THE UNIVERSITY of ADELAIDE

Gifting healthy futures

Robinson Research Institute

ROBINSON RESEARCH INSTITUTE

make history.

Today's research for tomorrow's solutions

At the Robinson Research Institute, we tackle the most pressing reproductive health issues by undertaking cutting-edge research to improve fertility and pregnancy outcomes, and foster early childhood health in Australia, and the world.

We improve the health of the next generation by identifying factors that drive intergenerational health and susceptibility to disease. Our world-class research empowers health care professionals and parents-to-be with knowledge and tools to make the safest choices, and we use our findings to advocate for improved health care and policy change. Our focus is on pregnancy and the path to pregnancy, seeking to understand the root causes of infant and childhood conditions to develop early interventions.

Research discoveries and clinical trials at the Robinson Research Institute have already contributed to improved health awareness and medical practice, but there is still much to be done.

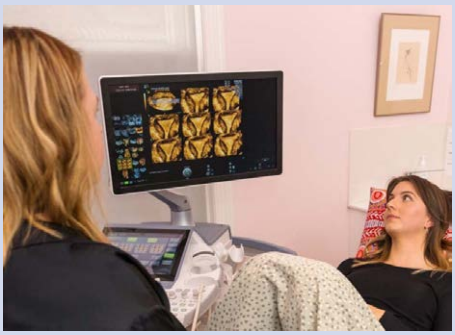
Your generosity fuels the research that leads to healthier futures for women, children, and families. To help ensure our children are born with the best possible chance at reaching their true potential, we seek your partnership and investment in our research.

Professor David MacIntyre
Director, Robinson Research Institute

Outcomes that ‘mean the world’

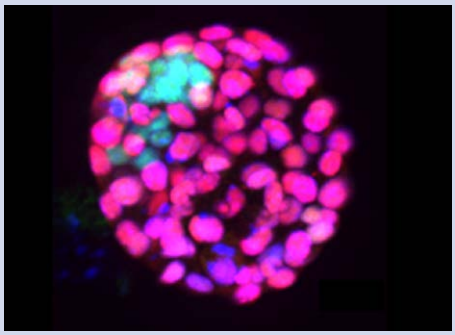
Our research makes a difference to the lives of people now and in the future. It means the world to them – and to us. Here are some of our projects that are making a difference.

Visit our website for more details on our projects that impact.



Endometriosis research

Early detection and diagnosis of endometriosis is critical for successful fertility treatments. Our researchers are revolutionising the way endometriosis is diagnosed by developing a reliable, fast and non-invasive tool that harnesses medical imaging and artificial intelligence. Evidence-based resources developed for the endometriosis community help with self-management and treatment pathways for the condition.



Improving IVF success

Our work is set to increase success rates of assisted reproduction, such as in-vitro fertilisation (IVF) and to decrease the associated mental, social and financial burden for prospective parents. Our researchers are developing new techniques to assess sperm quality at an unprecedented level and harness light to determine the developmental potential of embryos non-invasively, before transplanting.

Pregnancy - a window into future health

A mother’s health and environmental circumstances before and during pregnancy impact her child’s health beyond their time in utero. We are currently investigating how environmental factors such as exposures to different chemicals and pollutants can negatively impact pregnancy outcomes and longer-term child health. This involves developing new diagnostic tools and treatments designed to reduce the risk of poor pregnancy outcomes such as miscarriage and preterm birth.

Helping premature babies thrive

Our clinical research teams are actively working on programmes to improve neonatal medicine and guidelines for care, helping the most vulnerable to have a better start and improved long-term health, free of neurodevelopmental impairment. We are currently running world-first trials to improve care and treatment pathways for babies born prematurely.

