POST GRADUATE WEBINARS

THE UNIVERSITY OF AUCKLAND
Te Whare Wānanga o Tāmaki Makaurau
NEW ZEALAND

Masters in Bioengineering

Duncan Bakke, Auckland Bioengineering Institute

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?


https://youtu.be/xVMm4W2XUq0

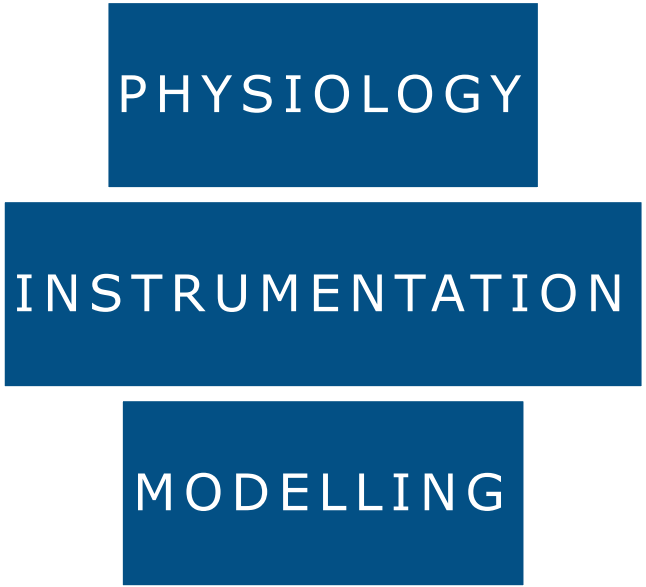
Bioengineering

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

-Merriam Webster

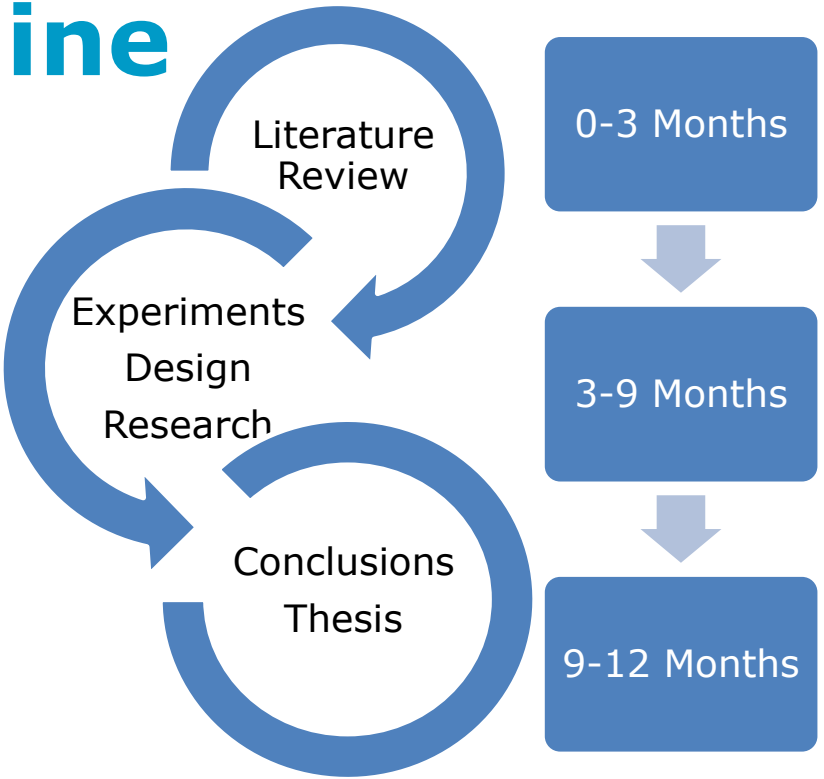
"In many ways, bioengineering is moving faster than computing."

-WIRED, 4 June 2018



Masters: Timeline

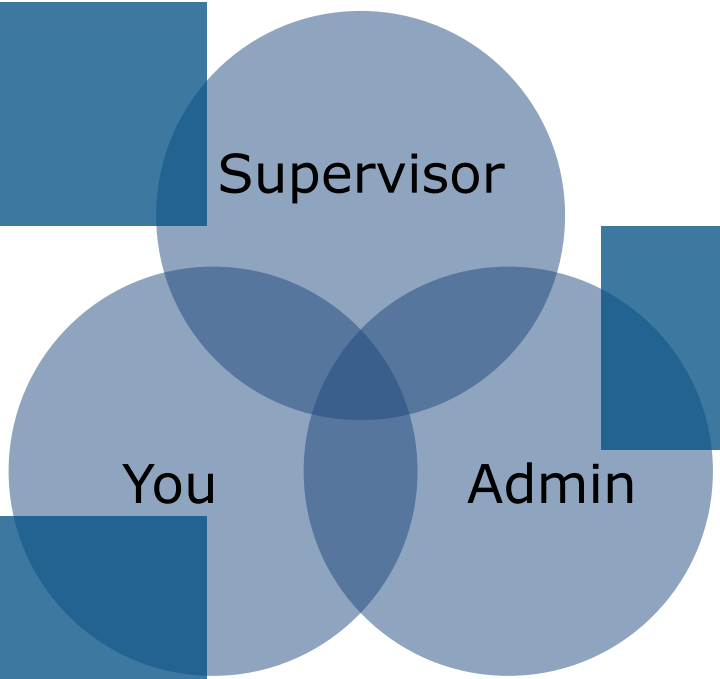
- 12 Months
- Limited Scale
- Well-Defined Problem



