

Hudson Institute at a glance



267
STAFF



176
STUDENTS



45
RESEARCH
GROUPS



257
RESEARCH
PUBLICATIONS

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

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 170 students through our academic affiliation with Monash University.



68
POSTGRADUATE
AND HONOURS
STUDENTS
COMPLETED



176
STUDENTS
125 PHD
1 MASTERS
50 HONOURS



26
STUDENTS
WITH MEDICAL
TRAINING

Student figures for 2021

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 37 student first author publications in 2021)
- 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 2023 Postgraduate and Honours Research Projects booklet.

w: hudson.org.au/students/student-projects/

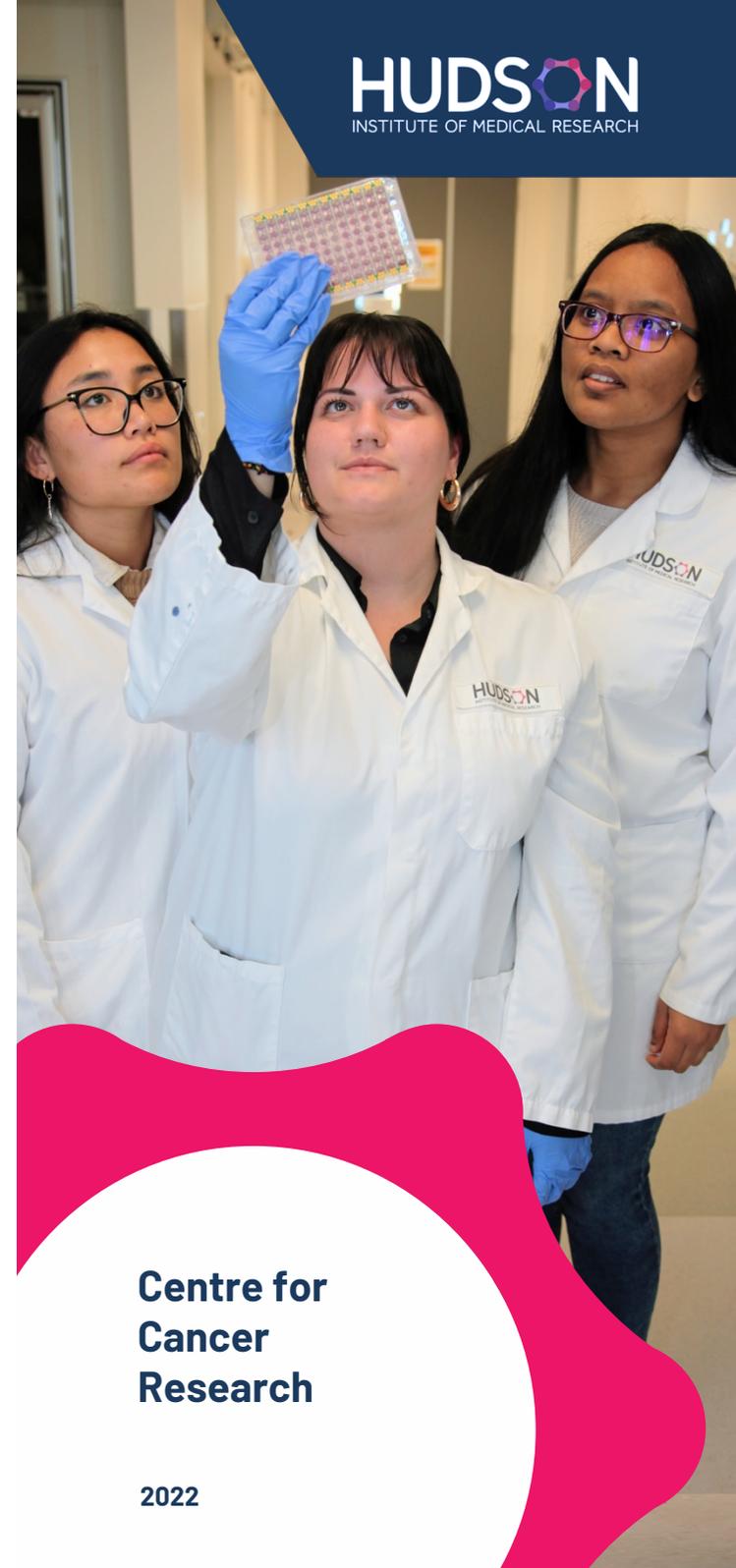
STEP 2: Once you have identified a project, email the supervisor: *"I am interested in your student project. Could I please arrange a time to visit you in your lab?"*

