PASSPORT

Life After a PhD
A Career Pathway Workshop 2019
Translational Cancer Research Network
Contents

Welcome from the TCRN 2
Booking Information 4
Mentors Biographies 5
Helpful tips for the road 23
Welcome Message from the TCRN

Welcome to the 2019 PhD Career Pathway Workshop!

As part of TCRN’s ongoing commitment to support the future cancer workforce, we have developed a workshop to demonstrate the multiple career pathways in which a PhD can be utilised.

We look forward to an interactive workshop where invited mentors will share their insights into what they consider to the key success factors and strategies required to successfully navigate cancer research, policy or industry careers.

TCRN Team
# Booking information

**TODAY’S DATE:** 19 August 2019  
**RESERVATION ID:** 12.00.17.00 EBB.POWH.Randwick  
**PASSENGER:**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Facilitators/speakers</th>
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<tbody>
<tr>
<td>12:00 – 12.30</td>
<td><strong>Registrations and Light Lunch – Speakers to meet</strong></td>
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<tr>
<td>12:30 – 12:40</td>
<td>Welcome and introductions from the TCRN</td>
<td>Jane Phillips</td>
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<td>David Goldstein</td>
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<td>12:40 – 12.45</td>
<td>Complete a Pre-survey</td>
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| 12:45 – 1:25    | **Keynote Presentations (10 minutes each):** Mentors’ personal stories on “why I chose this field, how I did it and how I am still doing it” and challenges and opportunities they have faced in their careers so far.  
|                 |                                                                         | • Industry - Kevin Lynch  
|                 |                                                                         | • Academia –Karen Canfell  
|                 |                                                                         | • Clinician/research – Geoffrey Delaney  
|                 |                                                                         | • Government – Cleola Anderiesz                                                     |
| 1:25 – 1:45     | **World Café Group Session 1**                                          | All mentors                                                                          |
| 1:45 – 2.00     | **Mentors’ Story (3 minutes each)** TED-style talk: “My career pathway”  | Sharon Kilbreath                                                                     |
|                 |                                                                         | Orin Chisholm                                                                        |
|                 |                                                                         | Mark Cowley                                                                          |
|                 |                                                                         | Natalie Taylor                                                                       |
| 2.00 – 2.10     | **Travel to Session 2**                                                 |                                                                                      |
| 2:10 – 2:30     | **World Café Group Session 2**                                          | All mentors                                                                          |
| 2:30 – 2:45     | **Mentors’ Story (3 minutes each)** TED-style talk: My career pathway    | Mary Bebawy                                                                          |
|                 |                                                                         | Julie Ince-Demetriou                                                                  |
|                 |                                                                         | David Thomas                                                                         |
|                 |                                                                         | Paul Jackson                                                                         |
| 2:45 – 3:10     | **Networking & Afternoon break**                                        |                                                                                      |
| 3:10 – 3:25     | **Mentors’ Story (3 minute each)** TED-style talk: My career pathway     | Phil Haywood                                                                         |
|                 |                                                                         | Qiao Qiao                                                                             |
|                 |                                                                         | Ashwin Unnikrishnan                                                                  |
|                 |                                                                         | Emma Ramsay                                                                          |
| 3:25 – 3:45     | **World Café Group Session 3**                                          | All mentors                                                                          |
| 3:45 – 4.05     | **Mentors Discussion** Mentors thoughts after the sessions:  
|                 |                                                                         | - Mentors share recurring /interesting questions from the students                   | Jane Phillips |
| 4.05 – 4.25     | **Students Discussion** Students’ thoughts after the sessions:  
|                 |                                                                         | - What did you get out of the workshop?  
|                 |                                                                         | - What would be 3 take home messages?                                               | David Goldstein |
| 4:25 – 4:30     | Close: Complete a post-survey                                           |                                                                                      |
|                 |                                                                         | Jane Phillips                                                                        |
|                 |                                                                         | David Goldstein                                                                     |
| 4.30 – 5.00     | Networking                                                              |                                                                                      |
Facilitator Biography