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

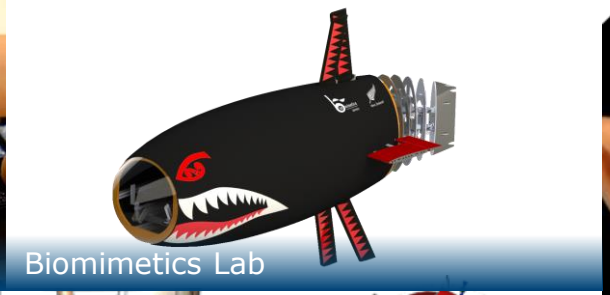
Supervisor:
Your Guide
and Advisor

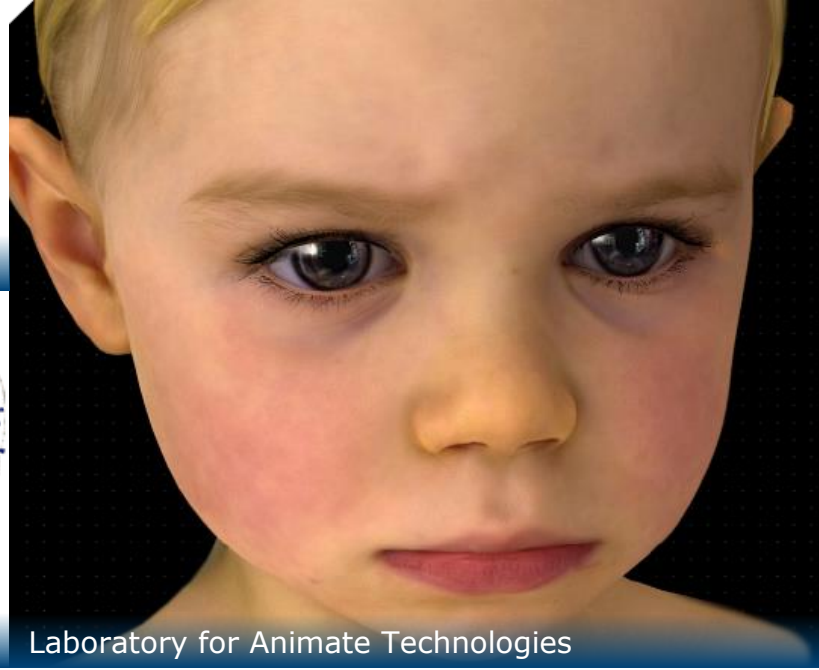


Admin:
Your Support
and Inspector

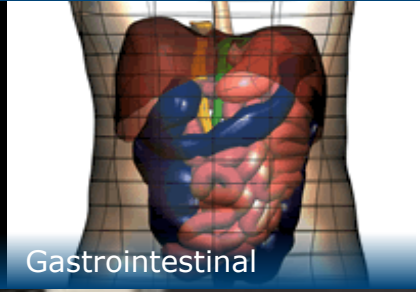
You:
The Driving Force

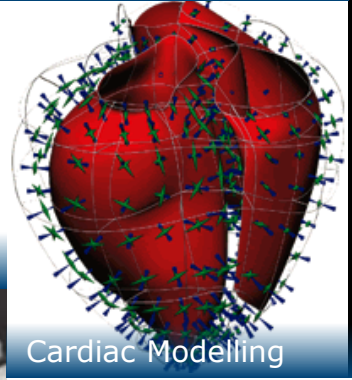

Augmented Human Lab


Biomimetics Lab

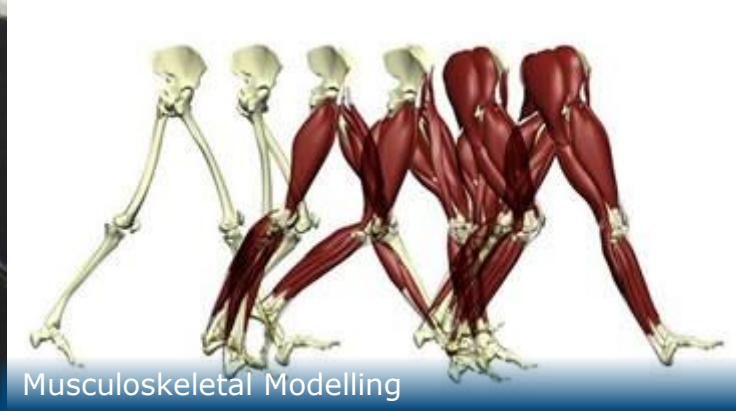

Laboratory for Animate Technologies


Breast Biomechanics


Gastrointestinal


