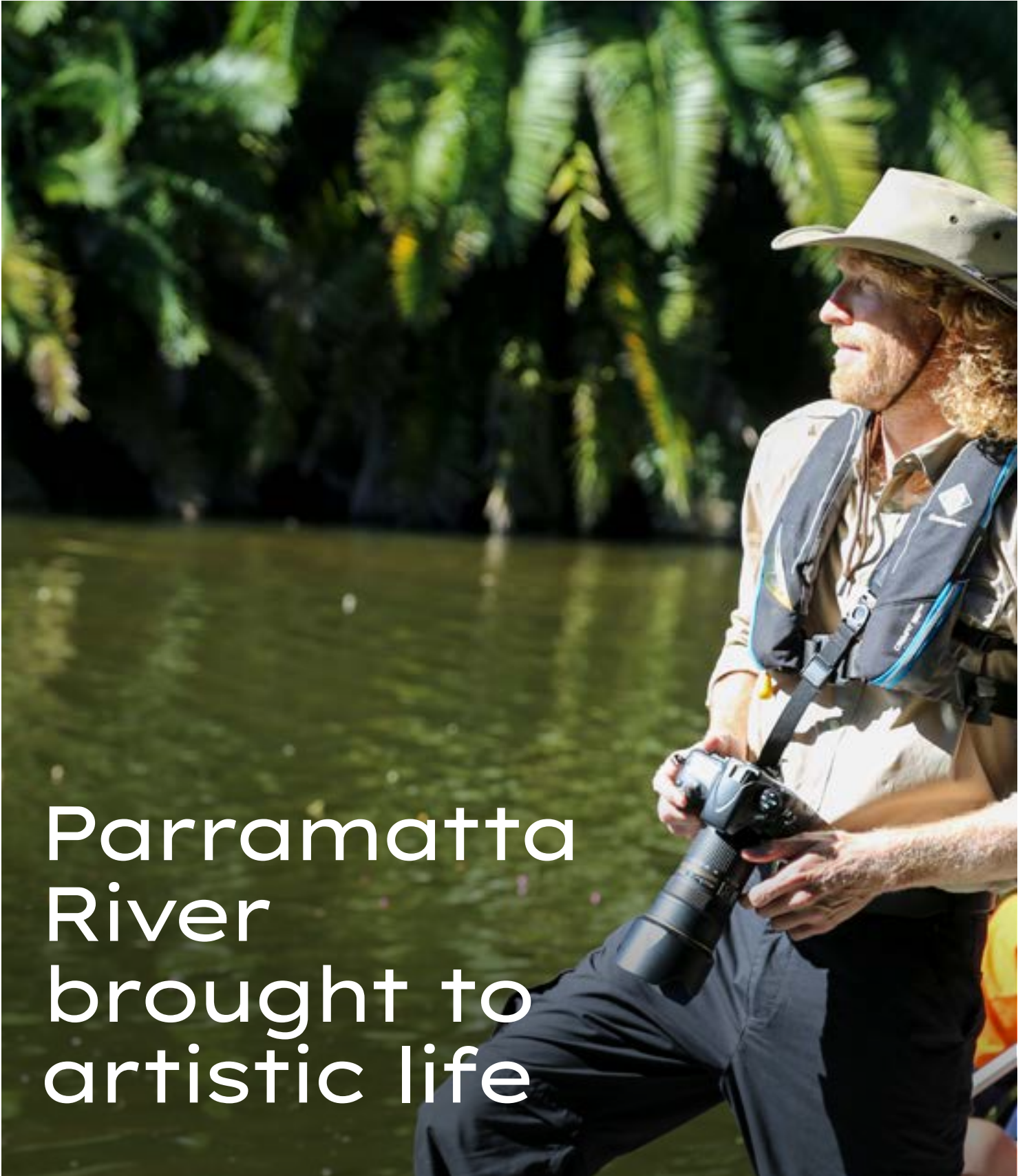


HEALTH • EDUCATION • RESEARCH • INNOVATION

The PRECINCT POST



Parramatta
River
brought to
artistic life

Contents

03

WESTMEAD'S FURNITURE FUTURE
PUT TO ULTIMATE TEST

04-05

COMMISSIONING BUILT
TO SUCCEED

06-07

ACTION! YOUNG STARS ON SET
HERE IN 'WEST HOLLYMEAD'

