

SCIENCE WORKSHOPS IN GERMAN

FRIDAY
18 AUGUST 2017
1.30 – 5 PM



Dear Students,

How do we get rid of space debris that orbits the world? What can we do to halt resistance to antibiotics? How do immune cells respond to infection? Step into a scientist's shoes and find out.

**SPEAK GERMAN
+ STUDY SCIENCE**

PROGRAM

1.45 – 2.00 pm

Welcome by Eva Baker,
Deputy Director of the
Goethe-Institut Australien

2.00 – 4.15 pm

Workshops with German
speaking scientists

4.30 – 5.00 pm

Presentation on studying
in Germany by the German
Academic Exchange Service
(DAAD)

Parents are welcome to
join in for the last part
commencing at 4.30pm.

Working in small groups you will explore the work of three scientists.

Adaptive Optics for Space Debris applications

With Dr. Doris Grosse (Australian National University)

60 years of space travel has created millions of pieces of space debris that continually orbits the Earth. This debris is now threatening our global satellite network. Doris explores a possible solution to this problem with you.

What does antimicrobial resistance mean for the world?

With Dr. Helmut Thissen

(Commonwealth Scientific and Industrial Research Organisation CSIRO)

Antimicrobials save millions of lives every year. Most of us have had antimicrobials before: in the form of antibiotics. But greater resistance to antibiotics is constantly developing. What can we do? Helmut's research focuses on the surfaces of medical devices and implants and how we can make them safe by reducing the risk of infection.

GlitterBugs: How clean are your hands?

With Dr Marie Greyer (University of Melbourne)

You may not be aware but many microscopic bugs and bacteria live on our skin and within our bodies. Some are beneficial to us whilst others can cause harm. The 'GlitterBug' experiment highlights the abundance of bugs that live in our environment, such as those that reside on our hands.

Bonus Workshop: LEGO-Robots Space-Mission

With Kaja Eling (Goethe-Institut Australien)

The Goethe-Institut's new LEGO-Robots go on a mission to Mars.
Make sure your Robot doesn't get lost in space!



Goethe-Institut in Melbourne

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