



SAHMRI Uncovered: Big Ideas That Make A Difference











Acknowledgement of Country

We acknowledge the Kurna People as the Traditional Custodians of the Adelaide region, where we meet today.

We recognise the Kurna people's cultural, spiritual, physical and emotional connection with the land. We honour and pay our respects to Kurna elders, both past and present and all generations of Kurna people, now and into the future.

We acknowledge the other Traditional Owners who live across South Australia, where SAHMRI research might be conducted.



Where is SAHMRI?



Future
Women's and
Children's
Hospital

New Royal
Adelaide
Hospital

SAHMRI

University of
Adelaide

University of
South
Australia

Private
Industry

What is SAHMRI?



SAHMRI is South Australia's **not-for-profit** health and medical research institute.

Committed to **creating healthier futures** through collaboration and translational research.

Non-government organisation sustained through earning competitive grant funding and receiving philanthropic support

Collaborative

- Working with the public health system, fellow MRIs, universities and private enterprise to share and build knowledge for the greater good

Bringing the world to Adelaide... and Adelaide to the world



800 researchers,
staff and students

47 nationalities

Collaborations
across 155 countries

Research Structure



Aboriginal
Health
Equity



Lifelong
Health



Precision
Cancer
Medicine



Women
and Kids

SAHMRI Impact Platforms

Aboriginal Health Equity



Australia's largest dedicated
Indigenous health research unit

Understanding, monitoring,
responding to and **reducing**
inequity in health and wellbeing

Priorities are **informed by**
community needs and aspirations

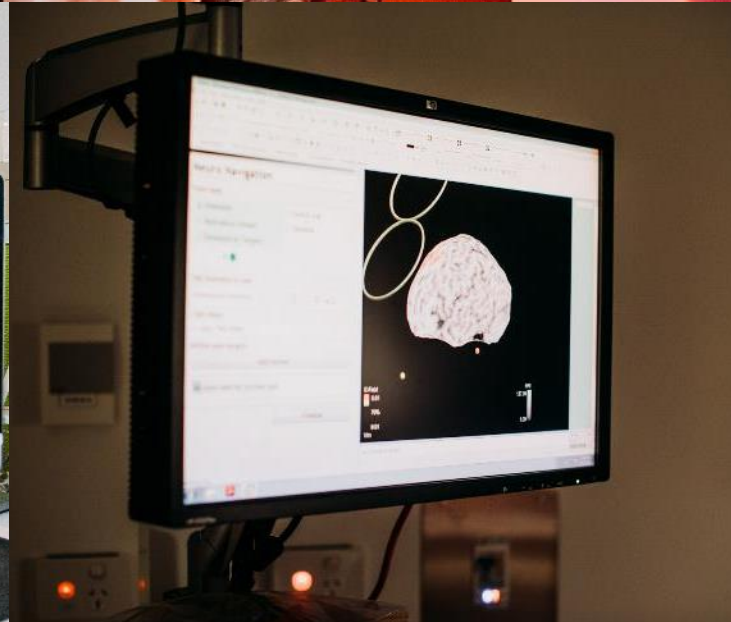


Lifelong Health



Targeting the biggest health challenges across our lifespan

Employing **discovery-to-impact approaches** with focus on chronic diseases that affect us as we age



Highly collaborative, reflecting the reality that chronic diseases often co-exist with shared causes and risk factors

Precision Cancer Medicine



The right treatment for the right person at the right time

Specialising in **blood cancers** including chronic myeloid leukaemia and acute lymphoblastic leukaemia

