Hudson Institute of Medical Research

289 STAFF

153 STUDENTS

43 RESEARCH GROUPS

264 RESEARCH PUBLICATIONS

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

Our 442 scientists, clinicians and graduate students come from around the world to pursue one mission – to make medical research discoveries that save and change lives. Located in the Monash Medical Precinct, our scientists work alongside clinical partners and industry colleagues and use advanced technology platforms to inform their research.

Our students

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.

39 POSTGRADUATE AND HONOURS STUDENTS COMPLETED

153 STUDENTS
123 PHD
10 MASTERS
20 HONOURS

Figures from 2024

Student research

Honours and postgraduate 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
- 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 laboratories to discuss projects. Simply email the supervisor to arrange a time.

STEP 1: Find a project that interests you in our 2026 Student Research Projects – scan the QR code or visit www.hudson.org.au/students/student-projects/

STEP 2: Email the supervisor to indicate your interest and arrange a time to visit.

Connect with us

Website – www.hudson.org.au
LinkedIn – @Hudson Institute of Medical Research
Bluesky – @hudsonresearch.bsky.social
Instagram – @Hudson_Research
Facebook – @HUDSONResearchAu

Contact us

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

HUDSON
INSTITUTE OF MEDICAL RESEARCH

Centre for Cancer Research

2026

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

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

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

A/Prof Pouya Faridi
Research Group Head
Translational Antigen Discovery
pouya.faridi@monash.edu

Dr Maree Bilandzic
Research Group Head
Metastasis Biology and Therapeutics
maree.bilandzic@hudson.org.au

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

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

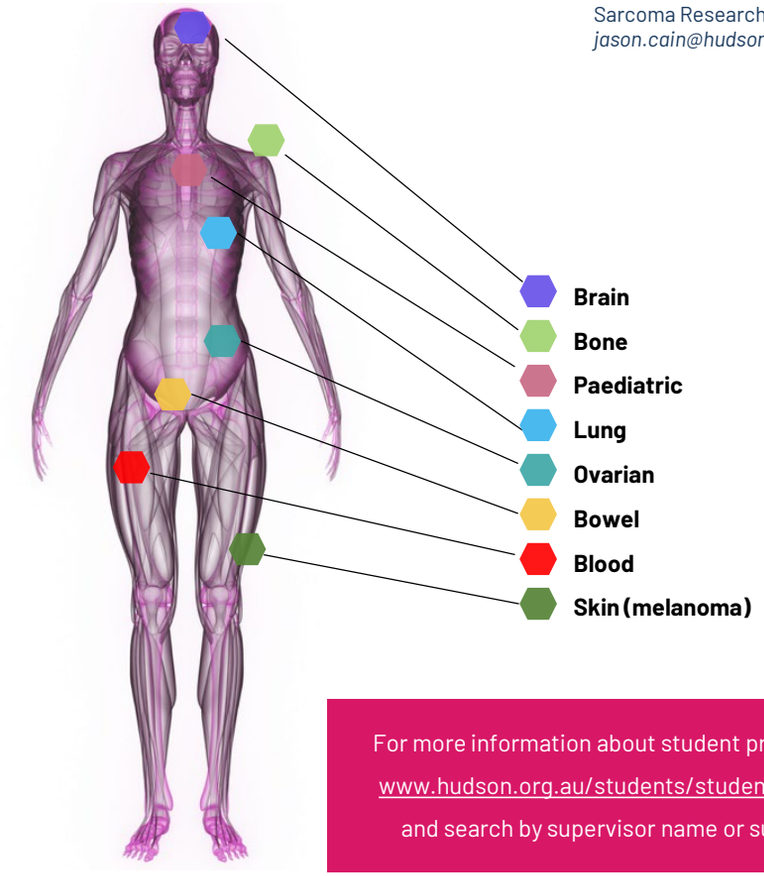
Dr Daniel Garama
Proteomics Specialist
Signal Transduction in Cancer Biology
daniel.garama@hudson.org.au

A/Prof Jason Cain
Research Group Head
Developmental and Cancer Biology;
My Room Children's Cancer Charity Research Laboratory & Childhood and Adolescent Sarcoma Research Program
jason.cain@hudson.org.au

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

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

Dr Terry Lim
Senior Research Scientist
Translational Antigen Discovery
terry.lim@monash.edu



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

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.

Centre for Cancer Research scientists are at the forefront of cancer research discovery, innovation, and translation into cancer treatment. Their focus is on accelerating the next generation of personalised therapies for adult and paediatric cancers using a comprehensive approach including functional genomics and big data.

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 2024 and early 2025, our students were first authors on the following research publications:

Guanizo AC et al., A STAT3-STING-IFN axis controls the metastatic spread of small cell lung cancer. *Nat Immunol.* 2024, 25:2259-2269.

Fernando D et al., Therapeutically targeting the unique disease landscape of pediatric high-grade gliomas. *Front Oncol*. 2024, 14:1347694.

Doran BR et al., Leader Cells: Invade and Evade-The Frontline of Cancer Progression. *Int J Mol Sci*. 2024, 25:10554.

Adjumain S et al., Multidimensional, integrative profiling identifies BCL2L1 methylation as a predictor of MCL1 dependency in pediatric malignancies. *JCI Insight*. 2025, 10:e184601.

Karimnia N et al., A Novel 3D High-Throughput Phenotypic Drug Screening Pipeline to Identify Drugs with Repurposing Potential for the Treatment of Ovarian Cancer. *Adv Healthc Mater*. 2025, 20:e2404117.

Student prizes and awards

In 2024 and early 2025, our students won prestigious prizes, awards and placements, including:

Alice Figueiredo Camargos, Ihara (Shazia) Adjumain, Nishant Thakur, Yuqing Liang, Shaye Game –

Accepted into the Industry Mentoring Network in STEM (IMNIS) 12 month industry-placement internship program 2023-2024

Anran (Anna) Lin, Barnaby Kelly –

Accepted into the Industry Mentoring Network in STEM (IMNIS) 12 month industry-placement internship program 2025

Gabriel Goncalves – Best long oral presentation award at EMBO's Antigen Processing and Presentation Workshop, 27-30 May 2024. Presentation title: "A combinatorial approach reveals a suite of commonly presented HLA-E-restricted cancer antigens"