



# Kate Patterson

BVSc, PhD, R.B.I., MPhil

 @katepatt

 @medipics

 Kate Patterson

medipicsandprose@gmail.com

medipicsandprose.com.au

I help people educate, communicate, inform, and more effectively connect their message with their audience.

## PERSONAL ATTRIBUTES

Active listening  
Leadership  
Open mindedness  
Time management  
Lateral thinking  
Collaboration  
Communication  
Infinite mindset

## PROFESSIONAL SKILLS

2D/3D animation and illustration  
Adobe Creative Suite  
Autodesk Maya  
Molecular Maya  
Storytelling and storyboarding  
Immersive visualisation  
Multimedia design in education  
Science writing  
Research

## EDUCATION

2015-2021

**MPhil - Media Arts**

UNSW Art and Design

2013-2014

**Registered Biomedical Illustrator (R.B.I.)**

Australian Institute of Medical  
and Biological Illustration (AIMBI)

2005-2008

**PhD - Molecular Biology of Ovarian Cancer**

University of New South Wales, Sydney and  
the Garvan Institute of Medical Research

1999-2003

**Bachelor of Veterinary Science (BVSc Hons I)**

The University of Sydney

2003

**Leadership Program for Veterinary Students**

Cornell University

2002

**Australian National University Summer Scholar**

John Curtin School of Medical Research

**I am driven by helping others achieve clarity in abstract concepts.** I create animations and illustrations using authentic scientific data, and blend storytelling with the tools of art and design. Through strategic design, creative production and innovative execution, my bespoke animations and illustrations help people communicate more effectively and engage more deeply with their audiences.

I am self motivated, innovative, collaborative and open minded. I listen well and learn quickly. I was a veterinarian before pursuing my interest in the origins of cancer and completed my PhD at the Garvan Institute of Medical Research, Sydney in cancer biology. It was during my PhD that I realised my passion is communicating science. I have experience and skills in strategic design and leadership, science writing, illustration and 3D/2D animation. I connect closely with people and strongly advocate for girls in STEM.

I completed an MPhil (Masters by Research) in Media Arts at The University of NSW, Sydney. My research interests include animation and visualisation in education, and I use practice-led and reflective practice approaches to explore research questions related to the field of scientific visualisation and biomedical animation.

## CAREER HISTORY

**Senior Visual Science Communication Officer** - 2011-present

Garvan Institute of Medical Research, Sydney Australia

Managed the visual communication team and lead visual communication programs for various multimedia platforms including virtual reality and immersive visualisation. Managed multiple stakeholder relationships and engagement associated with the staff and student exchange program with the Weizmann Institute of Science Israel. Developed and implemented design strategies and education programs in visual communication for the wider research precinct. Produced and directed visual communication materials including 3D and 2D animations and illustrations as part of fundraising initiatives with the marketing and communications team in the Garvan Research Foundation. Carried out primary research and published in both popular science outreach channels and peer reviewed research journals as a thought leader in visual science communication. Invited to speak at various events as an advocate for girls in STEM and TECH careers.

**Founder and Director** - 2010-present

MediPics and Prose, freelance 3D/2D animation and illustration, strategy and solutions in visual communication and science writing

**Senior Lecturer - Fundamentals of research** - 2015-2017

University of New South Wales, Sydney, School of Architecture, Art and Design

**Senior Science Writer** - 2011-2012

National Breast Cancer Foundation

**Postdoctoral Research Officer** - 2009-2011

Garvan Institute of Medical Research, Cancer Research Program, signal transduction

**Small Animal Veterinarian** - 2004-2008

USYD Teaching Hospital Camden, Allambie, and Castle Hill Veterinary Hospitals