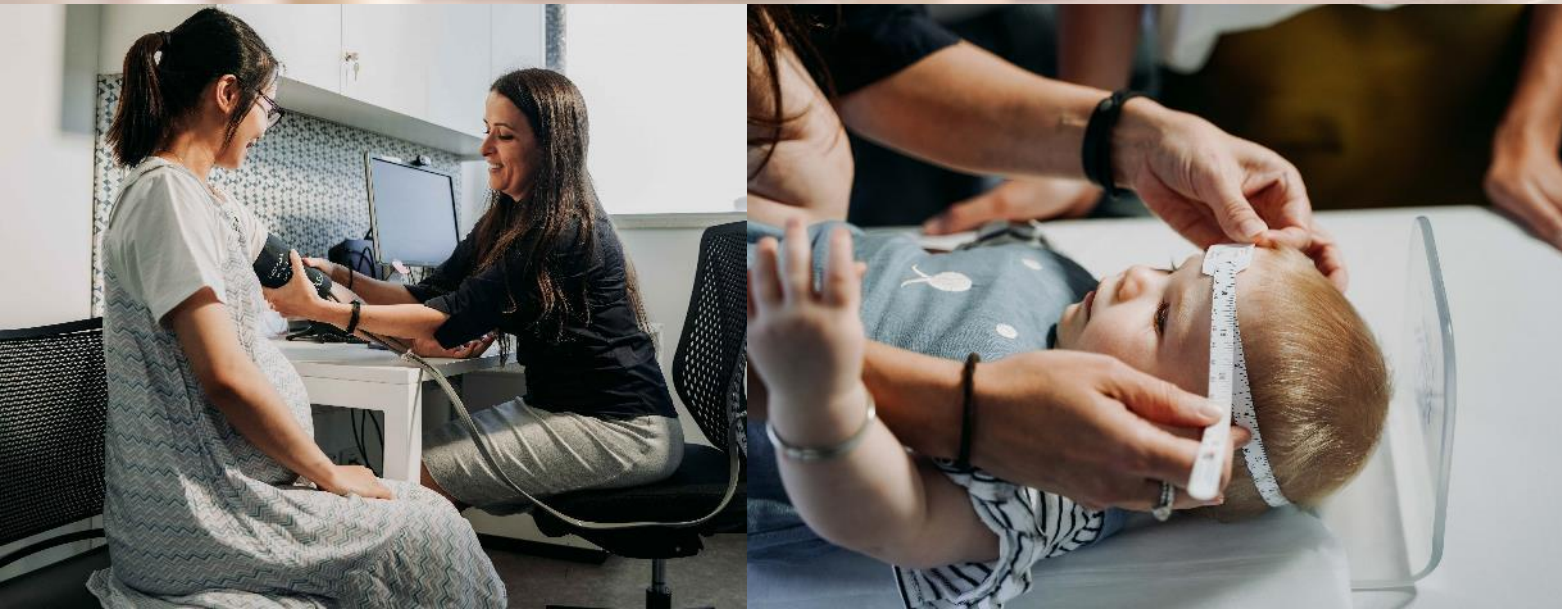


Researchers embedded within the Royal Adelaide and Women's and Children's Hospitals for **clinical and translational focus**



Giving our kids the best start to life

Recognising that **interventions before and during pregnancy** can influence the health of parents and the child



Goals include reducing prematurity and its complications, stillbirth and other adverse pregnancy outcomes and **supporting healthy development and family wellbeing.**

Impact centres

Clinical Trials Platform

- Accelerating **translation of research into real-world impact**

Health Policy Centre

- Behavioural and policy research to **inform public health interventions**

SAHMRI Registry Centre

- Big data collection for increased quality, efficiency and cost effectiveness



Impact centres

SA Genomics Centre

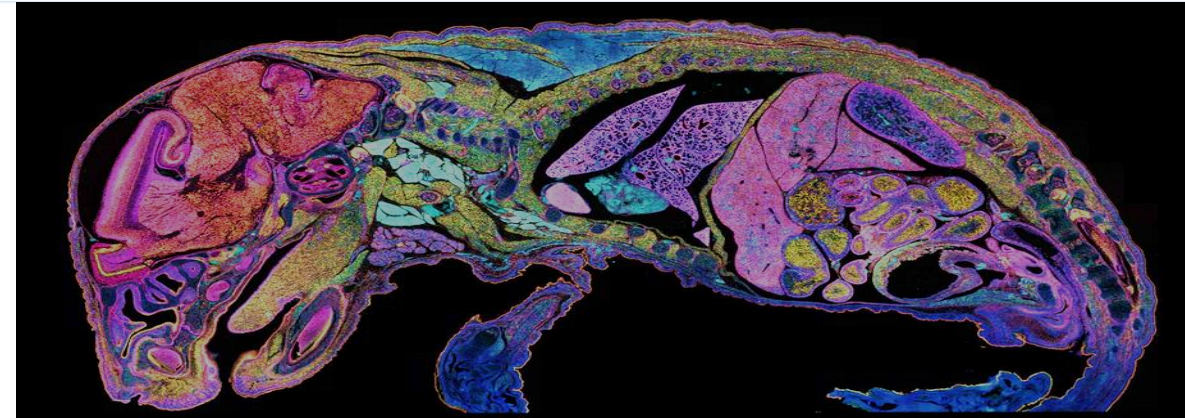
- Enabling innovative genomics research with advanced techniques like spatial and single-cell transcriptomics

Clinical and Research Imaging Centre

- Cutting-edge imaging facilities to accelerate innovative research including clinical trials

Preclinical, Imaging and Research Laboratories

- Large and small animal research where surgical theatres and imaging equipment sit side-by-side with animal holding facilities



