

## Hudson Institute at a glance



**296**  
STAFF



**152**  
STUDENTS



**50**  
RESEARCH  
GROUPS



**283**  
RESEARCH  
PUBLICATIONS

Hudson Institute is a leading Australian medical research institute recognised internationally for discovery science and translational research into reproductive health and pregnancy, infant and child health, inflammation, and cancer.

We are leading developments in cell therapies, paediatric cancer and the human microbiome. Our worldwide scientific and medical collaborations provide a foundation for transformative healthcare programs across the globe.

We are a founding member of the Monash Health Translation Precinct with partners Monash Health and Monash University. Our close ties with clinicians and industry give us the ability to translate our discoveries into new preventative approaches, therapies and devices for patients.

## Our students at a glance

We nurture and inspire the next generation of scientists and clinicians by educating and training more than 150 students through our academic affiliation with Monash University.



**58**  
POSTGRADUATE  
AND HONOURS  
STUDENTS  
COMPLETED



**152**  
STUDENTS  
113 PHD  
4 MASTERS  
35 HONOURS



**28**  
STUDENTS  
WITH  
MEDICAL  
TRAINING

## Student research

Honours and PhD students at Hudson Institute are trained by Australia's leading researchers. Our students

- Attend national and international conferences
- Publish their research (there were 43 student first author publications in 2019)
- Collaborate with leading researchers
- Undertake an extensive training program
- Regularly win prestigious prizes and awards
- Have opportunities to network
- Develop technical, communication and presentation skills
- Participate in an active and supportive social club, Hudson Institute Student Society (HISS).

## How to enrol

All the information you need to enrol is on our website  
**w:** [hudson.org.au/students/courses-available/](http://hudson.org.au/students/courses-available/)

## Contact supervisors any time

Students are encouraged to contact and visit supervisors in their labs any time to discuss projects. Simply email the supervisor to arrange a time.

**STEP 1:** Find a project you are interested in, either in the 2021 Postgraduate and Honours Research Projects booklet or Research Projects database.

**w:** [hudson.org.au/students/student-projects/](http://hudson.org.au/students/student-projects/)

**STEP 2:** Once you have identified a project, email the supervisor: *"I am interested in your student project. Could I please arrange a time to visit you in your lab?"*

## Connect with us

- [hudson.org.au](http://hudson.org.au)
- [HUDSONResearchAu](https://www.facebook.com/HUDSONResearchAu)
- [@Hudson\\_Research](https://twitter.com/Hudson_Research)
- [Hudson-research](https://www.linkedin.com/company/Hudson-research)
- [hudson\\_research](https://www.instagram.com/hudson_research)

## Contact us

27-31 Wright Street  
Clayton VIC 3168  
Australia  
**t:** + 61 3 8572 2700  
**e:** [info@hudson.org.au](mailto:info@hudson.org.au)  
**w:** [hudson.org.au](http://hudson.org.au)

**HUDSON**  
INSTITUTE OF MEDICAL RESEARCH



## Centre for Reproductive Health

Male Reproductive Health

Uterine Biology

Reproductive Developmental Biology

Molecular Biology of Reproduction

## Centre for Reproductive Health | Our supervisors



**Prof Kate Loveland**  
Centre Head  
Research Group Head  
Testis Development and  
Germ Cell Biology



**Prof Mark Hedger**  
Deputy Centre Head  
Research Group Head  
Endocrinology and  
Immunophysiology



**A/Prof Patrick Western**  
Research Group Head  
Germ Cell Development  
and Epigenetics



**Dr Minni Anko**  
Research Group Head  
Functional RNAomics



**Dr Robin Hobbs**  
Research Group Head  
Germline Stem Cell Biology



**Dr Tracey Edgell**  
Snr Research Scientist  
Endometrial Remodelling  
Research Group Head  
Prof Lois Salamonsen



## Reproductive health is critical for the initiation of life and throughout life

The environment during conception and pregnancy impacts an individual's health and disease risk throughout child- and adulthood. Reproductive problems including infertility, endometriosis and reproductive cancers can impair physical, mental and financial wellbeing. Researchers within the Centre for Reproductive Health

- are world-leaders in reproductive health research
- perform high-quality discovery research using the latest technologies
- translate their research into preventions, diagnostics and treatments
- publish in the world's top impact journals.

## Student first author publications

In 2019, CRH students were first authors on 4 out of 27 research publications including

- Aldahhan, RA, Stanton, PG, Ludlow, H, de Kretser DM, Hedger MP. Acute heat-treatment disrupts inhibin-related protein production and gene expression in the adult rat testis. *Mol and Cell Endocrinol* 498 (2019) 110546.

## Student prizes and awards

In 2019 our students won prestigious prizes and awards including

- Jennifer Hutchison, PhD Student. Awarded ESHRE Exchange Award for Best Scientific Paper, to present her work at ESHRE 2020 in Copenhagen
- Sarah Moody, PhD Student. Winner Hudson Institute Travel Award 2019 (\$2,500) to attend Gordon Research Conference 'Germline Stem Cell Biology, in Hong Kong, 19-24 May 2019
- Jennifer Hutchison, PhD Student. Winner CRH Travel Award 2019 (\$2,500) to attend 2020 Meeting of the Society for Reproduction and Fertility, Edinburgh UK, plus lab visits at Warwick, Edinburgh and Cambridge Universities and Imperial College, London
- Mary Mansilla, PhD Student. 1<sup>st</sup> Prize Poster Presentation – European Molecular Biology Laboratory Australia PhD Course (\$300)

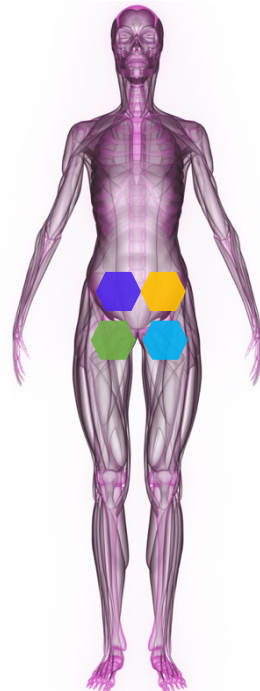
## Our research

### Male Reproductive Health

- Male factor infertility
- Male reproductive cancer
- Immunobiology in male reproductive health

### Uterine Biology

- Disorders affecting female fertility
- Endometrial receptivity



### Reproductive Developmental Biology

- Offspring health
- Environmental exposures

### Molecular Biology of Reproduction

- Germline genetics and epigenetics
- RNA biology

For more information about student projects, visit [hudson.org.au/students/student-projects/](http://hudson.org.au/students/student-projects/) and search by supervisor name or theme.