Genetic discoveries to improve long-term outcomes

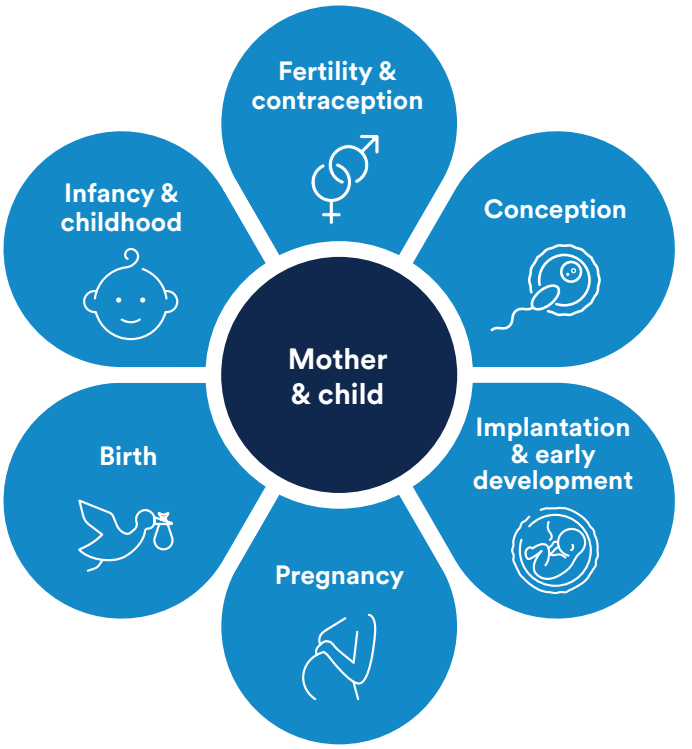
Our researchers have changed the understanding of causes of neurodevelopmental disabilities, such as Cerebral Palsy. Ongoing work is determining how early genetic testing and diagnosis can improve long-term health outcomes for children with neurodevelopmental disabilities.

Ground-breaking imaging technology for little lungs

Our researchers have partnered to invent ground-breaking lung imaging technology, allowing for unparalleled precision, early detection, and highly targeted treatment of children with lung diseases, such as Cystic Fibrosis (CF). We are now conducting important studies to understand how gene therapy might be used for altering CF-related lung and airway health.

Invest for results beyond measure

Our areas of research span *Fertility & contraception, Conception, Embryo implantation & early development, Pregnancy, Birth,* and *Infancy & childhood.*



How you can support us

Your support for our research and mission can be realised in several ways:

1. **Support research** through funding of specific projects.
2. **Support areas of high priority** reflected in our Accelerator Programmes.
3. **Support a researcher or student** through a dedicated fellowship or scholarship.
4. **Contribute to cutting-edge research** by donating towards the acquisition of specialised equipment.

"I was supported with AU$50,000 by a Robinson Research Institute Career Development Fellowship in 2018. Ultimately, this allowed me to progress vital work in developing an effective genetic therapy for preventing or treating Cystic Fibrosis airway disease. My team and I have also been critical to the development of ground-breaking 4D lung imaging technology that paves the way for early detection and precisely targeted treatment of children with lung conditions – something that was not possible before."

Associate Professor Martin Donnelley
Cystic Fibrosis Airway Research Group

Get in touch

We would love to discuss your support of our research. Contact us today.

Email robinsonresearch@adelaide.edu.au

Phone 08 8313 1342

For immediate donations, visit www.adelaide.edu.au/rri or scan the QR code with your device camera.

Further enquiries

Robinson Research Institute, The University of Adelaide, Ground Floor, 55 King William Road
North Adelaide SA 5006

web adelaide.edu.au/robinson-research-institute
facebook facebook.com/RobsInstitute
linkedin linkedin.com/company/robinsonresearch-institute-uoa

Australian University Provider Number PRV12105
CRICOS Provider Number 00123M

April 2025. Job no. UA31575

Kaurna acknowledgement

We acknowledge and pay our respects to the Kaurna people, the original custodians of the Adelaide Plains and the land on which the University of Adelaide's campuses at North Terrace, Waite, and Roseworthy are built. We acknowledge the deep feelings of attachment and relationship of the Kaurna people to country and we respect and value their past, present and ongoing connection to the land and cultural beliefs. The University continues to develop respectful and reciprocal relationships with all Indigenous peoples in Australia, and with other Indigenous peoples throughout the world.