

Hudson Institute at-a-glance



281
STAFF



176
STUDENTS



42
RESEARCH
GROUPS



250
RESEARCH
PUBLICATIONS

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

Hudson Institute is 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.

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.



66
POSTGRADUATE
AND HONOURS
STUDENTS
COMPLETED



176
STUDENTS
126 PHD
4 MASTERS
46 HONOURS



47
STUDENTS
WITH MEDICAL
TRAINING

Student figures, 2022

Student research

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

Our students

- Are exposed to a unique collaborative environment involving leading researchers, clinicians and industry partners
- Undertake an extensive training program
- Develop life-long technical, communication and presentation skills
- Have access to world class research facilities
- Obtain a degree from Monash University – in top 50 globally
- Attend national and international conferences
- Publish their research (41 student first-author publications in 2022)
- Win prestigious prizes and awards
- 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 in the 2024 Postgraduate and Honours Research Projects booklet that you are interested in.

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?"

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Contact us

27-31 Wright Street
Clayton VIC 3168 Australia
t: + 61 3 8572 2700
e: info@hudson.org.au
w: hudson.org.au

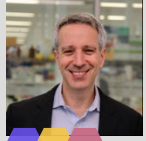
HUDSON
INSTITUTE OF MEDICAL RESEARCH



**Centre for
Cancer
Research**

2024

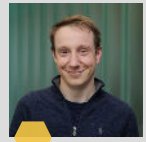
Centre for Cancer Research | Our supervisors



Prof Ron Firestein
Centre Head / Research Group Head
Cancer Genetics and Functional Genomics; Next Generation Precision Medicine program
ron.firestein@hudson.org.au



Dr Chunhua Wan
Postdoctoral Scientist
Cancer Genetics and Functional Genomics
chunhua.wan@monash.edu



Dr Marius Dannappel
Postdoctoral Scientist
Cancer Genetics and Functional Genomics
marius.dannappel@hudson.org.au



Dr Claire Sun
Bioinformatician
Next Generation Precision Medicine program
claire.sun@hudson.org.au



A/Prof Daniel Gough
Research Group Head
STAT Cancer Biology
daniel.gough@hudson.org.au



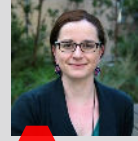
Dr Andrew Stephens
Research Group Head
Ovarian Cancer Biomarkers
andrew.n.stephens@hudson.org.au



Dr Maree Bilandzic
Research Scientist
Ovarian Cancer Biomarkers
maree.bilandzic@hudson.org.au



Dr Wilson Wong
Research Group Head
Structural Biology of Inflammation and Cancer
wilson.wong@hudson.org.au



Dr Catherine Carmichael
Research Group Head
Leukaemia Modelling and Therapeutic Discovery
catherine.carmichael@hudson.org.au



Dr Jason Cain
Research Group Head
Developmental and Cancer Biology
jason.cain@hudson.org.au



Dr Jim Vadolas
Research Group Head
Immunohaematology
jim.vadolas@hudson.org.au

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

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(1):138-145.

Saleh Almasabi et al., Integrin-Linked Kinase Expression Characterizes the Immunosuppressive Tumor Microenvironment in Colorectal Cancer and Regulates PD-L1 Expression and Immune Cell Cytotoxicity. *Front Oncol*. 2022 12:836005.

Student prizes and awards

In 2022 and early 2023, our students won prestigious prizes and awards, including:

Shaye Game – Winner, Junior Category, School of Clinical Sciences Three Minute Thesis Round 2 competition, 2022

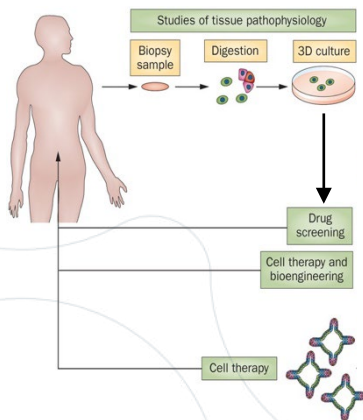
Danxi Zhu – Awarded 2022 Hudson PhD Publication Award for best Discovery Paper

Natasha Mitchell – Awarded 2022 Jock Findlay Honours Award – BSc (Hons) for highest-ranking Hudson student in each Honours course

Brittany Doran – Accepted into the Industry Mentoring Network in STEM (IMNIS) 12 month industry-placement internship program

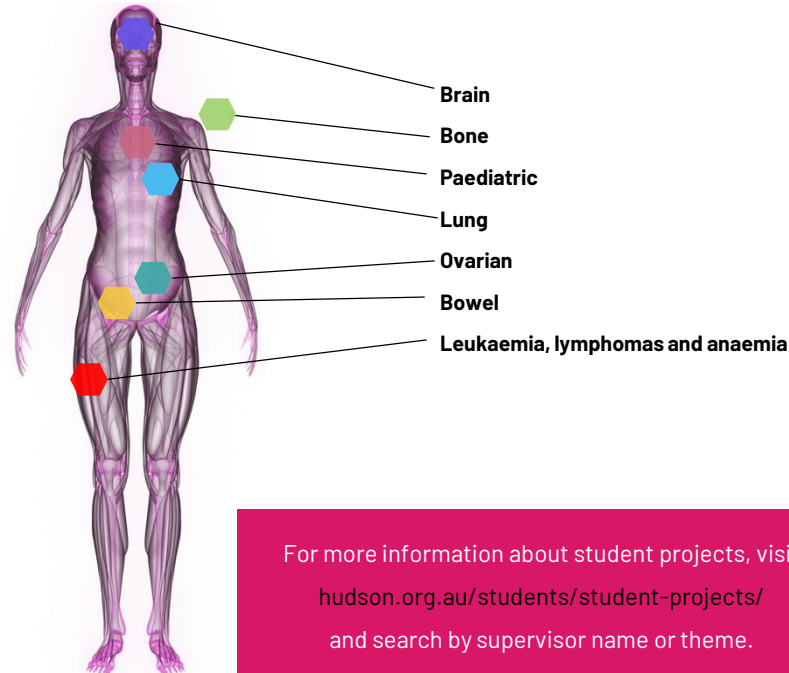
Our research

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.