

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/

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/

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

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HUDSON
INSTITUTE OF MEDICAL RESEARCH



**Centre for
Cancer Research**

Centre for Cancer Research | Our supervisors



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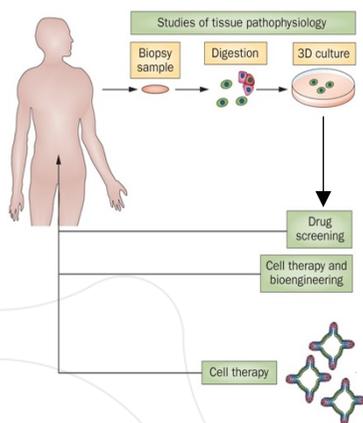
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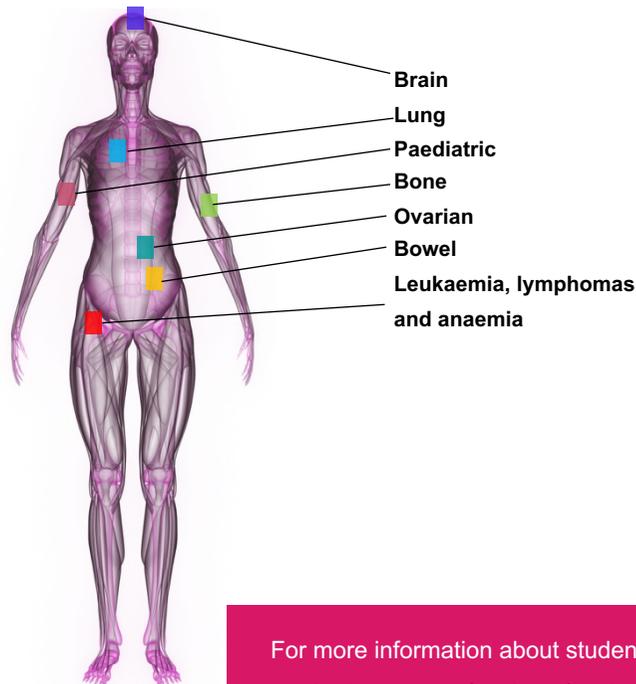
Our research

Paediatric Cancer Precision Medicine



Workflow for generating and harnessing patient derived organoids for translational research and clinical impact.

Adapted Nature Reviews, 2015



What we do

Basic and translational research. We take laboratory discoveries to patients for real-world impact. This is through the co-location of researchers with clinicians, state-of-the-art technologies and a clinical trials centre. Scientists working in the Centre for Cancer Research undertake basic research into the molecular mechanisms underlying the development, growth and metastasis of tumours, as well as the relationship between the innate immune system and cancer. The discovery and development of novel therapies for the treatment of cancers is also an important aspect of the team's work.

Student first author publications

In 2019 and early 2020, our students were first authors on the following research publications:

Amy L Wilson et al., Non-invasive fluorescent monitoring of ovarian cancer in an immunocompetent mouse model. *Cancers (Basel)*. 2019; 11(1). pii: E32.

Laura Moffitt et al., Therapeutic Targeting of Collective Invasion in Ovarian Cancer. *Int J Mol Sci*. 2019; 20(6). pii: E1466.

Wai Chin Chong et al., Lessons learned from the developmental origins of childhood renal cancer. *Anat Rec (Hoboken)*. 2019; Epub ahead of print.

Jesse Balic et al., Serine-Phosphorylated STAT3 Promotes Tumorigenesis via Modulation of RNA Polymerase Transcriptional Activity (*Cancer Res*). 2019; 79:5272-5287.

Student prizes and awards

In 2019 and early 2020, our students won prestigious prizes and awards, including:

Dilanka Fernando – 2019 AACR-Bristol-Myers Squibb Oncology Scholar-in-Training Award, from the American Association for Cancer Research (AACR)

Amelia Mathews – 2019 Monash University Jubilee Honours Scholarship

Aleks Guanizo – Lorne Cancer Conference 2019 oral presentation

Sarah Parackal – Poster Award, Lorne Cancer Conference 2020

For more information about student projects, visit hudson.org.au/students/student-projects/ and search by supervisor name or theme.