Connect with us

- 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)

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HUDSON
INSTITUTE OF MEDICAL RESEARCH

**Centre for
Cancer
Research**

2022

Centre for Cancer Research | Our supervisors



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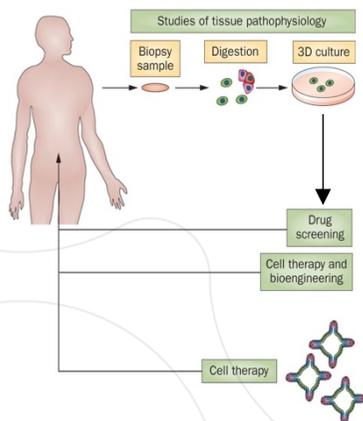
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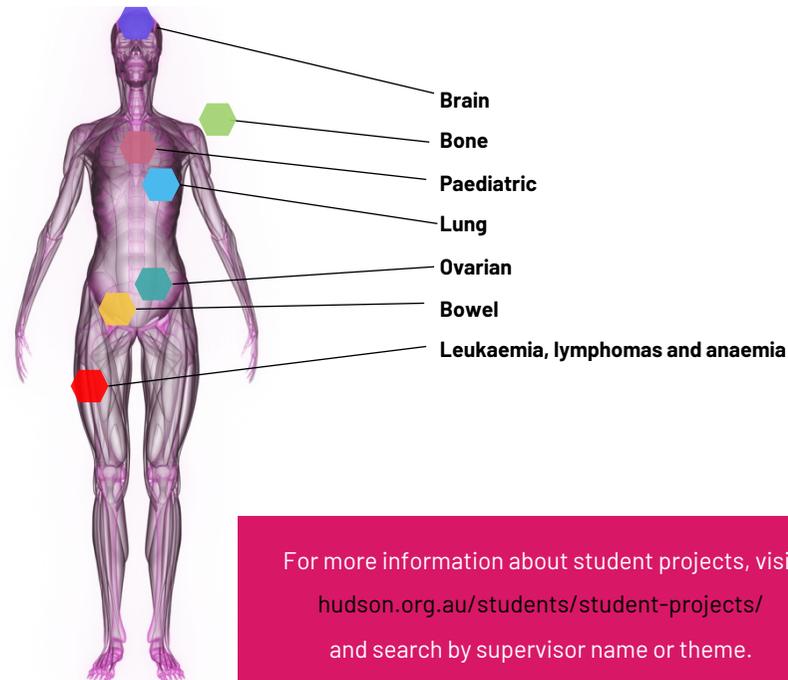
Our research

Paediatric Cancer Precision Medicine



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

Adapted Nature Reviews, 2015



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

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 2021 and early 2022, our students were first authors on the following research publications:

Wai Chin Chong et al., Atypical Teratoid Rhabdoid Tumours Are Susceptible to Panobinostat-Mediated Differentiation Therapy. *Cancers (Basel)*. 2021; 13:5145.

Wai Chin Chong et al., The complex interplay between endoplasmic reticulum stress and the NLRP3 inflammasome: a potential therapeutic target for inflammatory disorders. *Clin Transl Immunology*. 2021; 10:e1247.

Nazanin Karimnia et al., Chemoresistance is mediated by ovarian cancer leader cells in vitro. *J Exp Clin Cancer Res*. 2021; 40:276.

Sara Khan et al., Clinical phenotypes and prognostic features of embryonal tumours with multi-layered rosettes: a Rare Brain Tumor Registry study. *Lancet Child Adolesc Health*. 2021; 5:800-813.

Saleh Almasabi et al., A Potential Role for Integrin-Linked Kinase in Colorectal Cancer Growth and Progression via Regulating Senescence and Immunity. *Front Genet*. 2021; 12:638558.

Jasmine Chen et al., Lineage-restricted neoplasia driven by Myc defaults to small cell lung cancer when combined with loss of p53 and Rb in the airway epithelium. *Oncogene*. 2022; 41:138-145.

Student prizes and awards

In 2021 and early 2022, our students won prestigious prizes and awards, including:

Brittany Doran – Jock Findlay Honours Award 2020, Hudson Institute