Professor Jane Phillips

Professor of Palliative Nursing and Director of the interdisciplinary Centre for ‘Improving Palliative, Aged and Chronic Care through Clinical Research and Translation (IMPACCT) at the University of Technology Sydney. Jane has experience in delivering evidenced-based palliative care across diverse settings, including rural and regional Australia. She has led and evaluated complex health service reforms and has led a number of major cancer and palliative care reform initiatives at the local and national levels. Jane’s research aims to improve care outcomes for people in the last year of their life by strengthening the nexus between research, policy and practice. She is currently evaluating non-pharmacological interventions to improve pain, breathlessness and delirium; looking at health services that can improve care for older people with cancer, and; undertaking translational research in the areas of pain management and symptom management. She has developed and evaluated nurse-coordinated models of palliative care and has extensive experience in cancer and chronic disease nursing and research. Jane is the current President of Palliative Care Nurses Australia and a TCRN Chief Investigator and co-lead of the TCRN ‘Workforce 2025’ Flagship.
Professor David Goldstein is the Director of the TCRN at UNSW. David brings together expertise across cancer research and clinical practice domains, delivering infrastructure and research enablers to support the clinical, educational and research endeavours of TCRN members and partners. David is a conjoint clinical professor at the Prince of Wales Clinical School, UNSW and a senior staff specialist in the Department of Medical Oncology at the Prince of Wales Hospital, Randwick. His research is focused on novel therapeutics trials and clinical research into pancreatic cancer, gastrointestinal stromal tumours and renal cell carcinoma; and on the psychosocial aspects of cancer care.

David was the treasurer of the AGITG until 2016, was the president of COSA (2006-2008) and on the first executive board of COSA (2013-2015) and was a founding member of the NSW Pancreatic Cancer Network. He is also the recipient of the Gold Maryalyan Award for services to COSA, the Vietnam Peoples Health Medal for contributions to improving cancer services to in Hue, Vietnam and the make a difference award for pancreatic cancer from the CINSW.
Professor Karen Canfell

Professor Karen Canfell is Director of the Cancer Research Division at Cancer Council NSW and Adjunct Professor at Sydney Medical School, University of Sydney. She holds a D.Phil. (PhD equivalent) in Epidemiology from the University of Oxford. Her work involves the evaluation and translation of new strategies for cancer screening. A focus has been the interplay between HPV vaccination and cervical screening in both high and low resource countries. She has led economic evaluations of new cervical screening approaches for government and her group’s work also underpins the current Renewal (review) of the National Cervical Screening Program in Australia.
Mentors – Academia

Associate Professor Mark Cowley

Associate Professor Mark Cowley is a bioinformatician whose research is focused on developing innovative computational approaches to improve health outcomes. Mark joined Children’s Cancer Institute in 2018 to establish a new computational biology group, bringing his bioinformatics expertise to the Zero Childhood Cancer personalised medicine program as well as a number of other research programs at the Institute.

Best-known for his translational bioinformatics work, Mark previously worked with the Australian Pancreatic Cancer Initiative, and the Kinghorn Centre for Clinical Genomics at the Garvan Institute. Here, he led the development of clinical-grade whole genome analysis, which has now been commercialised, and developed into one of the first whole-genome-sequencing-based pathology tests in the world. He was also instrumental in leading the development of the computational biology underpinning the now-national MoST program, Australia’s largest precision medicine trial for adults with rare cancer.

Your notes
Mentors – Academia

Associate Professor Mary Bebawy

Associate Professor Mary Bebawy has a PhD in Pharmacy (USYD) and is the Head of the Laboratory of Cancer Cell Biology and Therapeutics, Graduate School of Health UTS. She has an active research portfolio focusing on the molecular basis of cancer relapse. She is an internationally recognized cancer researcher and pharmaceutical scientist with a background in commercial R & D. Her team were the first to discover the role of extracellular vesicles (EVs) in the spread of cancer multidrug resistance (MDR) (Bebawy et al., 2009). Since this discovery, A/Prof Bebawy and her team were the first to also discover that EVs can re-template the proteome and transcriptome of cancer cells to ensure the transfer and dominance of cancer traits within cell populations (Jaswail et al., 2012; Lu et al., 2013; Pokharel et al., 2014; Gong et al., 2013; 2014). These findings have since been translated clinically with her team discovering the utility of EVs as a prognostic in Myeloma (Krishnan et al., 2016).
Associate Professor Natalie Taylor

Associate Professor Natalie Taylor is a health psychologist and implementation scientist with expertise in health and organisational behaviour change. Based in the Cancer Research Division at Cancer Council New South Wales, her research currently focuses on the impact and cost-effectiveness of behaviour change and implementation science approaches on the translation of evidence into clinical practice to improve healthcare delivery and outcomes for patients.