08

LIVING PROOF OF CANCER TEAM'S
REMARKABLE SUCCESS

09

DANIE IN FULL FLOW AS
PARRAMATTA RIVER BROUGHT
TO ARTISTIC LIFE

10

PARTNERSHIPS DESIGN BETTER
HEALTH OUTCOMES AT
WESTMEAD AND CUMBERLAND

11

GOOGLE SEARCH FOR \$1M
WINNER ENDS AT THE
UNIVERSITY OF SYDNEY

The Precinct Post is a quarterly publication that showcases the extraordinary achievements of the Westmead Redevelopment project and celebrates how these milestones are accomplished collaboratively with its precinct partners. The \$1.1 billion NSW Government project – the biggest health infrastructure project in the state – will transform the Westmead health, education and research precinct and deliver an innovative, integrated facility that will continue to deliver high-quality healthcare for decades to come. The Westmead Precinct partners are Western Sydney Local Health District, The Children's Hospital at Westmead, the University of Sydney, Westmead Institute for Medical Research, Children's Medical Research Institute, Western Sydney University and Westmead Private Hospital.



Westmead's furniture future put to ultimate test

THEY poked, they prodded, they stretched out and lounged about. Above all else, the steady stream of visitors to the Furniture, Fixtures & Equipment Open Days tested some of the new resources eager to find a home in Westmead's new hospital.

The prototype shed on Dragonfly Drive opened its large grey roller door for all comers to trial patients' beds and recliners, trauma trolley beds and carers' lounges.

And the numbers to take up the challenge over the two days didn't disappoint. Nor did the units represented from across the precinct.

Emergency Department (ED) physicians, clinicians, consumers, cleaners, orderlies, maintenance, wardspeople and biomedical engineers were just some of those on hand to share their thoughts.

"They've come from everywhere," Westmead Redevelopment Project Director of Furniture, Fixtures & Equipment Leanne Creighton said.

"Everyone's touching, feeling, asking questions and looking at brochures... they're getting excited about the new hospital."

Leanne said the event's online surveys helped capture these thoughts and gauge opinions. "This gives us some great feedback to get the right equipment to fit the spaces plus look at the dual-purpose of many of the products," she said.

ED nurse manager at The Children's Hospital at Westmead (CHW) Leonnie Dawson said the selection of specialist furniture going into the Central Acute Services Building (CASB) was closely connected to the new models of care.

She said there were several key considerations for clinical staff.

"For the treatment furniture, it's functionality," Leonnie said.

"How we can actually treat kids on that one chair/bed, keeping them upright, entertained and happy but also have the ability to lay them flat in a bed situation so we can go from 'OK' to an emergency quickly.

"With trauma beds, we're looking for the ability to do CPR, the ability to move the bed easily."

CHW Cleaning Services manager Ziada Camdzic said patients and families were front of her mind when she attended the FFE Open Days.

"We're looking at the furniture to be easy to keep clean for the patients and families," Ziada said.

"We also look for a fast turnover (of repairs) if there's damage to the furniture."

The University of Sydney's Westmead Initiative also enjoyed the opportunity to provide feedback on interiors for the new hospital building, where the University will occupy 1.5 floors including learning spaces and workplaces for staff and students.



Westmead Hospital orderly supervisor Steven Morris gets the 'low-down' on patient beds from Malori Paplow.

"Our team is proud to support this vital work cementing Westmead as a leading health, education and research precinct," said Kate O'Sullivan, Chief Operating Officer of the Westmead Initiative. "The FFE Open Days reinforce the importance of our work here at Westmead and the value of collaboration with our partners across the precinct."