Core facilities

Bioresources

Small animal imaging

Cryogenics

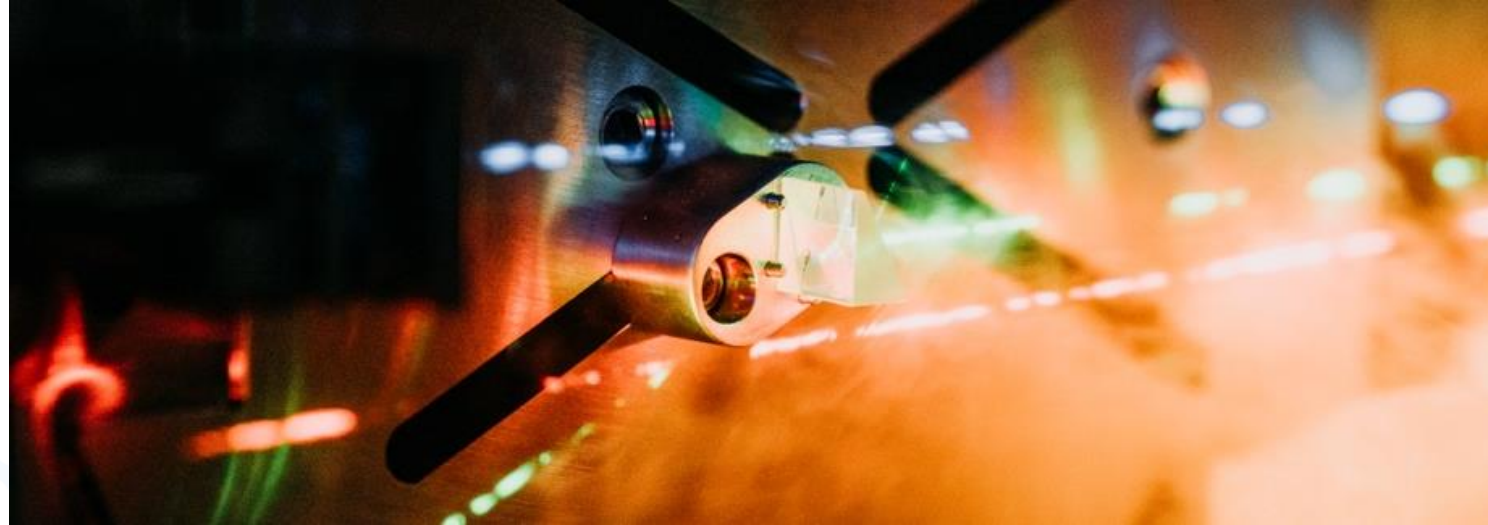
Histology

