

HEALTHY CITY DESIGN 2019

DESIGNING FOR UTOPIA OR DYSTOPIA? PEOPLE AND PLANETARY HEALTH AT A CROSSROADS

ROYAL COLLEGE OF PHYSICIANS LONDON
14-15 OCTOBER 2019

ABBIE GALVIN PRINCIPAL, BVN



designing in the age of anxiety – shaping space through affect

**THE AGE
OF
ANXIETY**

W. H. Auden



A RANDOM HOUSE BOOK

what role do our cities,
buildings and spaces
play in contributing to
/addressing this Age of
Anxiety?



City of Justice, Barcelona, David Chipperfield Architect

does our built environment impact us?



There is a myth, sometimes widespread, that a person need only do inner work, in order to be alive like this;

that a man is entirely responsible for his own problems;

and that to cure himself, he need only change himself...

the fact is, a person is so far formed by his surroundings, that his state of harmony depends entirely on his harmony with his surroundings.



Bagsvaerd Church, Jorn Utzon



Povl Ahm Harpenden, Hertfordshire, Jorn Utzon



Streets of Gamla Stan, Stockholm

There is increasing research into how people's experiences of the places they build are central to their well-being, their physical health, their communal and social lives, and their sense of self



Tietgen Student Housing, Copenhagen, Lundgaard & Tranberg Architects



The most important characteristic of our built environment is whether it meets the needs of its occupants, residents and visitors, both material and psychological

These characteristics
are often at the
periphery of
conversations about
the future of design





POST



POST



**architectural criticism and discourse has historically been shaped
by interpretation and narrative, its currency being meaning**

cost





profit

speed of construction



risk



the modern imperative to design something unique and individual tends to override considerations of how it might shape the behaviours of those who will live with it





the pursuit of economy,
at the expense of
experience, has led to
landmark projects that
fail to recognize basic
aspects of human
behaviour

WORKPLACE
COMMUNITY / LIBRARY
HEALTH
RESEARCH
EDUCATION



BVN
WORKPLACE



STOCKLAND
WORKPLACE



SCH
HEALTH



NBH
HEALTH



UNISA CRI
EDUCATION
RESEARCH



UTS
EDUCATION
RESEARCH



WOOLLAHRA
COMMUNITY
LIBRARY



ASCHAM
SECONDARY
EDUCATION



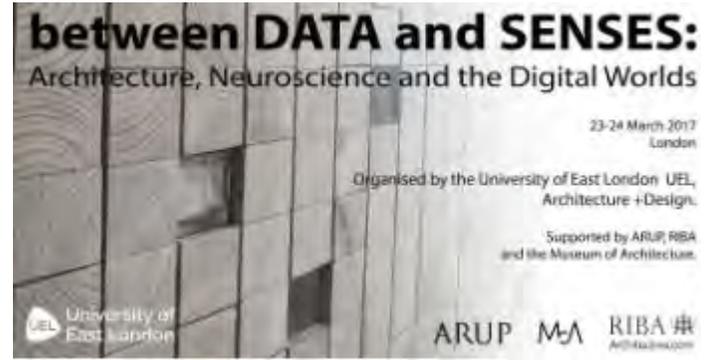
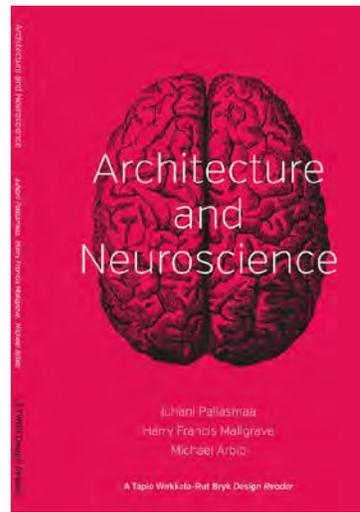
OLA
PRIMARY
EDUCATION



CSU
TERTIARY
EDUCATION

"Affects are the biological responses that attach meaning to the stimuli encountered from moment to moment. Affects are the origin of the experience of good and bad. Affects tell us what to pay attention to. They are the spotlights of our minds."

Silvan Tompkins



Neuroscience for Architecture, Urbanism and Design Summer Program

August 13th - 17th, 2018

The ACADEMY OF NEUROSCIENCE FOR ARCHITECTURE presents

ANFA INTERFACES 2011

emerging research at the intersection of neuroscience and architecture

BBC Sign in Home News Sport Reel Worklife Travel Future Cultu

FUTURE What is BBC Future?

The hidden ways that architecture affects how you feel

By Michael Bond
6th June 2017

As more of us flock to urban living, city designers are re-thinking buildings' influence on our moods in an era of "neuro-architecture".