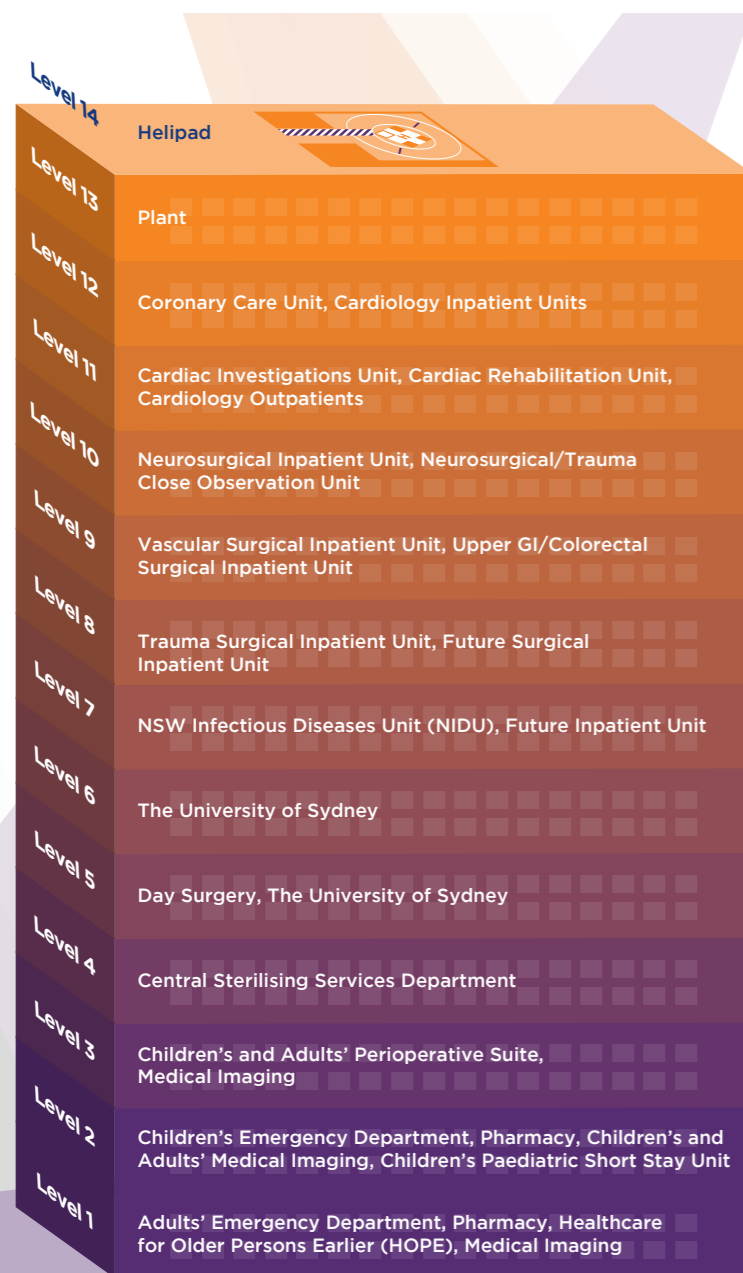
Vendors also applauded the event. Jayden Gage from Dalcross Medical Equipment said it was a great opportunity to meet hospital staff and discuss their differing needs.

Survey results will now be collated and presented to the clinical and non-clinical selection committee.

Video: <https://youtu.be/OPVErLiF4w>

Commissioning

The scaffolding's down, the major crane dismantled and the exterior of the 14-storey Central Acute Services Building (CASB) is beginning to resemble its futuristic end state. Inside, progress moves at an exponential rate as cavernous spaces are transformed into the very rooms that will treat western Sydney's health for generations to come. Director of Commissioning for the Westmead Redevelopment Sacha Mott and project co-ordinator Jessica El Gawly explain where we're placed and what role we can all play following the announcement of the units to fill the CASB (shown below).



Floor by floor ... The services moving in to the Central Acute Services Building (CASB), a partnership between Westmead Hospital, The Children's Hospital at Westmead and the University of Sydney.

THE countdown is on as the Central Acute Services Building moves into its next crucial phase. Building commissioning for the CASB has begun - and you're urged to play your important role in its success.

