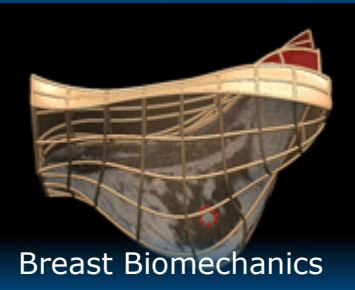
Augmented Human Lab



Biomimetics Lab



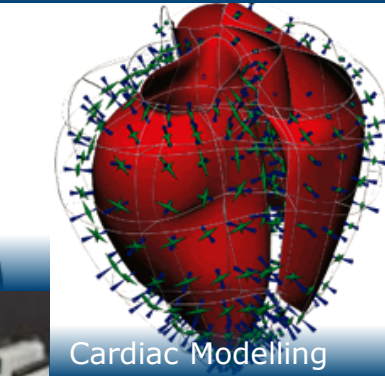
Laboratory for Animate Technologies



Breast Biomechanics



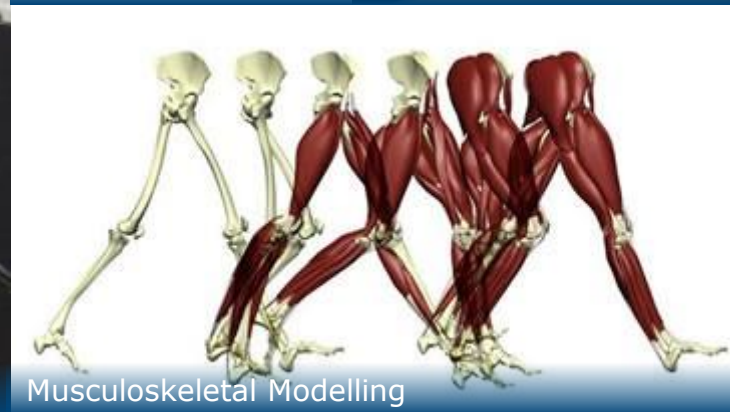
Gastrointestinal



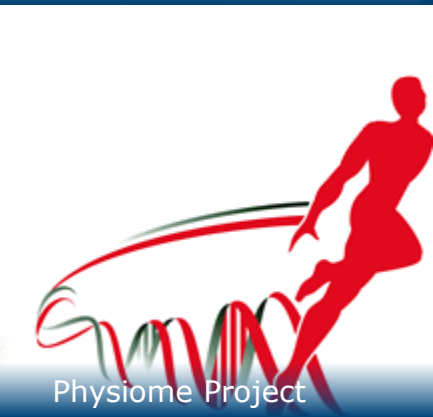
Cardiac Modelling



Bioinstrumentation



Musculoskeletal Modelling



Physiome Project

Why?

- Taste of Research
- Experience
- Competitive Edge
- Entrepreneurship



Finance

- Domestic Candidates
- Scholarships
- Grant Funding



POST GRADUATE WEBINARS



THE UNIVERSITY OF
AUCKLAND
Te Whare Wananga o Tamaki Makaurau
NEW ZEALAND

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Projects:

<http://www.abi.auckland.ac.nz/en/about/research-opportunities/phd-masters-projects.html>

Applications / More Information:

<https://www.auckland.ac.nz/en/study/study-options/find-a-study-option/master-of-engineering-me.html>