



HARRY PERKINS INSTITUTE
OF MEDICAL RESEARCH



VISIONARY AMBITION. CUTTING-EDGE INNOVATION.

WESTERN AUSTRALIA HAS THE
CAPABILITY TO STAND ON THE WORLD
STAGE OF CANCER RESEARCH.

HERE'S HOW YOU CAN MAKE THAT HAPPEN.



ERADICATING CANCER FOREVER? WHERE THERE'S WA, THERE'S A WAY

25 years. And counting. That's how long the Harry Perkins Institute of Medical Research has been conducting innovative research into improving health outcomes within local communities and across the globe.

We've brought together the brightest minds in the State and provided stability and motivation for these brilliant researchers to keep working in Western Australia.

Since the beginning, we have been motivated to keep families together for longer through medical research. It's this drive that has earned us a reputation as one of the leading medical research centres in Australia.

State-of-the-art facilities.
A dedicated team of 250 research and trial staff.
Ground-breaking clinical trials.

But we can't stop there. We're setting our sights on a bigger goal. Your help is needed to get Western Australia there.

Two concurrent programs have been established by the Perkins to elevate Western Australia to the world stage in cancer research.

One program is for our visionary supporters. The other is for those who embody the pioneer spirit.

Are you a visionary? **Safe Harbour** is the ideal program for you to support. You can fund fellowships and grants to retain brilliant research minds in Western Australia. The program is aimed at mid-career researchers to realise the potential of their projects, right here in WA.

The second of these projects is a new development we're excited to share with you today. We are calling on all pioneers to give their support. **The Perkins Cancer Atlas** will supercharge cancer research in Western Australia. It will achieve this by mapping out the cells of individual cancerous tumours.

Why is it important to conduct tumour sequencing like this? To put it simply, The Perkins Cancer Atlas will help demystify tumours and take us a step closer to eradicating cancer.

Pioneering supporters of The Perkins Cancer Atlas will receive personal updates and reports on the specific tumour sequencing they are funding.

Fact sheets on both respective programs are included here for your reading.

We hope they inspire you to share our strong belief that Western Australian has the capability to lead the world in cancer research.

THE PERKINS CANCER ATLAS FACT SHEET

Program Name:

The Perkins Cancer Atlas

Program Type:

Genome Biology and Genetics Program and Cancer Program

Purpose:

To power innovation and access to information to improve cancer outcomes.

Vision:

To harness Western Australia's track record of medical research innovation and apply direct focus into discovering the next cancer breakthrough.

Strategy:

To create a unique data set of individual tumour sequences, creating an atlas of information to help unlock the next big breakthrough in cancer research.

Funding Ambition:

Ten x \$5,000 donations to cover salary, associated employment costs and research consumables for at least ten of the available tumour types.

Funding Model:

The Perkins Cancer Atlas will pioneer research into sequencing cancer tumours in just 12 minutes, and provide supporters with real-time updates on findings. Individuals can select a tumour type to be sequenced in their name. This will then be listed with supporter attribution in the Cancer Atlas.

Anticipated Philanthropic Contribution:

From \$5,000 to sequence one tumour in your name, with an additional \$5,000 for any additional tumours.

THE PERKINS CANCER ATLAS - MEET PROFESSOR ALISTAIR FORREST

“Every time we sequence a tumour, we learn more about how cancer works and more importantly, how it can be treated. And stopped.”

– Professor Alistair Forrest

How it works:

Supporters will select which specific tumour type their funding will go directly towards mapping.

The following tumour types can be chosen for sequencing:

- Mesothelioma
- Ovarian cancer
- Oral cancer
- Brain cancer (Glioblastoma)
- Leukemia (preBALL)
- Gastrointestinal stromal tumours (GIST)
- Myelodysplastic syndromes
- Melanoma
- Breast cancer

Once the selection has been made, Professor Alistair Forrest will deploy sophisticated single-cell profiling to fill in the gaps of our universal knowledge of tumours.

Supporters will be invited to meet Professor Forrest and learn first-hand about the ground-breaking research they are directly funding.

The outcomes and findings of the research will be personally shared with the supporter and filed in the Cancer Atlas with attribution.

“We believe that this diversity of cancer cells is the cause of cancer treatment resistance in some ovarian cancer patients, and we are looking for ways to overcome this resistance.” – Professor Alistair Forrest.

Supporters of The Perkins Cancer Atlas will have a clear vision of the pioneering research they are directly responsible for making happen.



SAFE HARBOUR FACT SHEET

Program Name:

Safe Harbour

Program Type:

Research Incubator

Purpose:

To support, mentor and develop proven early-to-mid-career researchers, retaining them within the profession and providing the opportunity to realise their ambitions, fulfil their potential, and deliver their value.

Vision:

To make Western Australia a burgeoning powerhouse of medical research, the home of the best and brightest minds in medical science, leading the world in discovering breakthroughs that will ease suffering, treat and cure disease, and save lives.

Strategy:

Provide career certainty by funding researchers through the challenging mid-phase of their careers when they are at greatest risk of being lost to medical science.

Funding Ambition:

Two x 3-year Fellowships at an anticipated cost of \$285,715 per annum per Fellowship to cover salary, associated employment costs and research consumables.

Five to ten Incubator Grants of \$500 to \$10,000 each to support researchers with further learning or research in support of their specified project.

Funding Model:

A philanthropic giving circle made up of a small, committed group of just 14 visionary supporters hoping to make an especially generous contribution to public health, in the belief that diseases can be defeated, human suffering can be reduced, and lives can be saved.

Anticipated Philanthropic Contribution:

From \$10,000 for a single Incubator Grant up to the full cost of \$285,715 to fund one Fellowship for one year.

SAFE HARBOUR FACT SHEET



Potential Program Beneficiaries:

Dr Tara Richman
Mitochondrial Medicine
and Biology

Research focus on mitochondria which produce 90% of the energy our body needs to function.

Potential applications:
Unlock the secrets of the cell's energy machinery to cure disease.



Dr Liz Johnstone
Molecular Endocrinology
and Pharmacology

Working to understand how drugs work inside the body and specifically how drugs work inside the cells.

Potential applications:
Design improved medicines that are more effective with reduced side effects.



Dr Josh Clayton
Preventive Genetics &
Rare Disease Genetics and
Functional Genomics

Currently working on developing therapies for severe muscle diseases.

Potential applications:
Develop cell models and therapies to treat muscle disease patients.



Nik Bappoo
Vascular Engineering Lab

Research focus on biomedical engineering and medical devices.

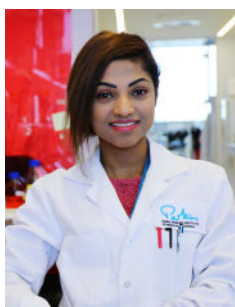
Potential applications:
Creating solutions to unmet needs through applied sciences and ethical commercialisation.



Dr Tasnuva Kabir
Laboratory for
Cancer Medicine

Research in liver cancer with ambition to develop drugs to take to clinical trials.

Potential applications: w
Discover new therapies to improve outcomes for liver cancer patients.



Dr Christian Pfleuger
Genome Biology
& Genetics

Area of expertise:
Epigenetics.

Potential applications:
The tiny tradie:
Building molecular tools to understand and treat cancer.



Program Start Date:

Continuing, with the next Safe Harbour recipient to be announced soon!

Our Key Relationships team will be in touch soon to hear your impressions, insights and opinions on our Safe Harbour and Cancer Atlas programs. Or feel free to share your input by calling **Shelley Mason**, Key Relationships Manager, on **0409 380 881**.