"It's extremely important staff get exposure to information, sessions and discussions about work spaces they've never seen before," Director of Commissioning for the Westmead Redevelopment Sacha Mott says.

"This is their building and it's time to be engaged and take ownership of what we're all achieving.

"Commissioning helps ready the building for occupancy, making sure all the key kits - mechanical, air, electrical, nurse call, clinical interfaces - are operational and witness-tested.

"This runs hand in hand with change management before operational readiness and training help staff through to moving in, turning on the lights and sustaining the change."

The commissioning process is currently focused on machinery and equipment, key drivers in a building's success. It's also a pivotal time to access feedback from the vast depth of expertise across the precinct.

"We'll benefit greatly from expert opinion to guide what we need to do," Sacha says. "That expert opinion comes from the staff. We urge everyone to ask questions and challenge them to offer us their input."

The upcoming installation of nurse calls is typical of a commissioning component that requires consultation to ensure best-practice.

"Our clinicians will need to be involved when we put together the nurse call cascades.

"Ultimately, a group of people will help decide what the nurse call should look like, how we want the bed numbers and way-finding to be reflected in the switchboard and where each of those calls should go.

"We need to articulate to the builder what we require so the nurse

built to succeed

call meets facility guidelines and is functional.

"And when you see the clinicians smile, once all the dust has settled, you move from the angst to thinking 'look what we've done!'"

Other key elements for building commissioning include the MME (major medical equipment), scheduling for all the modalities, security, mechanical and electrical kits, and implementation of the RIS PACs (image capture system for x-rays and ultrasound etc).

"We look at everything from lights, medical gases, nurse call, security, the intercom system, and how the FFE (furniture, fixtures and equipment) sits within that particular unit. Is it fit for purpose and is it safe?"

"We're making sure duress buttons feed back to security, look at the swipe cards and the types of access needed. We also look at the commissioning around fire safety, to make sure we're compliant with building code."

Sacha says a critical part of commissioning is to ensure compliance with each standard

so that on handover day the builders provide a set of documents to meet all the agreed requirements from a building and health facility perspective.

"That's where our expertise lies."

One recent success is the Behavioural Management Unit. The specialised nine-bed unit in Westmead Hospital will provide a safe clinical zone for the care of patients with severe behavioural disturbances and dementia.

"That particular ward was built by the clinicians using their ideas, and what they felt the community needed

"This runs hand in hand with change management before operational readiness and training help staff through to moving in, turning on the lights and sustaining the change."

to support their family members with challenging behaviours. It's such a success to deliver a product so tailored and fit for purpose of what the clinicians wanted.

"They've had input into the type of finishes on the floor, on the windows, everything. They've basically designed the unit down to the last details. That's been really important."

Project co-ordinator Jessica El Gawly says this type of proactivity is all-important to the success of the CASB "regardless of whether you're moving into the redevelopment or staying in situ".

"You're helping us grow so every contribution counts," Jessica says.

"Why not drive change? Be a part of it and leave your mark. Let's do it now when we have the opportunity."

How to play your part

If you have questions or suggestions, raise them with your Project User Group (PUG) via your supervisor or talk to the Westmead Redevelopment team.

Contact Sacha.Mott@health.nsw.gov.au or Jessica.ElGawly@health.nsw.gov.au



Planning to succeed ... Westmead Hospital's inpatient unit (IPU B6) is typical of the collaboration needed for successful commissioning.

Action!

Young stars on set here in ‘West Hollymead’

Prototype rooms prove their versatility in new role

SICK kids from The Children’s Hospital at Westmead (CHW) have been given the chance to revel in old-school glamour with the “big grey shed” given a makeover as a Hollywood film set.

The shed in question houses the Westmead Redevelopment’s prototype rooms, replicas of the clinical spaces that will go into the precinct’s Central Acute Services Building (CASB), due to open late next year.

The kids, including Leni, three, and Hamish, 15, are the stars of the Sydney Children’s Hospitals Foundation’s (SCHF) 2019 Radiothon, to be held in October.