Cardiac Modelling

Bioinstrumentation


Musculoskeletal Modelling


Physiome Project

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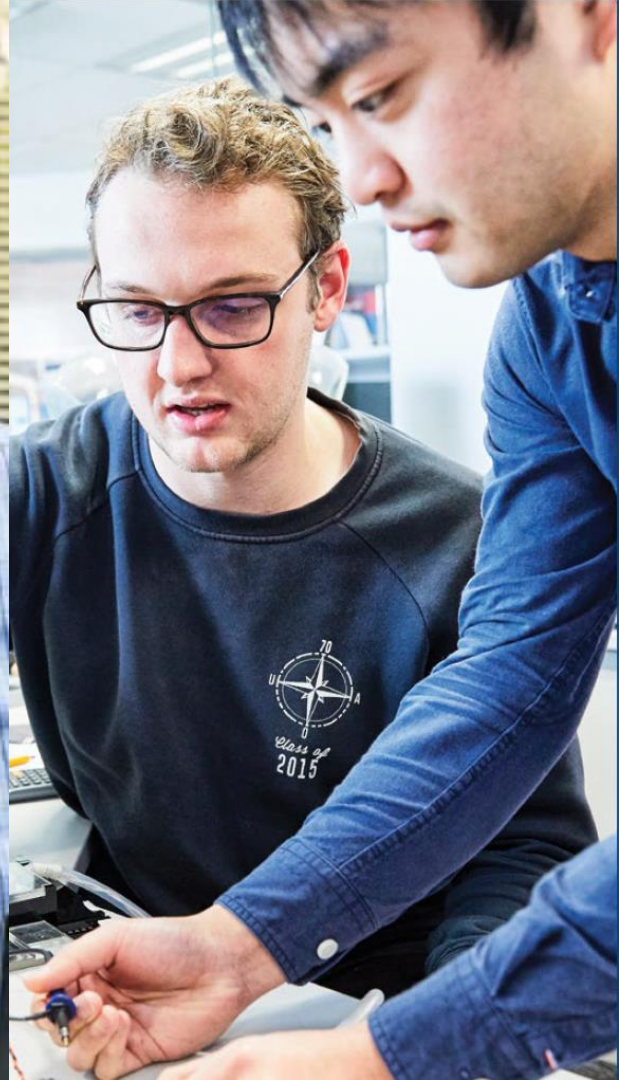
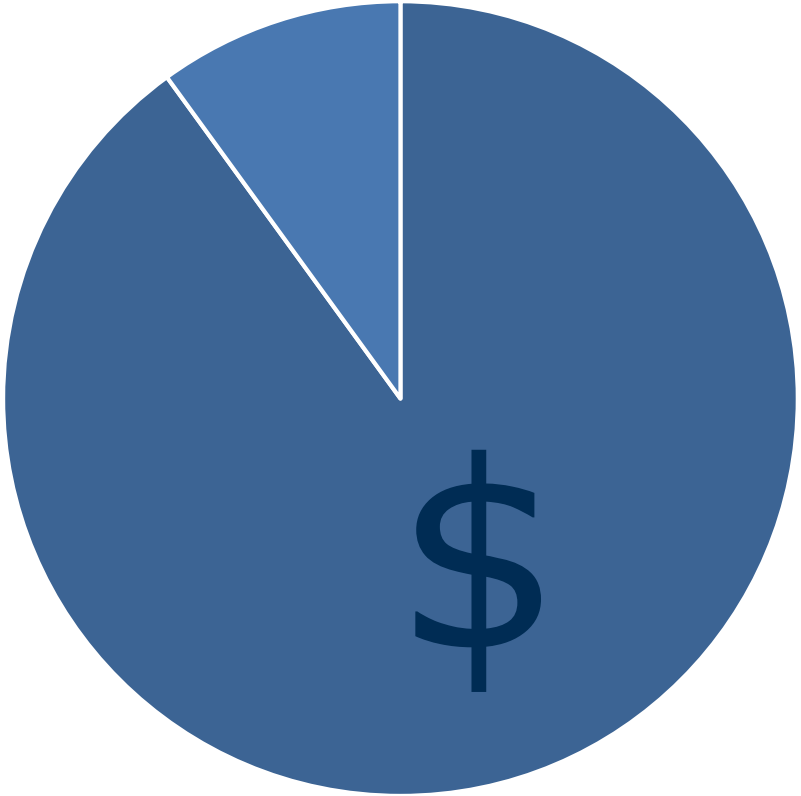
Why?

- Taste of Research
- Experience
- Competitive Edge
- Entrepreneurship



Finance

- Domestic Candidates
- Scholarships
- Grant Funding



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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