



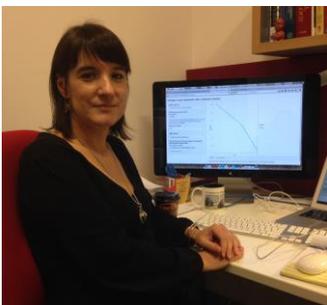
HARRY PERKINS INSTITUTE
OF MEDICAL RESEARCH



PERKINS Seminar Series

www.perkins.org.au

THURSDAY 6 APRIL



Associate Professor Ana Traven

Head of the Laboratory for fungal pathogenesis
Monash University

"Mechanisms of immune evasion by microbial pathogens"

Ana Traven obtained her PhD in 2002 from the University of Zagreb Croatia, followed by postdoctoral training at the St. Vincent's Institute in Melbourne (2003-2008). In 2009, she was recruited to Monash University, where she is currently an Associate Professor and Head of the Laboratory for fungal pathogenesis.

The Traven lab studies how the human fungal pathogen *Candida albicans* evades immune destruction and resists antifungal drug attack. *C. albicans* causes systemic infections that have mortality as high as 40% even when antifungal therapy is administered. Ana and her team discovered new regulators of the formation of drug-resistant biofilms on medical surfaces (*PLoS Genetics* 2012 and *PLoS Genetics* 2015), demonstrated how *Candida* evades immunity by triggering programmed cell death of macrophages (*mBio* 2014 and *mSphere* 2016), and characterized metabolic regulation of antifungal drug susceptibility, including defining for the first time the mitochondrial biogenesis apparatus in a fungal pathogen thereby paving the way for combinatorial therapy (*Mol Microbiol* 2011, *PNAS* 2012). The lab has further collaborated with the CSIRO and the biotech company Hexima to characterize agents for future antimicrobial drug development (*Journal of Antimicrobial Chemotherapy* 2016, *Biomacromolecules* 2013, *Antimicrobial Agents and Chemotherapy* 2013). Work in the Traven lab has been supported by grants from the NHMRC, ARC and international funding from the Croatian Unity Through Knowledge Fund.

12:00pm till 1:00pm
followed by a light lunch

For more information please contact Aleksandra Filipovska

E: aleksandra.filipovska@uwa.edu.au

MCCUSKER AUDITORIUM, HARRY PERKINS INSTITUTE OF MEDICAL RESEARCH, NORTH CAMPUS

1

2

3

4

5

Aberdare Rd

To Perth

A

Your Guide to the



HARRY PERKINS INSTITUTE OF MEDICAL RESEARCH

B

C

D

E

F

Campsie St

Verdun St

Kingston St

Gairdner Dr

Waiting Walk

Hospital Ave

Winthrop Ave

Kings Park

Child Care

Under Construction

Lions Eye Inst

Under Construction

Staff Car Park 4

HARRY PERKINS INSTITUTE

PathWest

Main Entrance & Admissions

EMERGENCY

Multi Deck Car Park Phase 2

HH

WW

YY

Q

P

N

Car Park 7B

L

JJ

K

J

M

G

F

E

D

C

B

A

CC

Hollywood Private Hospital

Visitor Car Park 3A

Visitor Car Park 7 8.00am - 4.00pm

Under Construction (New Children's Hospital)



Western Power Sub Station

Staff Car Park 3

Staff Car Park 7A

UWA Car Park

To Stirling Hwy

Monash Ave

Caladonia Cres

Caladonia Cres

Hempden Rd

Emergency Helipad

Visitor Car Park 1

Visitor and Staff Multi Deck Car Park (Entry off Winthrop Ave Only)

To Harry Perkins

Multi Deck Car Park Phase 2

Under Construction (New Children's Hospital)

To Stirling Hwy