Both were given the movie star treatment for the annual fundraiser’s promotional campaign, themed around Hollywood from a bygone era... with a hospital twist.

The foundation also used the prototype rooms for its Homesickness campaign, with Rebecca, 11, exploring her love of ballet in the hospital setting.

The purpose-built prototype rooms normally play host to staff tours and simulations as teams from Westmead Hospital, CHW and the University of Sydney prepare to make the big move into the CASB. But in recent months, their versatility has come to the fore with the Westmead Redevelopment team allowing use of the space for other activities.

“The prototype rooms have been invaluable in assessing the clinical suitability of the design of the new hospital building,” Westmead

Redevelopment senior project director Tim Mason said.

“The prototype facility is a great asset to the redevelopment and we love that its use has been extended this way so our precinct partners are able to take full advantage of it.”

For the foundation, the availability of the space was a godsend.

“Every year for Radiothon, we try to come up with a fantastic promo campaign to build excitement around what is one of our major fundraising initiatives,” SCHF’s Alisa Blakeney said.

“When we decided on Hollywood for this year and then found out about the prototype rooms, we just knew it would work.

“The initial photos with Leni and Hamish look fantastic, due in no small part to having such a great backdrop to do the photo shoots.”

Westmead Redevelopment’s director of service redesign Amanda Green said the prototype rooms housed examples of operating theatres, patient rooms and staff areas.

“These spaces are a crucial planning and training tool for staff, students and consumers involved in the planning process, while also giving all staff and the community a chance to get a sense of what the new building will look like inside,” she said.

Aside from its intended purpose of preparing staff and consumers for new working environments, the prototype rooms are also used as an alternative meeting venue. CASB builder Multiplex even uses the space to hold fitness boot camps for staff.



Top: On the red carpet ... Princess Leni takes the spotlight.

Above: And action ... Director Hamish keeps the production rolling.

Photos: Jess Simmonds.

Interested in hiring the Prototype Rooms?

Email WSLHD-Westmead-IPOAdminMail@health.nsw.gov.au



Classic pose ... Ballerina Rebecca keeps everyone on their toes with her pointe technique.

Photo: CHE Proximity.

Peter says words not enough

Living proof of cancer team's remarkable success

FACING death after exhausting all treatment options, Peter Suffolk became the first-ever Australian lung cancer patient to receive an immunotherapy drug on a global trial.

Seven years later, he's living proof Westmead Hospital's cancer team is saving people from one of the world's deadliest diseases.

"I'm so grateful for what the doctors have done for me," Peter said.

"I couldn't feel any better right now. How do you start to repay something like this? You can say thank you but it just isn't enough."

In Australia, the trial was led by Professor Rina Hui at Westmead Hospital's Crown Princess Mary Cancer Centre. Dr Hui is also a professor at the University of Sydney's Westmead Clinical School.

Global results of the trial showed 25 per cent of stage 4 cancer patients with a particular tumour marker are surviving past five years, compared to only five per cent before the immunotherapy era.

Prof Hui said without the trial,

Peter would not be alive. "Seven years ago my patient would have died without immunotherapy," Prof Hui said.

"It is truly remarkable how this drug works."

Prof Hui said the immunotherapy cancer treatment released the patient's own immune system to fight cancer.

"There are huge numbers of lung cancer patients who cannot be treated with targeted cancer treatments," Prof Hui said.

"Most lung cancers are found quite late because the lungs are a spongy organ – this means the cancer has already spread before being detected.

"Cancer camouflages itself and puts a brake on a person's immune system. Immunotherapy is designed to take the blindfold off the immune system, exposing cancer as the bad guy."

But not all patients respond and studies at Westmead Hospital continue. "I encourage patients to consider joining them," Dr Hui said.



Batting on ... Peter takes great pride and enjoyment from the cricket trophy he received to mark his 'century' treatment milestone last year.



What a fantastic outcome for patients in western Sydney and the future of cancer treatment around the world. I'm pleased to see the Westmead Precinct leading the charge against cancer.