Flow Cytometry

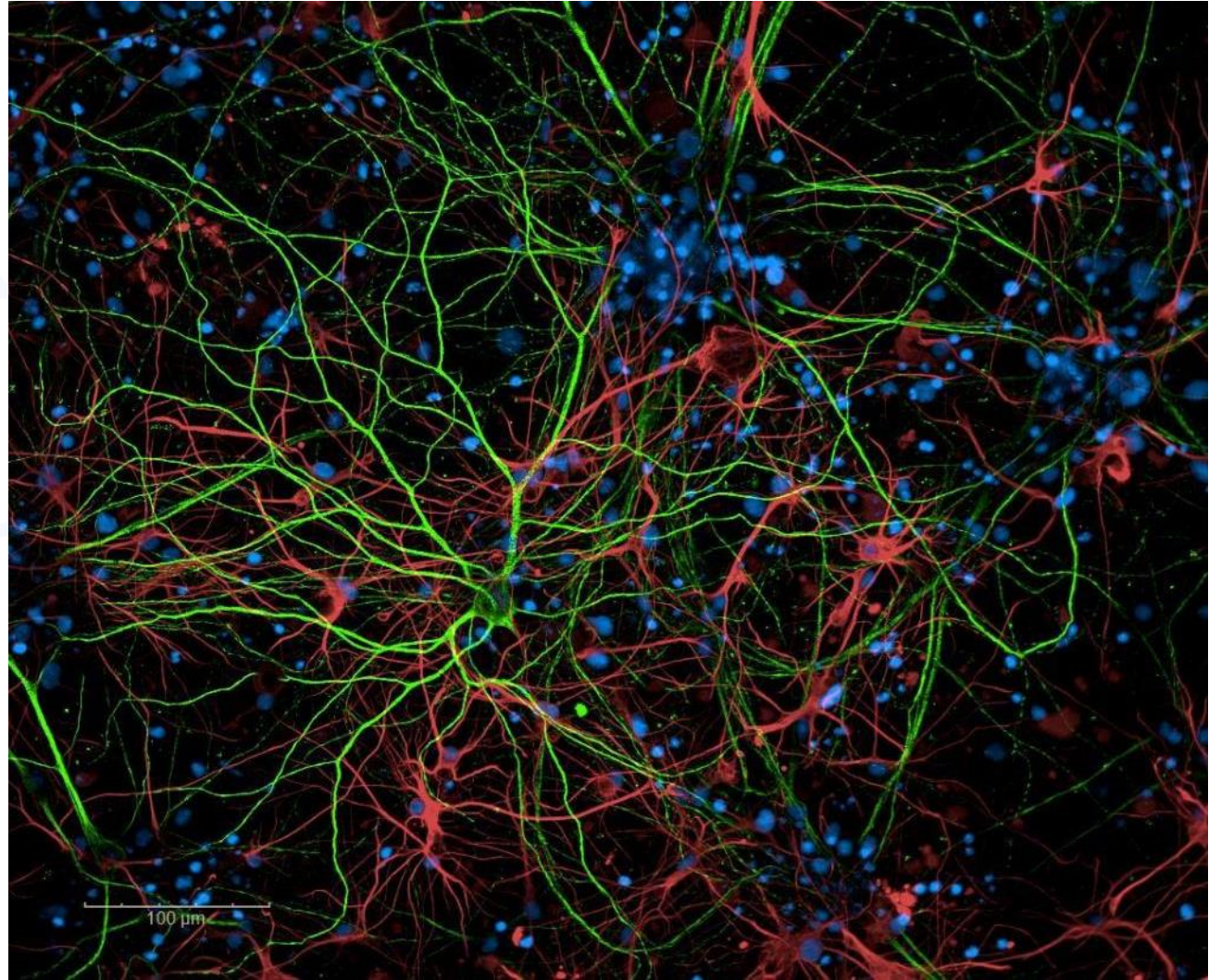
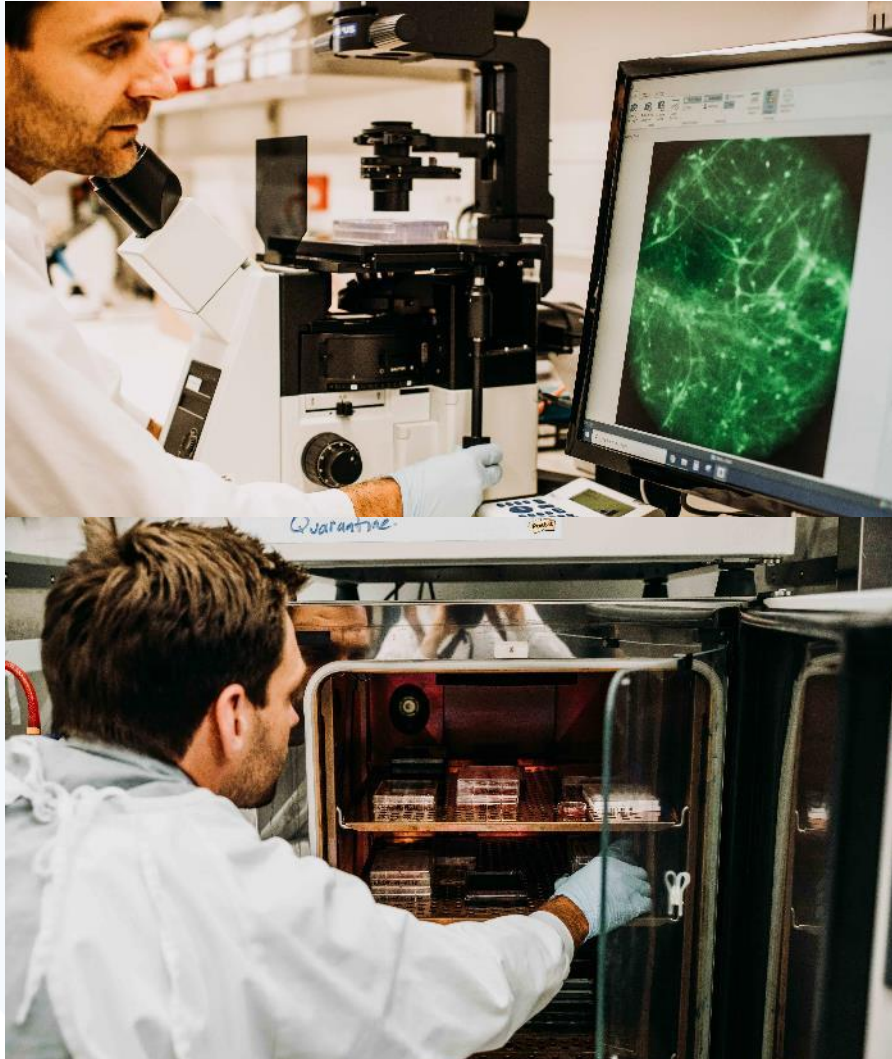
Lipidomics and
Metabolomics