ADVERTISEMENT

MEASURES IN HUMAN TERMS

INPUT RESPONSE OUTCOME

Environment & Context ↔ Brain, Body & Behavior ↔ Universal Human
Result an environment

We quantify the impact of built environment design differences on human performance

EEG headset
GSR
Eye tracking
ECG-EMG belt

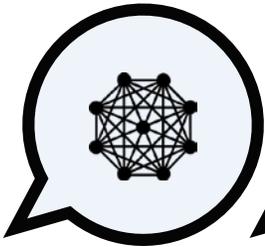
NIJLAB
NYU TANDON SCHOOL OF ENGINEERING

DARPA



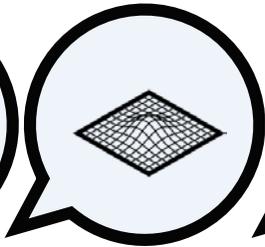
90% of our cognitions are nonconscious

01



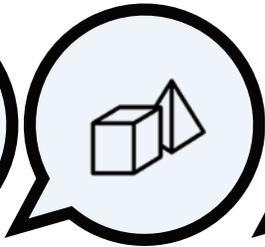
complexity

02



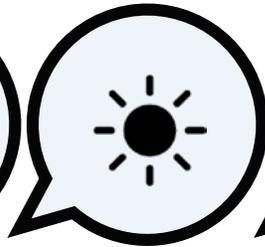
surface

03