– Western Sydney Local Health District (WSLHD) chief executive Graeme Loy.

Our researchers work with clinicians, patients and educators across the Westmead Precinct to develop innovative treatments and improve the lives of people of western Sydney.

– Professor Chris Peck, director of Sydney University's Westmead Initiative.

Decades of medical research, including work carried out at the Westmead Institute for Medical Research, is now coming to fruition, demonstrating that immunotherapy treatments can be an effective component of treatment for a number of cancer types.

– Westmead Institute for Medical Research director Professor Tony Cunningham.



Exploring his quarry ... Danie Mellor scopes out Toongabbie Creek for his epic 60-metre artwork. Photo: Jess Simmonds.

Danie in full flow as Parramatta River brought to artistic life

INDIGENOUS artist Danie Mellor's affinity with natural landscapes and a love of storytelling combine in a stunning mural to be delivered as part of the Westmead Redevelopment's Arts and Culture Strategy.

The Queensland-born creative dynamo is among a small group of artists hand-picked to roll out 14 works themed around Aboriginal and Torres Strait Islander culture, healing, nature, community, engagement and diversity.

The pieces will find a home in the redevelopment's new hospital building, a 14-storey facility to be occupied by Westmead Hospital, The Children's Hospital at Westmead and the University of Sydney as part of the \$1 billion project.

Mellor's epic 60 metres by three metres mural, entitled *The River*, depicts a stretch of the Parramatta River, the local Darug people's unique relationship with it, and the importance of the river to all cultures.

Created with infrared photography and comprising 41 individual panels, *The River* will be installed along a walkway at the entrance of the new hospital building, continuing through to the University Clinics entrance at Westmead Hospital.

"We worked along a stretch of the river from Toongabbie Creek to Parramatta Park – there was plenty of fascinating ecology," Mellor says.

"By using infrared photography, I've hinted at a history of this place we don't usually see. The work is large, but you need a big space to unpack things."

To that end, the artist worked closely with the Darug community, and spoke regularly with renowned Indigenous curator Matt Poll, a

liaison between Aboriginal artists and traditional owners. Matt is also delivering Tools of Knowledge, one of the other art projects.

Mellor has completed the photography portion of the artwork, with the digital files to be converted into laminated panels ahead of planned installation later in the year.

Carla Edwards, who sits on the Westmead Redevelopment's Arts and Culture Committee, is charged with rolling out the program. She says Danie has understood the space he's working in perfectly.

"It's designed to be viewed both walking alongside the images, from the plaza forecourt and also from a seated viewpoint," Carla says.

"*The River* is one of two artworks where the creative component is now completed, with the other being *The Night Sky*, which we're also terribly excited about."

For more on Westmead Redevelopment's Arts and Culture Strategy, go to: <http://www.westmeadproject.health.nsw.gov.au/get-involved/arts-and-culture-strategy>

"By using infrared photography, I've hinted at a history of this place we don't usually see. The work is large, but you need a big space to unpack things."



Proud participants ... Clinical nurse educator Versilen Zimmermann, clinical nurse specialist Elissa Yoo, and registered nurses Mahboubeh Pirmardi and Sohana King share a laugh in the newly-refurbished Redbank House courtyard.

SECTIONS of Redbank House on Dragonfly Drive and Cumberland Hospital's adult inpatient unit at Paringa have been reinvigorated to enable best-practice care in a safe environment.

Part of the Therapeutic Environment Minor Capital Works Program (TEMCWP), the acute adolescent unit at Redbank now boasts two sensory rooms, audio-visual devices, climbing wall and carers' facilities while a stylish Activities of Daily Living (ADL) kitchen has taken pride of place at Paringa. New courtyards at both units offer barbecue facilities, landscaped gardens and seating areas.

TEMCWP manager Michael Oliver said the program focused on partner co-operation to fully understand changing needs and work through challenges to provide the best health outcomes.

"Consumers, carers and staff all work together to co-design solutions," Michael said.

"These partnerships at Redbank and Paringa should be proud of their achievements."