Proteomics

Mass Spectrometry Imaging



Revolutionising Parkinson's and Dementia Research



Reducing Preterm Births Worldwide

Omega-3 Supplementation reduces the risk of preterm birth:

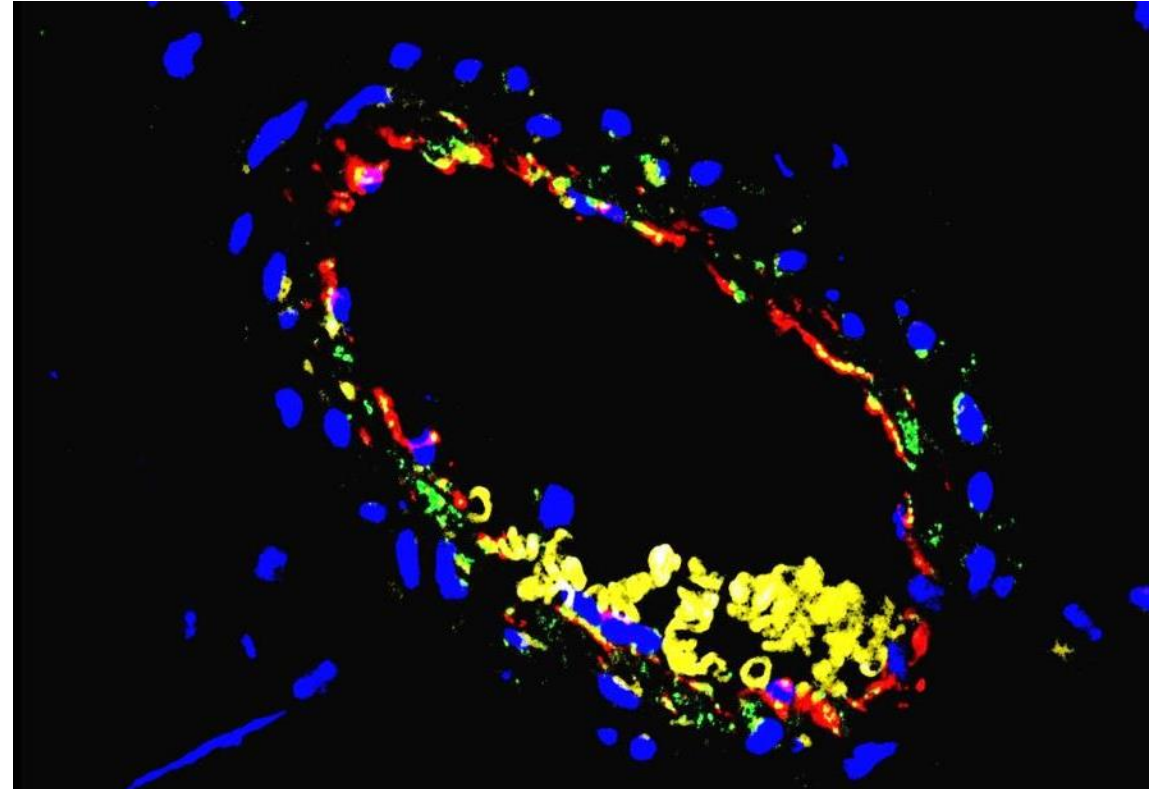
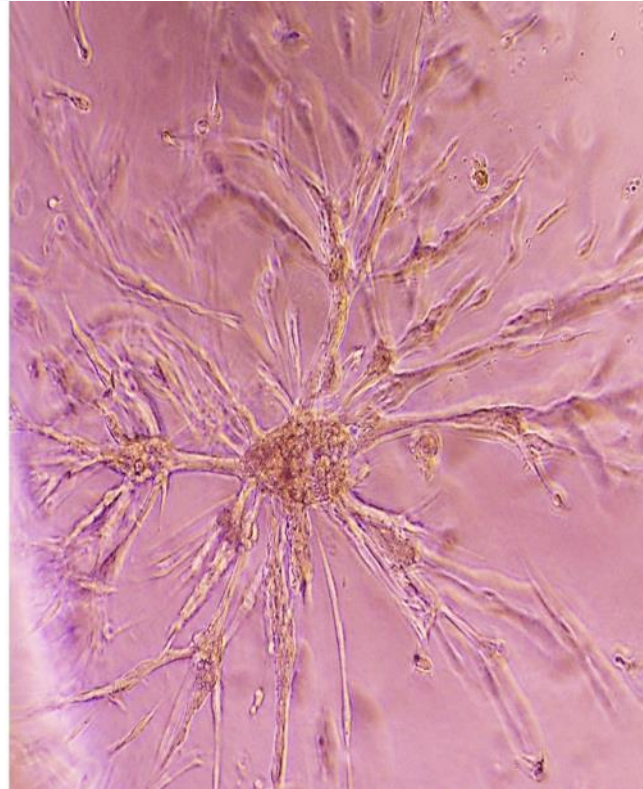
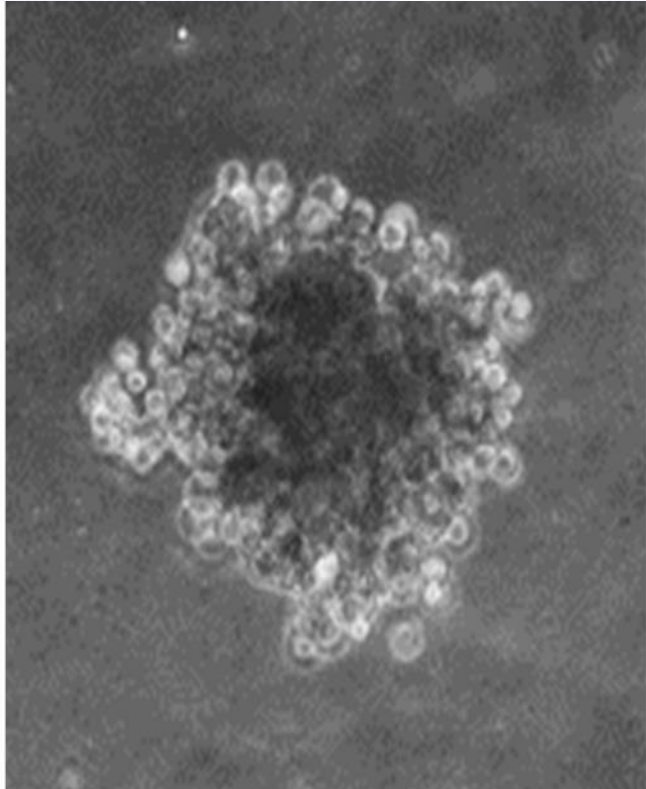
Birth before 37 weeks – down 11%