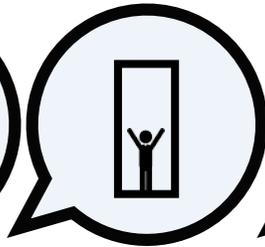
form

04



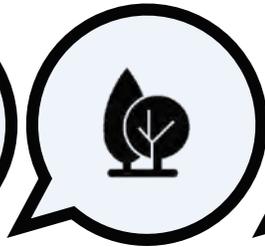
light

05



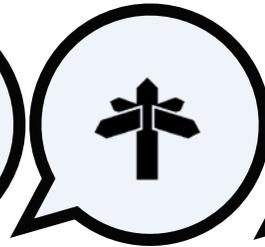
volume

06



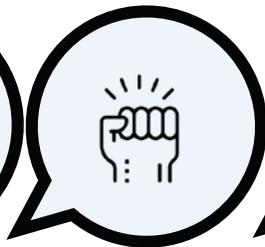
landscape

07



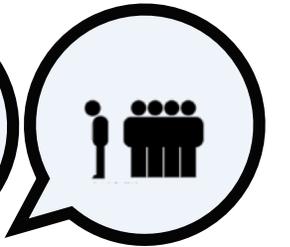
direction/
cognition

08

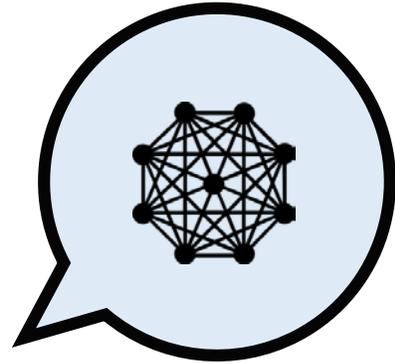


autonomy /
agency

09



social isolation

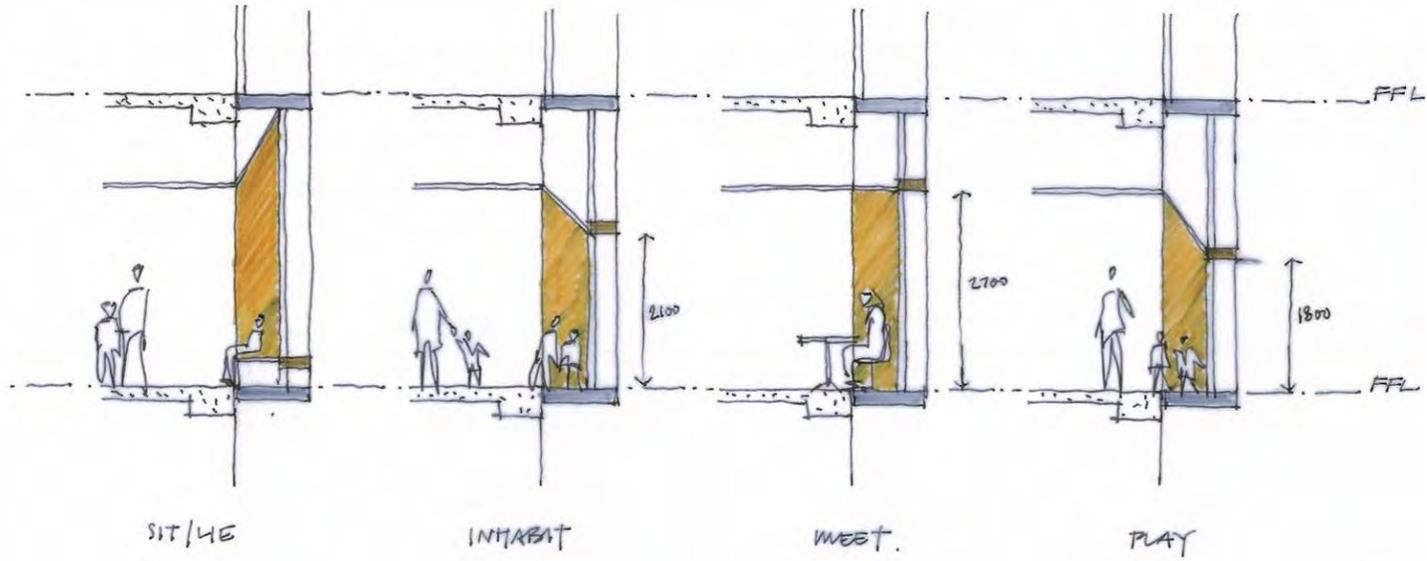


complexity



AINSWORTH
BUILDING

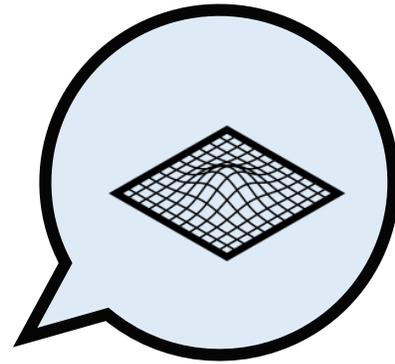






Sydney Children's Hospital, BVN





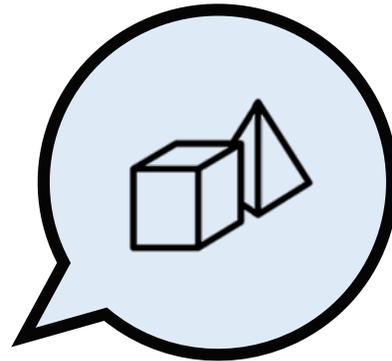