Looking across the colourful courtyard at Redbank House, clinical nurse educator Versilen Zimmermann said a feeling of accomplishment had certainly spread throughout the unit.

"We're so excited to work here because these co-designed surroundings will help accelerate young people's recovery," Versilen said.

Partnerships design better health outcomes at Westmead, Cumberland

The new season has unveiled an extensive program of refurbishments at two mental health units across the Westmead Precinct.

She said the consumers and carers also welcomed the new space – and with good reason.

"Our young people were the voice of this refurbishment," Versilen said.

"We did lots of consultation and put butcher's paper up on the wall for consumers to brainstorm ideas. We encouraged everyone to get involved to co-design a unit that other people their age would enjoy and be helped in their health journey."

Sensory elements now fill the courtyard with pastel colours, eclectic shapes, artworks, water features, trees and aromatic flowers.

Paringa's remodelling is equally as impressive and sophisticated in terms of form, function and partnership planning.

Nursing unit manager Maryann Geelan said the new ADL kitchen

provided a practical space to prepare meals so staff could assess consumers' cooking abilities and teach new skills.

"It's also a more welcoming environment to help provide better outcomes," Maryann said.

The newly-refurbished kitchen features a servery window out to the verandah and acoustic vinyl floors to help minimise sound. Refurbishments will also support further plans to grow classes in meditation, aromatherapy, yoga and staff wellbeing.

The TEMCWP is funded by the Ministry of Health. The project includes works in the courtyard and activity room at the Hainsworth unit at Cumberland Hospital and C4A and C4B units at Westmead Hospital. More information about these works in the winter edition of The Precinct Post at: www.westmeadproject.health.nsw.gov.au

Google search for \$1m winner ends at USyd research centre

MONITORING healthy digital footprints from apps to wearables, the University of Sydney's Westmead Applied Research Centre (WARC) has won the inaugural \$1 million Google prize for a translational digital health program aimed at reducing the risk of heart attacks.

The initiative will use artificial intelligence (AI) and machine learning to deliver tailored advice and nudges to patients who have presented at hospital with chest pain.

By combining clinical and consumer-derived data, such as from mobile phone apps and wearables, with AI, it is believed the accuracy of risk assessment will be improved while creating more adaptive digital health solutions.

The prestigious prize was awarded to academic director of WARC and Westmead Hospital cardiologist, Professor Clara Chow during an event at the Westmead Education and Conference Centre.

Prof. Chow's diverse roles across WARC, Westmead Hospital and the University's Westmead Clinical School showcase the incredible opportunities for collaboration and innovation



All smiles ... The Google.org AI Impact Challenge is awarded to academic director of WARC and Westmead Hospital cardiologist, Professor Clara Chow (second from left) with managing director of Google in Australia, Melanie Silva, Federal Minister for Industry, Science and Technology, Karen Andrews, and Google lead Marija Ralic. **Below:** Prof. Chow with Emeritus Professor Stephen Leeder, University of Sydney and Western Sydney Local Health District.

throughout the Westmead Precinct.

Digital health interventions through text messages and smartphone apps have been the cornerstone of innovative research at WARC.

"We have already delivered standard SMS programs to more than 3000 consumers collecting data on consumer characteristics, responses to different message types, and how this affects health outcomes," Prof. Chow said.

"AI-driven digital health interventions have the potential to be the game changer as the technology would enable patients to be monitored

while they go about their daily lives," said Professor Chow.

Established by the University of Sydney in collaboration with the Western Sydney Local Health District, WARC delivers translational research addressing chronic illness and their causes, and the specific needs and circumstances of patients in western Sydney.

Find out more at: <https://sydney.edu.au/news-opinion/news/2019/08/07/google-awards-1m-to-university-of-sydney-to-put-ai-into-health.html>





Westmead Redevelopment

The Precinct Post is an initiative of the NSW Government's Westmead Redevelopment.

Enquiries about the Precinct Post should be directed to the Westmead Redevelopment project office on **1800 990 296** or WSLHD-WestmeadProject@health.nsw.gov.au