Birth before 34 weeks – 42%

We've implemented the world's first test-and-treat Omega-3 program in South Australia



Discovering New Blood Vessel Cells In Our Body



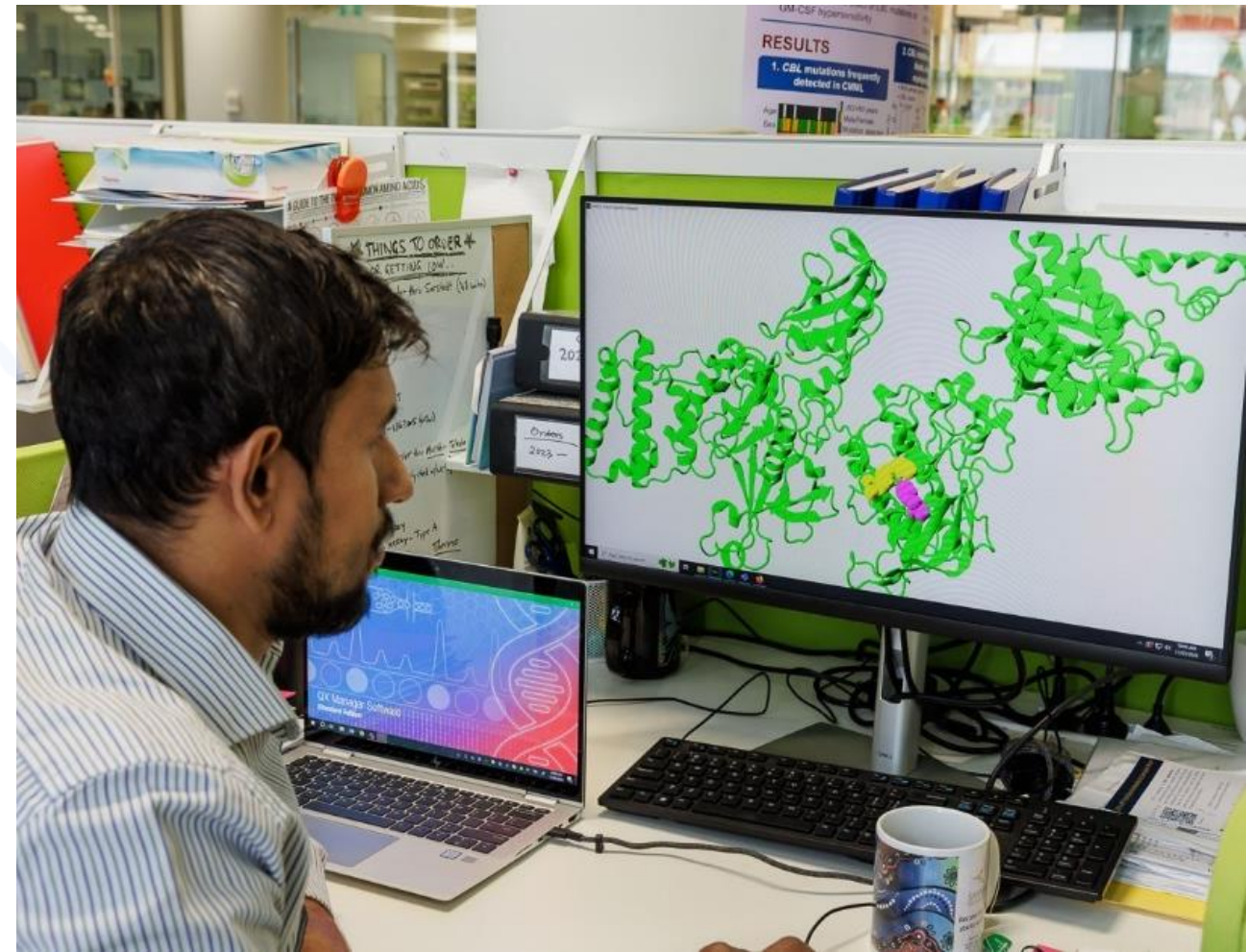
The World's First Precision Treatment For CMML