Leading a research team of eight, including post-doctoral researchers and PhD students, Natalie’s current program of work is funded by a Cancer Australia Project Grant and a Cancer Institute NSW Career Development Fellowship. She is also a chief investigator to an Australian Genomics Health Alliance project focusing on the implementation of genomics across Australia, and a multi-state NHMRC Partnership Project Grant.

Your notes
Mentors – Clinic

Professor Geoffrey Delaney

Professor Delaney is the Director of Cancer Services for the South Western Sydney Local Health District (SWSLHD) and Director of Liverpool Cancer Centre. He is an experienced Radiation Oncologist with his main areas of expertise being in breast cancer, radiation oncology, service planning and health services research. He has a PhD and an MD for research into radiation oncology. He is also a conjoint Professor for the University of NSW and University of Western Sydney.

Professor Delaney has over 200 publications and has been successful with NHMRC and NSW Cancer Institute grants. He holds numerous committee responsibilities including for the National Breast and Ovarian Cancer Centre, NSW Health, NSW Cancer Institute. Professor Delaney is the lead clinician in the development of an Area-Cancer Registry project for NSW Cancer Institute. The NSW Cancer Institute Area Cancer Registry is a major state-wide project that is likely to deliver high-quality cancer and treatment data for all registered cancers in NSW.
Mentors – Clinic

Professor David Thomas

Prof Thomas is Head of the Cancer Division at the Garvan Institute of Medical Research, and Director of The Kinghorn Cancer Centre. He is a NHMRC Principal Research Fellow and medical oncologist whose focus is on the application of genomic technologies to the understanding and management of cancer. Prof Thomas founded the Australasian Sarcoma Study Group, a national research organisation, and established Australia’s leading adolescent and young adult cancer unit at the Peter MacCallum Cancer Centre. Dr Thomas leads the International Sarcoma Kindred Study, now recruiting from 23 centres in 7 countries, and led the first international study of denosumab in Giant Cell Tumor of bone, leading to FDA and TGA approval. He has over 150 research publications, including lead or senior author papers in Cancer Cell, Molecular Cell, Journal of Clinical Investigation, Lancet Oncology, JAMA Oncology, and Journal of Clinical Oncology. Since moving to NSW, he has established the Genomic Cancer Medicine Program, a multi-institutional precision medicine program for patients with rare and early onset cancers. He is a member of Sydney Catalyst's Governing Council & Scientific Advisory Committees and in 2018, he became President of the Connective Tissue Oncology Society, the peak international body in his field.

Your notes
Professor Sharon Kilbreath

Professor Sharon Kilbreath is a leading researcher on rehabilitation for women treated for breast cancer from the Faculty of Health Sciences at the University of Sydney. Her team is multidisciplinary, and includes physiotherapists, occupational therapists, exercise physiologists, physicists, breast surgeons and oncologists, nurses, and biostatisticians. This group is making major international impact in two areas (i) management strategies for the musculoskeletal problems that arise as a consequence of surgical and medical treatment for breast cancer and (ii) the improvement, diagnosis, and treatment of lymphoedema. Professor Kilbreath’s team has been successful in attracting external competitive grants to examine physiological aspects as well as rehabilitation strategies for women treated for breast cancer.

Additionally, Professor Kilbreath has successfully attracted external funding to investigate issues related to improvement in walking ability following stroke. Professor Kilbreath is currently the Deputy Dean, Academic at the Faculty of Health Sciences.
Mentors – Industry

Associate Professor Orin Chisholm

Associate Professor Orin Chisholm is the Program Director for Pharmaceutical Medicine and a senior lecturer at UNSW. Dr Chisholm began her career in basic research into the molecular biology of leukaemia and haematopoiesis completing her PhD studies at CMRI. She then continued her research in both the USA and Australia.

After 16 years in basic research she moved into the area of regulatory science, holding a number of positions in the pharmaceutical industry. She has spent the last 16 years working and lecturing in the areas of development and regulation of therapeutic and gene technology products and she has considerable expertise in the risk assessment of these products.
An Australian trained physician, Kevin Lynch joined the Pharmaceutical Industry in 1993, continuing studies in Pharmaceutical Medicine. He gained his Membership of the Faculty of Pharmaceutical Medicine in 1998 by thesis and was awarded Faculty Fellowship in 2004.