surface











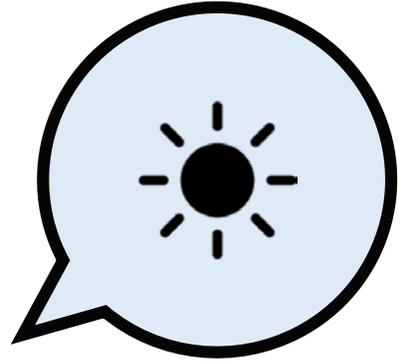
form











light



EXIT



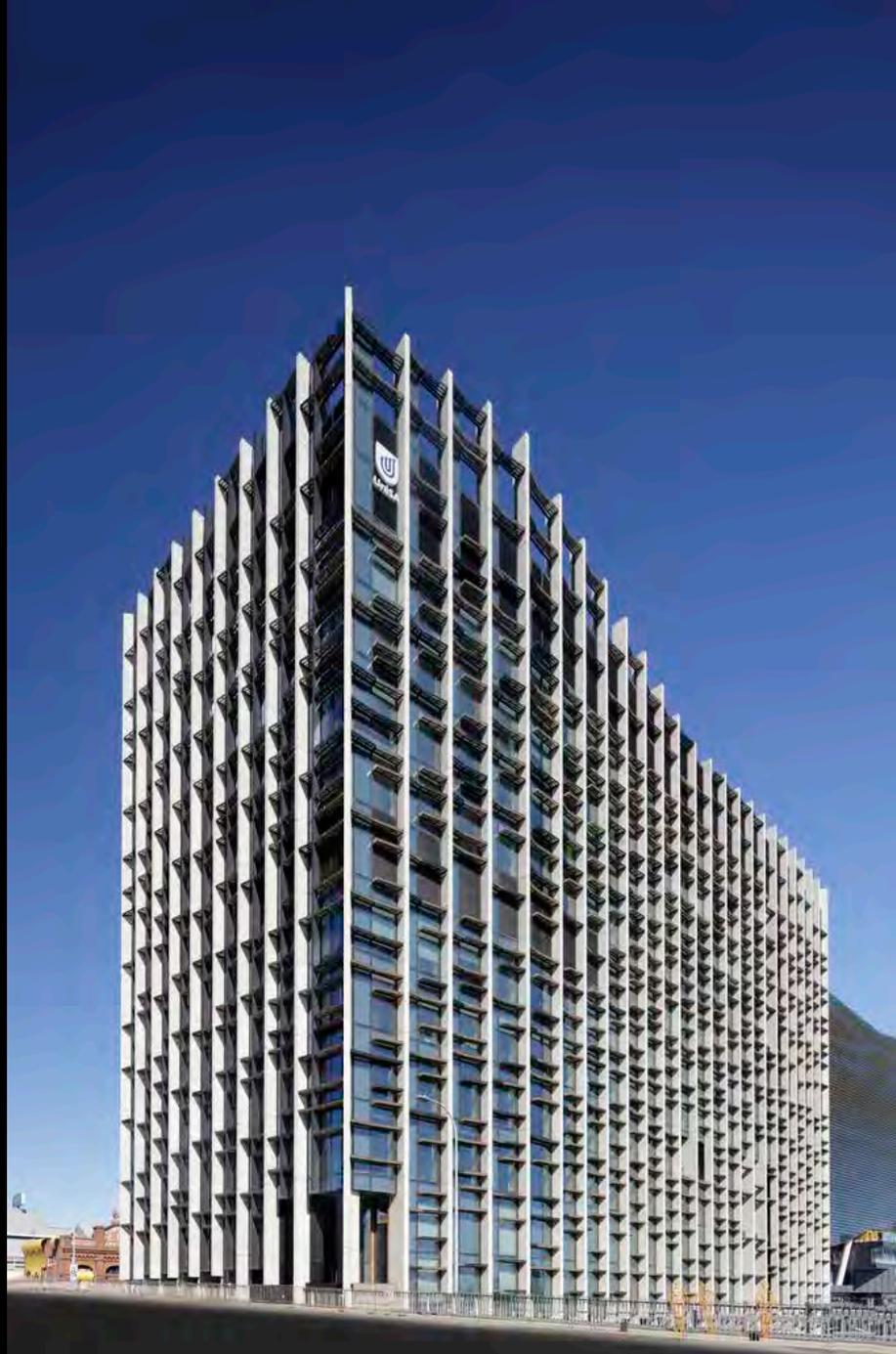


Stockland Head Office, BVN

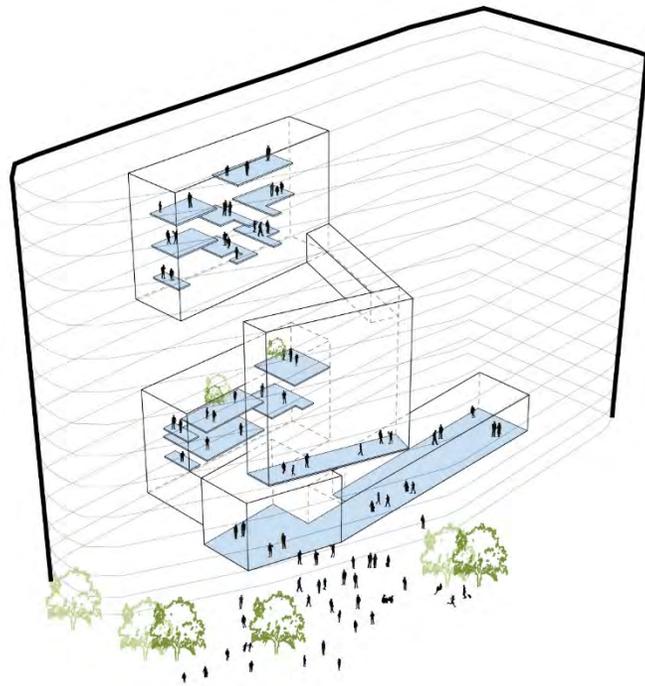


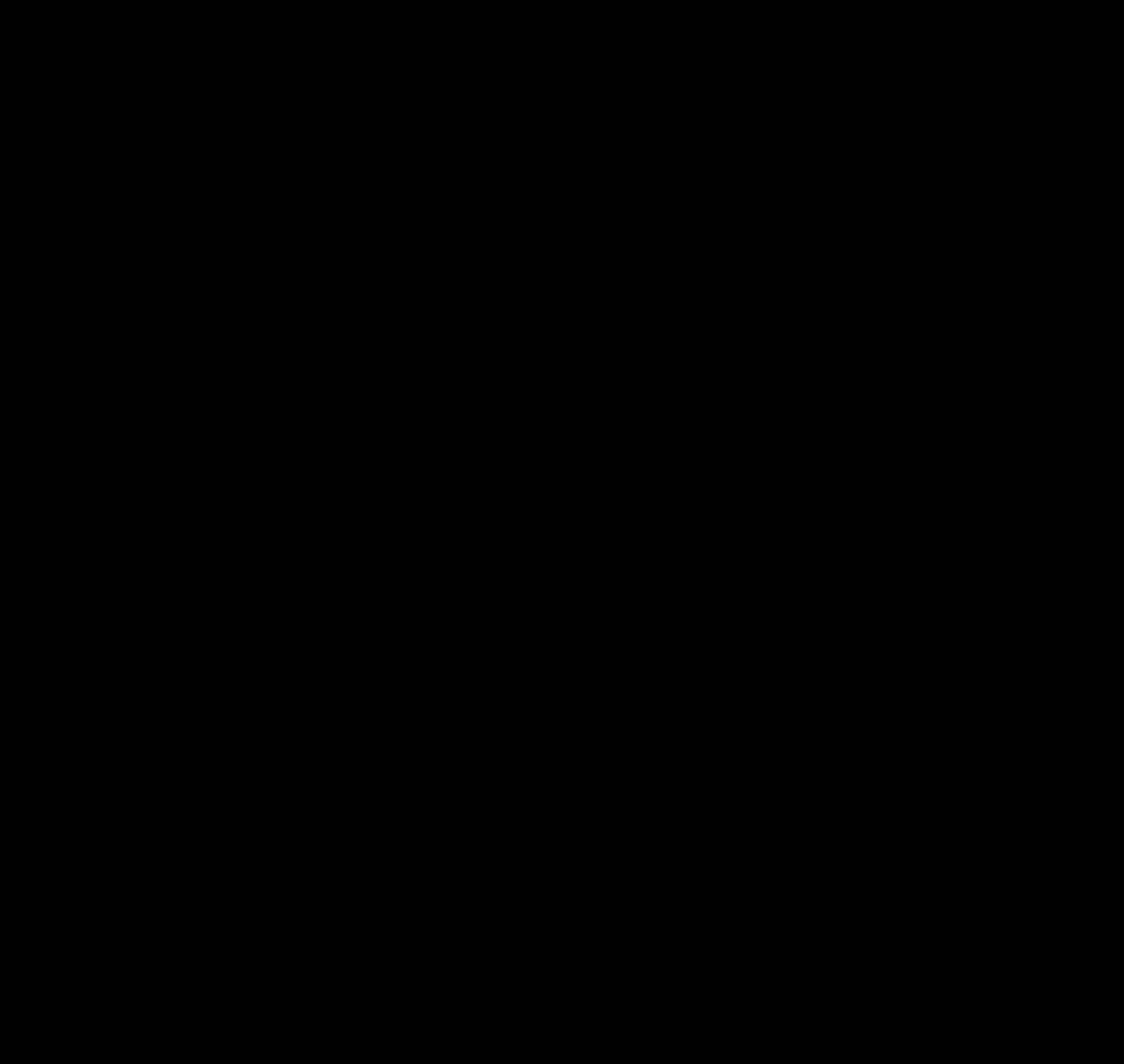


volume



UNISA, Cancer Research Institute, BVN













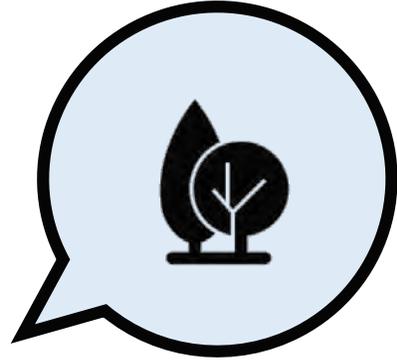
"A recurrent feature of the comments we receive is the wisdom in planning a building where the architects and users work together for maximum effect, in the way the building looks and feels and in its performance.