Collaboration between our blood cancer groups

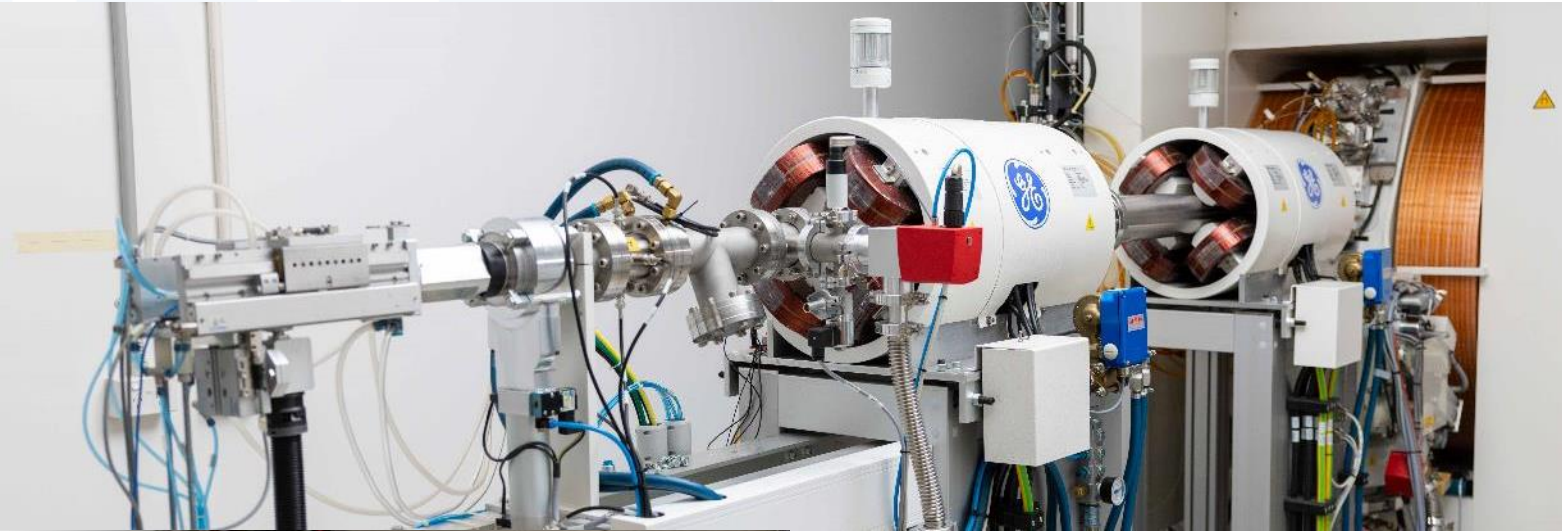
Developed the monoclonal Antibody
– Lenzilumab

Currently in clinical trials around Australia

- Huge increase in survival
- Very few side effects



Saving Thousands of Lives Every Year



MITRU is home to **South Australia's only cyclotron** - a particle accelerator producing radioactive isotopes for use in medical imaging, treatment and research.