During 25 years in Clinical Development and Medical Affairs, he has managed all aspects of drug development, including many Phase I through to Phase III and post-registration studies, as well as establishing departments responsible for Clinical Development and Medical Affairs, Drug Safety, Medical Information and Scientific Communications. He was Oncology Medical Director for Novartis Australia and New Zealand and played key roles in the clinical development and registrations of Glivec, Tasigna, Exjade, Zometa, Femara, and Sandostatin. In 2008 he joined Celgene Pty Ltd as Medical Director for Australia and New Zealand, and then as Director, Clinical Development and Medical Affairs, Asia-Pacific. At the beginning of 2011 he moved to Switzerland as Vice President, Clinical Research and Development for Europe, supporting the development of products including Revlimid, Pomalyst, Vidaza, enasidenib and luspatercept. He returned to Asia-Pacific in 2014 as Vice President, Clinical Development and Medical Affairs for this region. Kevin is co-author on more than 100 publications and abstracts at international meetings.
Dr Julie Ince-Demetriou has a diverse background combining clinical research, leadership and management expertise, having had a career spanning 20 years across the private and public sector. Julie holds a Bachelor's degree with Honours in Applied Chemistry and a PhD in Organic Chemistry from the University of Exeter, UK. Julie started her career as a Medical Representative, before moving into various clinical development and senior management roles across industry, with IQVIA, GSK and Pfizer. She was then appointed the Head of the Clinical Trials Program in the Strategic Research Investment Division of the Cancer Institute, NSW, the State Governments Cancer Control Agency. In 2015, Julie returned to industry, where she now holds the position of Associate Director in AstraZeneca, responsible for leading the strategic development and delivery of the early phase research program in Australia and New Zealand and represents industry on several research advisory committees, including for AusBiotech and NSW Health Office of Health and Medical Research. Julie is also an industry mentor as part of the Industry Mentoring Network in STEM (IMNIS), an industry led-initiative of the Australian Academy of Technology and Engineering.
Dr Cleola Anderiesz is the General Manager of Service Development and Clinical Practice at Cancer Australia. Cancer Australia was established by the Australian Government in 2006 to benefit all Australians affected by cancer, and their families and carers. Cancer Australia aims to reduce the impact of cancer, address disparities and improve outcomes for people affected by cancer by leading and coordinating national, evidence-based interventions across the continuum of care. A research scientist by training, Cleola has a PhD in Medicine and is currently completing her Senior Executive MBA. She has worked in Australia and abroad in laboratory and clinical research and has worked in cancer control for the last seventeen years, joining Cancer Australia upon its establishment in 2006. Working in both the not-for-profit and the public sector she has been involved in policy development, national program design, implementation and evaluation.
Dr Paul Jackson is currently A/g General Manager of Knowledge Management with oversight of the agency’s programs of work in research, clinical trials and evidence review; including the Priority-driven Collaborative Cancer Research Scheme and Support for Cancer Clinical Trials program. Paul oversees Cancer Australia’s implementation of the Investing in Medical Research - Fighting Childhood Cancer Measure announced by the Australian Government in 2018.

Before joining Cancer Australia in 2007, Paul held the position of Conjoint A/Prof at the Oncology Research Centre, Prince of Wales Hospital. His 20-year career in cancer research included appointments at the University of Leicester, John Curtin School of Medical Research in Canberra and Prince of Wales Hospital. Paul’s research interest included the differentiation between cancer cell and normal cell behaviour as well as factors contributing to urogenital cancer metastasis.
Mentors – Early Career

Dr Emma Ramsay

Doctor Emma Ramsay is a postdoc at The University of Sydney and Sydney Catalyst's T1/T2 Research Fellow. She completed her PhD in the lab of Professor Philip Hogg at UNSW, demonstrating the ability to utilise a tumour enzyme to deliver a prodrug to the tumour mass. In 2012 she received the Pfizer Studentship Award at the NSW Premier's Award for Outstanding Cancer Research and subsequently spent six months at Pfizer in the Cancer Metabolism group. After completing her PhD she joined Professor Craig Logsdon's lab at MD Anderson Cancer Center, to work on a number of translational projects in pancreatic cancer.

In 2017 she returned to Australia and began working with blood from Sydney Catalyst's EnRICH program; studying thrombotic events in lung cancer patients by measuring procoagulant platelets. In addition to her work in the lab, she supports and promotes early translational research in the Sydney Catalyst network.