Many of our visitors tell us that we have "opened their eyes" about how a medical research institute should look and function and go back to their cities ready to emulate this building that we so much enjoy working in."

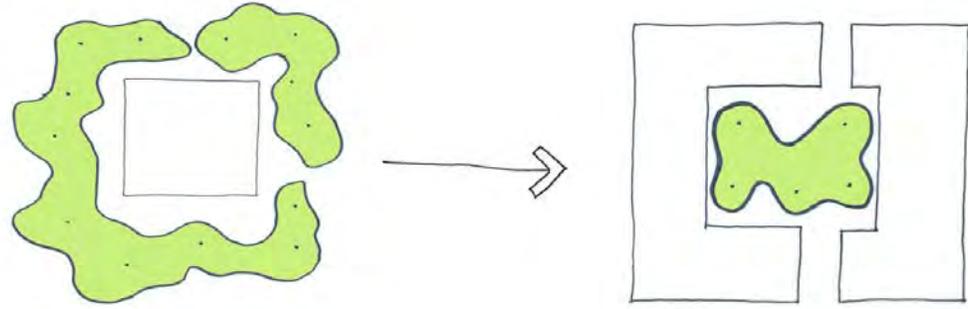
Professor Angel Lopez

Co-Director, Centre for Cancer Biology





landscape





RETURNS







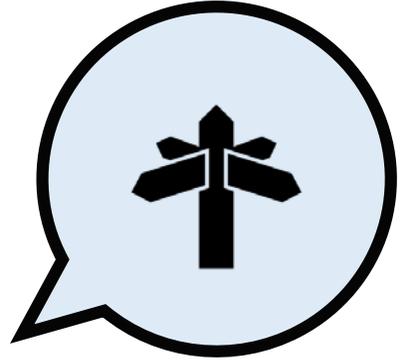




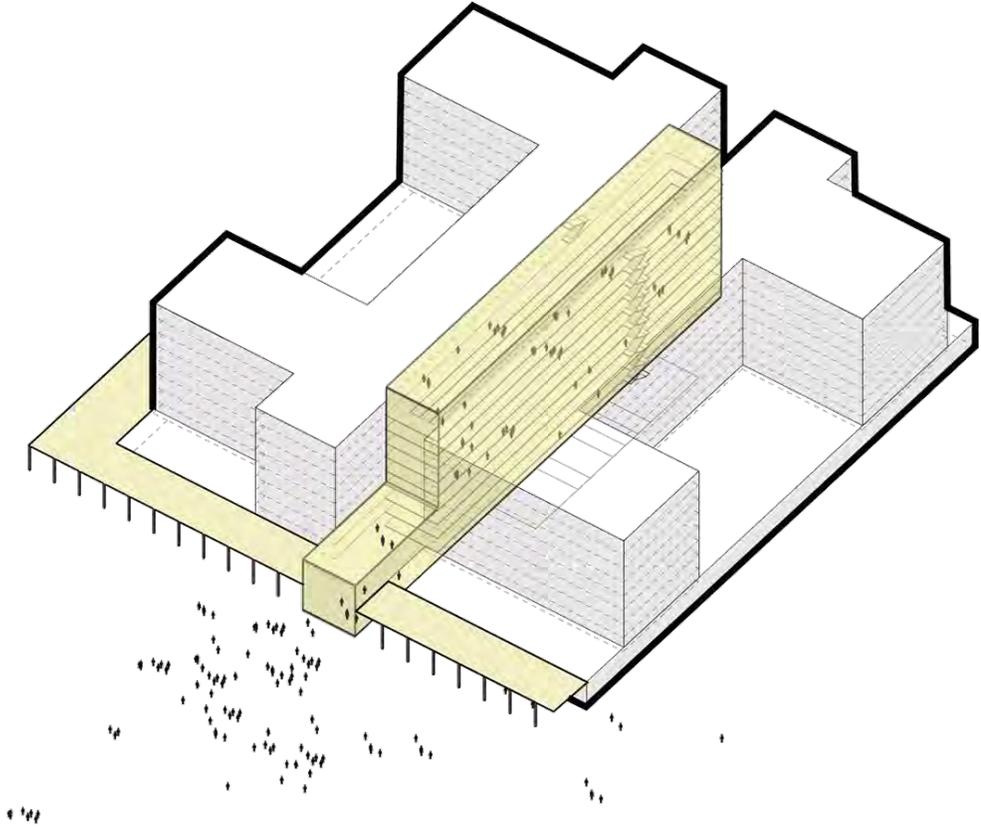


Woollahra Library, BVN

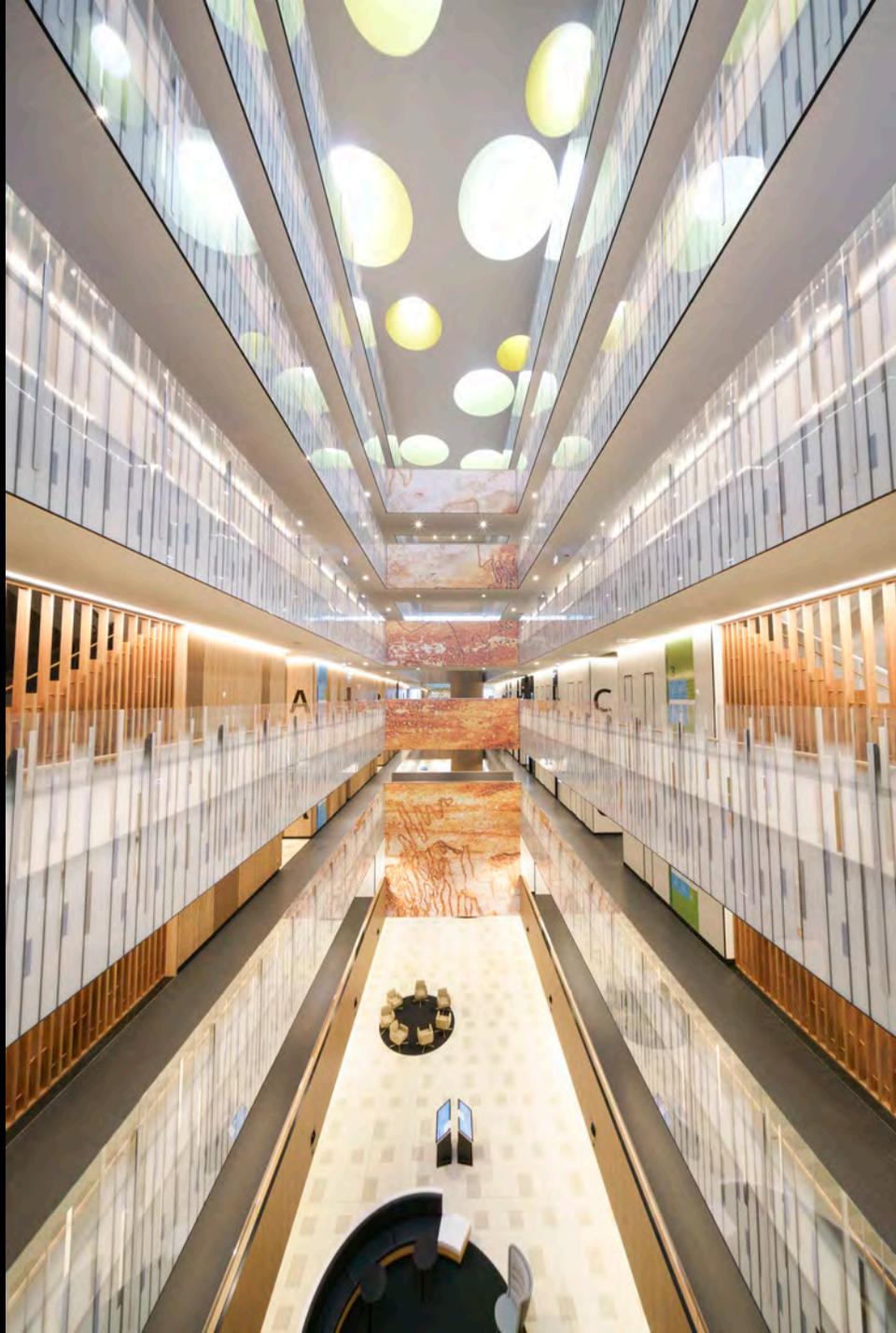


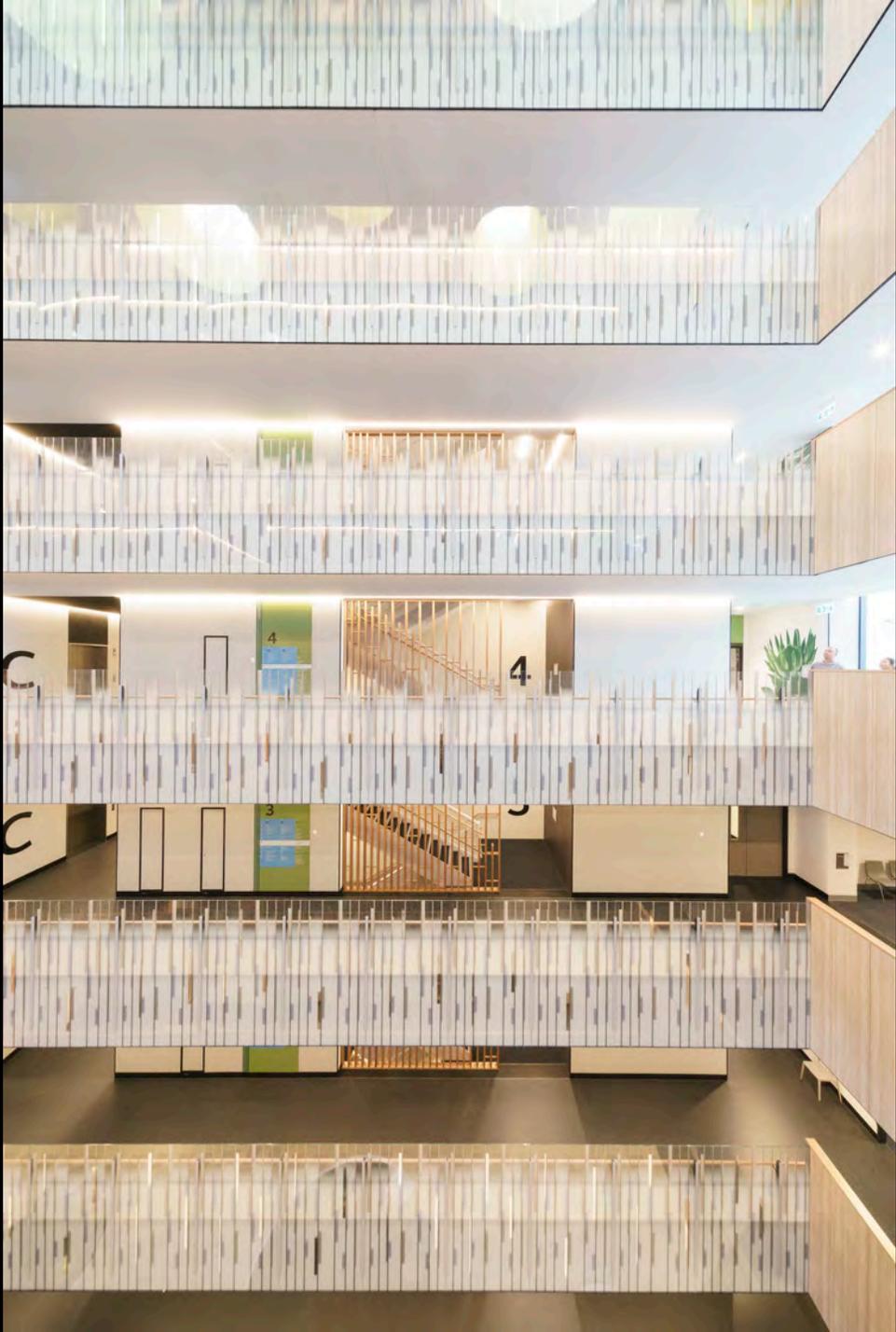


direction/cognition









Northern Beaches Hospital, BVN