Licensed by the TGA as a manufacturer of radiopharmaceuticals which are supplied daily to hospitals and imaging centres all over Australia.

Produces around **12,000** radiopharmaceutical doses annually



The realities of medical research

Most Medical Research is government-funded

Researchers spend ~a quarter of their time writing grants

“You just want them to get into it with a bloody good idea”
- Professor John Hopwood



Getting involved



Tour SAHMRI – we'd love to welcome you

Virtual Tour – launching in August



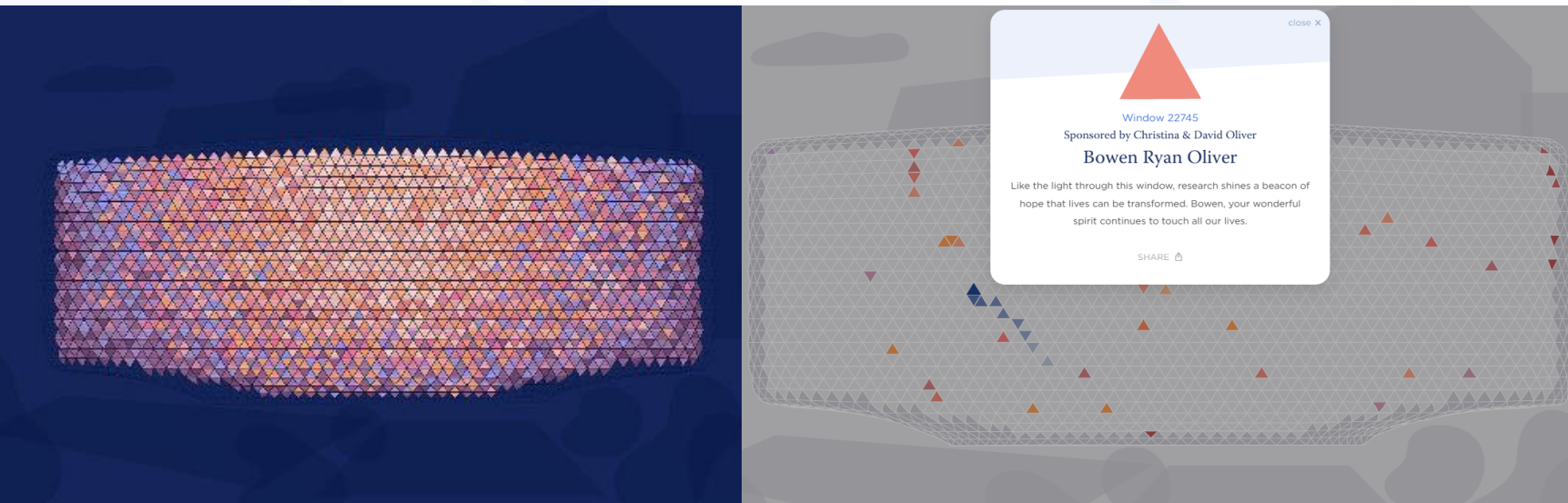

HEALTHIER FUTURES
**RESEARCH IMPACT
Luncheon**

**Healthier Futures Research
Impact Luncheon**
Wednesday 20 August

Supporting SAHMRI



Make a **donation to support SAHMRI's research**
– Imagine the end of chronic pain



Windows of Hope –
sponsorship is easy and
rewarding

Supporting SAHMRI

Discovery Circle - A philanthropy impact program uniting donors to fund bold, life-saving medical research at SAHMRI



Leave a gift in your Will - Help SAHMRI create a brighter future for the people you love

Staying in touch with SAHMRI

Please return to

SAHMRI's Philanthropy &
Strategic Engagement team

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Stay in touch with SAHMRI

SAHMRI is South Australia's flagship health and medical research institute. As a not-for-profit organisation, we rely on the support of individuals like you to continue our life-changing research. If you would like to support the work we do at SAHMRI, there are many ways to get involved and bring the next medical breakthrough closer.

sahmri.org.au

Your details:

Name:

Phone:

Email:

Address:

Please contact me about (tick all that apply):

- ☐ Making a donation to SAHMRI
- ☐ Leaving a gift in my Will to SAHMRI
- ☐ Attending a tour of SAHMRI
- ☐ Volunteering with SAHMRI
- ☐ Sign up to SAHMRI's monthly e-newsletter



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