Your notes
Dr Qiao Qiao

Qiao is an entrepreneurial life science business development professional. He is part of the Life Sciences team in Knowledge Exchange (KE). He also works closely with the UNSW Torch team and travels frequently to China to explore partnership opportunity. Qiao is dedicated to building long-lasting high value cooperation with biotechnology and pharmaceutical companies, sophisticated equity investors and other external partners. He has experience in a broad field, such as cancer, virology, biochemistry, stem cell biology. Prior to joining KE, Qiao worked at NewSouth Innovations (NSi), UNSW Torch (Life Sciences) as well as at BioLink Australia, a boutique life sciences consulting company. Qiao completed his PhD (Medicine) at UNSW and was awarded BSc (Biotech) with first class honours from the University of Adelaide.
Mentors – Early Career

Dr Philip Haywood

Philip Haywood is a clinician and academic with extensive cross disciplinary experience from medical, policy and economic perspectives.

As an economist Phil has worked for state, regional, national and international organisations as well as in academia. His academic focus is on producing economic evidence for real world decision making with an emphasis on the introduction of new technologies in cancer treatment. As a doctor Phil has worked in emergency medicine in Australia and New Zealand. He current works at CHERE in the economic evaluation group after completing his PhD in pricing of cancer treatments. His main policy interests are the application of economic evaluation to anti-cancer treatments and the evaluation of health policy.

Your notes
Dr. Ashwin Unnikrishnan is a Senior Research Fellow in the Prince of Wales Clinical School and Head of the newly established Molecular Mechanisms in Leukaemia laboratory at the Lowy Cancer Research Centre at UNSW Sydney. His research group investigates the molecular aberrations underlying haematopoietic cancers, with a specific interest in RNA biology and epigenetics. The major focus of the work in his group is aimed at translational outcomes. His research has led to development of new techniques, including AZA-MS (PCT: WO/2018/227253), and an ongoing clinical trial (clinicaltrials.gov: NCT03493646).

A 2018 recipient of the TRTH Award jointly from the American Society of Hematology and the European Hematology Association, he is also the primary investigator on active research grants from the NHMRC and the Leukemia & Lymphoma Society (USA). Ashwin received his PhD from the Fred Hutchinson Cancer Research Centre (Seattle, USA) and his undergraduate degree from Washington University (St. Louis, USA). He moved to Australia to undertake postdoctoral research in the lab of Prof. John Pimanda (UNSW), prior to starting his independent laboratory.
Your notes and your questions
Your notes and your questions
Take Home Messages

1.

2.

3.

4.
Helpful tips for the road

For more skills and training info  www.tcrn@unsw.edu.au

For grants and fellowships:
GMO: Your University Grans Management Office (GMO)
ASMR Mentoring program: https://asmr.org.au/mentoring-program/
NHMRC funding supports research across the full spectrum of health and medical research, from basic science through to clinical, public health and health services research
GrantConnect@finance.gov.au

Career development

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<tr>
<th>APJOBS.GOV.AU</th>
<th>CAREERS.ABPI.CO.UK</th>
<th>Career in Australian Public Service (APS)</th>
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<td><a href="http://www.nhmrc.gov.au/">www.nhmrc.gov.au/</a></td>
<td></td>
<td>Pharmaceutical Industry Career information from the ABPI (The Association of the British Pharmaceutical Industry), the trade body of the UK pharmaceutical industry.</td>
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myidp.sciencecareers.org
The Individual Development Plan (IDP) concept is commonly used in industry to help employees define and pursue their career goals. In 2003, the Federation of American Societies for Experimental Biology (FASEB) proposed an IDP framework for postdoctoral fellows in the sciences. Expanding on that framework, myIDP is a unique, web-based career-planning tool tailored to meet the needs of PhD students and postdocs in the sciences

www.sciencemag.org/careers
AAAS Science Career Trends and opportunities.

www.nature.com/naturejobs/carer_toolkit/index.html
Nature Jobs Career Toolkit

10 Career Paths for PhDs - Jobs.ac.uk
https://www.jobs.ac.uk/media/pdf/careers/resources/10-career-paths-for-phds.pdf

CRITERIA Program - Internship and job listing
This project is supported by Cancer Institute NSW’s translational cancer research centre program grant.