PTR

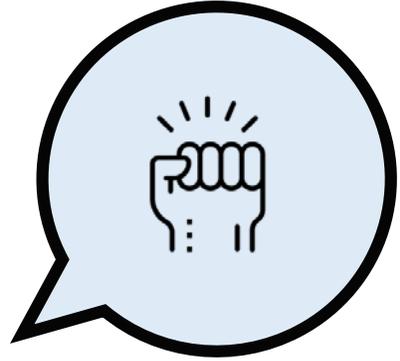
COMMUNICATIONS

B

PTR

COMMUNICATIONS

B



autonomy/ agency



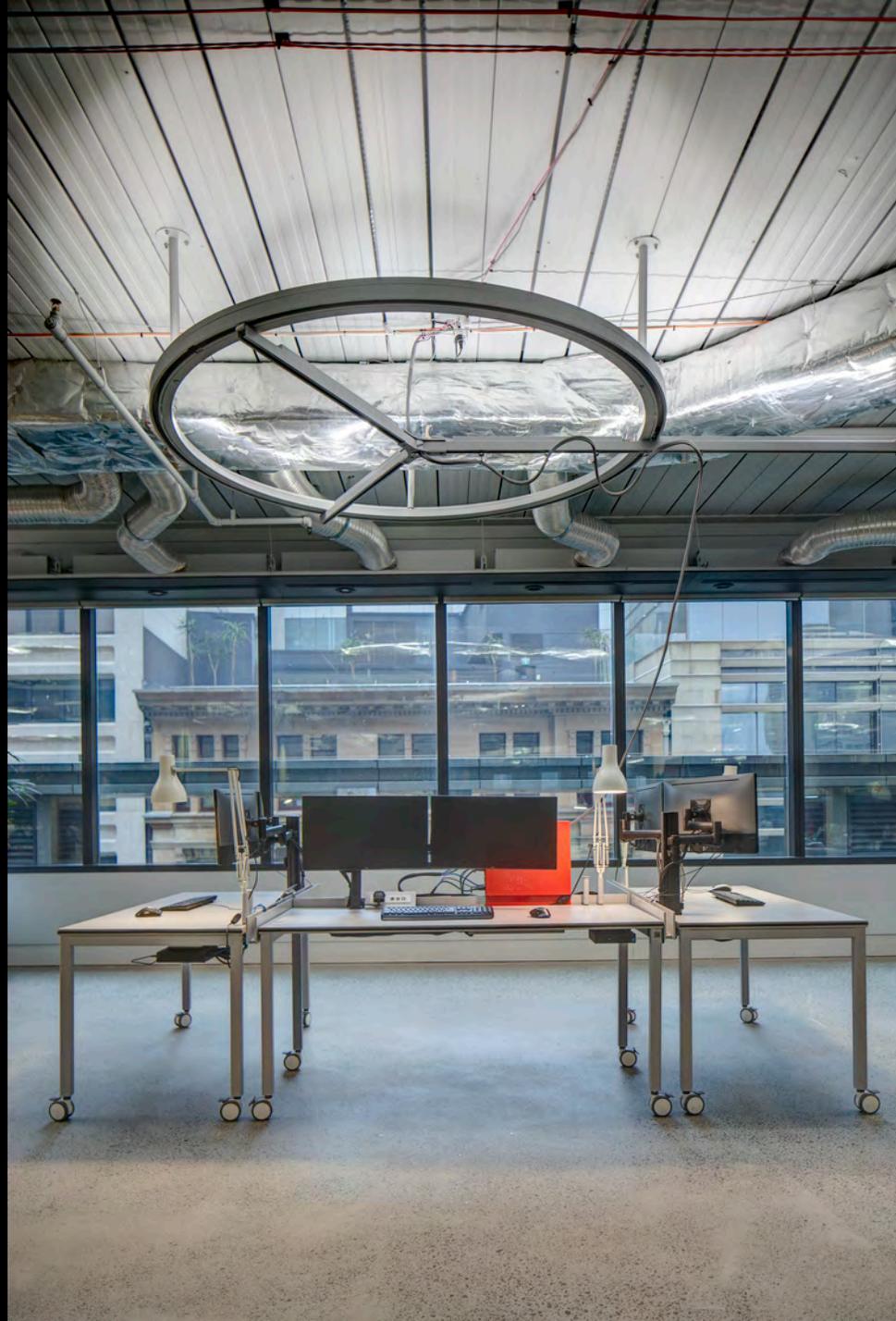






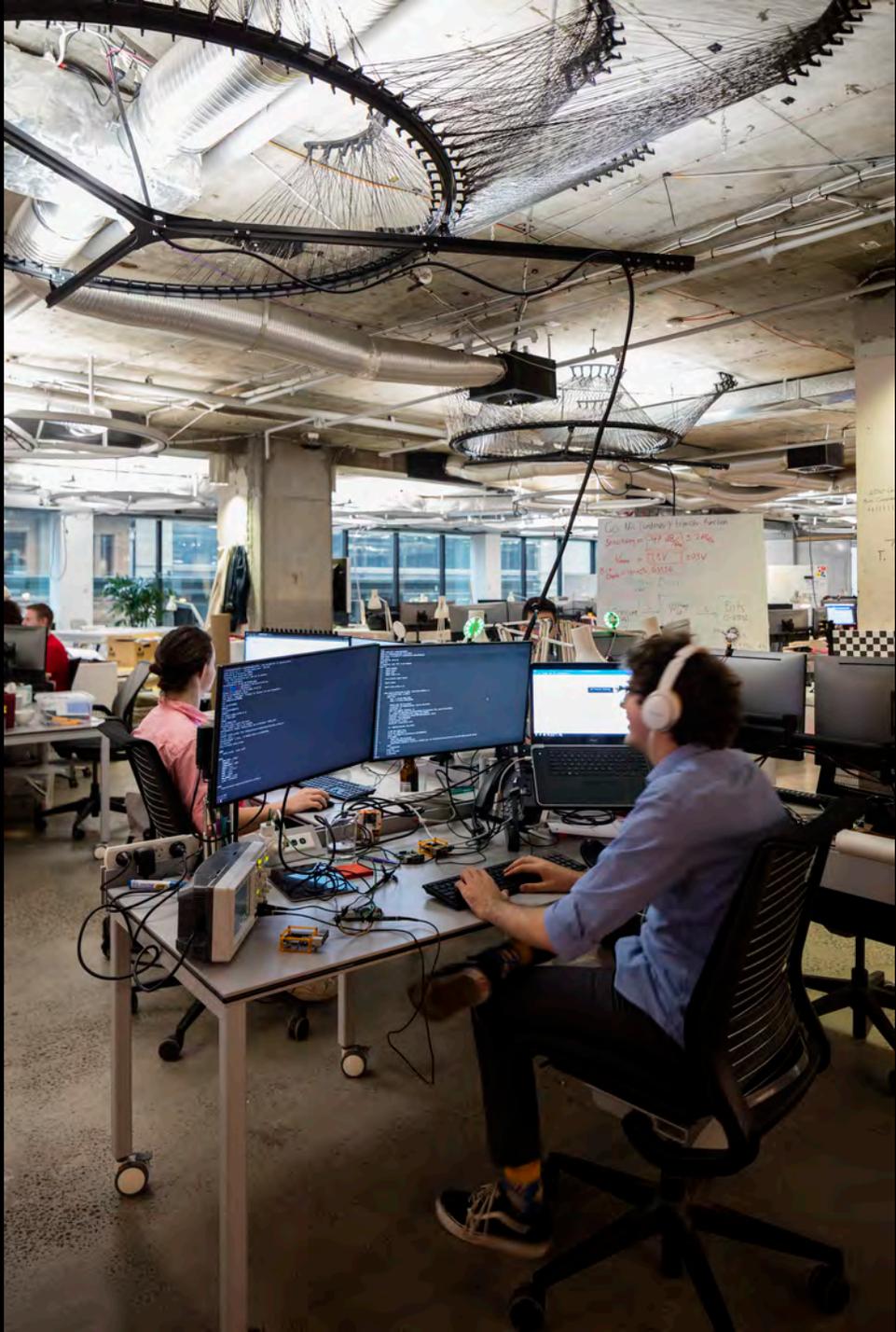














social isolation



Charles Sturt University, Port Macquarie Campus, BVN







Charles Sturt University, Port Macquarie Campus, BVN



Charles Sturt University, Port Macquarie Campus, BVN



Charles Sturt University, Port Macquarie Campus, BVN



Charles Sturt University, Port Macquarie Campus, BVN



important for how we act in the present...how we will conduct ourselves in the future



thankyou

