

Dr AMY SEARLE, PhD

PROFESSIONAL EXPERIENCE

Clinical Assistant Western Public Health Unit Western Health	June 2021 – Dec 2021
COVID Marshall Australian Open Players Detention Exemption Escort Department of Justice and Community Services	Jan 2021 – Jan 2021
COVID Health Concierge Flemington Public Housing Highrise Towers CoHealth	Sept 2020 – Dec 2020
COVID Health Concierge North Melbourne Public Housing Highrise Towers Department of Health and Human Services	July 2020 – Sept 2020
Private tutor VCE Biology 3/4	Jan 2020 – Dec 2021
Medical Student Western Clinical School The University of Melbourne	Jan 2020 – Current
PhD Candidate Atherothrombosis and Vascular Biology Laboratory Baker Heart and Diabetes Institute	Jan 2017 – Aug 2020
Research Assistant Atherothrombosis and Vascular Biology Laboratory Baker Heart and Diabetes Institute	Feb 2015 – Jan 2017
Honours Student Atherosclerosis and Cell Biology Laboratory Baker Heart and Diabetes Institute	Jan 2014 – Nov 2014

EDUCATION

Doctor of Medicine The University of Melbourne Currently completing MD Year 3	Jan 2020 – Current
Doctor of Philosophy Monash University <i>Innovative Precision Medicine Approaches for Thrombo-Inflammatory Driven Cardiovascular Diseases</i> Reviewer 1: Excellent; Reviewer 2: Exceptional.	Jan 2017 – Aug 2020
Bachelor of Biomedical Science (Honours) Deakin University <i>The role of gamma delta T cells and their subsets in atherosclerosis</i> Grade: H1	Jan 2014 – Nov 2014

Bachelor of Biomedical Science

Deakin University

Grade: Distinction

Mar 2011 – Nov 2013

International Exchange Program

State University New York – Stony Brook

Grade: External pass (pass/fail grade only)

July 2012 – Dec 2012

AWARDS AND PRIZES

Best Student Oral Presentations

Australian Society for Molecular Imaging Scientific Meeting 2018

Australian Society of Atherosclerosis Joint Scientific Meeting 2018

Young Investigator Awards

Federation of Asian Societies for Molecular Imaging Scientific Meeting 2018

Poster Prizes

Australian Society for Medical Research Student Symposium 2018

Alfred Heath Research Week 2017

Travel Grants

Australian Academy of Science inaugural Aboriginal and Torres Strait Islander Scientist Travelling Research Award 2019

Australian Academy of Science, Science at the Shine Dome Travel Grant 2019

Federation of Asian Societies for Molecular Imaging Scientific Meeting 2018

Monash University Study Away Grant 2018

Baker Institute Travel Grant 2018

Australian Society of Atherosclerosis Student Travel Grant 2018

Other Grants

University of Melbourne Housing Bursary 2022

University of Melbourne, Graduate Access Bursary 2020-2023

University of Melbourne Student Success Grant 2020 (x2)

Monash Faculty of Medicine Gukwonderuk Unit Bursary 2019 (x2)

Monash Faculty of Medicine Gukwonderuk Unit Bursary 2018

Monash Faculty of Medicine Gukwonderuk Unit Bursary 2017

Scholarships

University of Melbourne Indigenous Commonwealth Education Cost Scholarship 2022

University of Melbourne Medical School, Sam Crawcour Scholarship 2020

Science and Technology Australia Science Meets Parliament Indigenous Scholarship 2018

The National Heart Foundation Australian Indigenous Scholarship 2017-2020

PUBLICATIONS

First Author

Searle AK, Measey MA, Rudkin A, Hoq M, Rhodes A. *Parental enablers and barriers for using rapid antigen tests for symptomatic or close contact children: a national survey of Australian parents*. Public Health. 2022; S0033-3506(22)00199-8.

Impact factor: 4.984

Citations: N/A

Searle AK, Chen YC, Wallert M, McFadyen JD, Maluenda AC, Noonan J, Kanellakis P, Zaldivia MTK, Huang A, Lioe H, Biondo M, Nolte MW, Rossato P, Bobik A, Panousis C, Wang X, Hosseini H, Peter K. *Pharmacological inhibition of factor XIIa attenuates abdominal aortic aneurysm, reduces atherosclerosis,*

and stabilises atherosclerotic plaques. Thrombosis and Haemostasis. 2022; 122(02): 196-207

Impact factor:4.952

Citations: 2

Wang X*, **Searle AK***, Chen Y-C, Liu AL, Abraham M-K, Yao Y, Wallert M, Yu E, Hohmann JD, Peter K. *Dual-targeted theranostic delivery of microRNAs arrests abdominal aortic aneurysm development.*

Molecular Therapy. 2018; 24:4 1056-1065. * equally contributing first authors

Impact factor: 7.003

Citations: 42

Middle Author

Abraham MK, Jost E, Hohmann JD, **Searle AK**, Bongcaron V, Song Y, Wendel HP, Peter K, Krajewski S, Wang X. *A recombinant fusion construct between human serum albumin and NTPDase CD39 allows anti-inflammatory and anti-thrombotic coating of medical devices.* Pharmaceutics. 2021; 13(9):1504.

Impact factor: 6.51

Citations: 3

Bienvenu L, Maluenda A, McFadyen JD, **Searle AK**, Yu E, Haller C, Chaikof EL, Peter K, Wang X. *Combined antiplatelet/anticoagulant drug for cardiac ischemia/reperfusion injury.* Circ Res. 2020;127(9):1211-1213

2020;127(9):1211-1213

Impact factor: 14.467

Citations: 5

Wallert M, Bauer J, Kluge S, Schmolz L, Chen Y-C, Ziegler M, **Searle AK**, Maxones A, Schubert M, Thuermer M, Pein H, Koeberle A, Werz O, Birringer M, Peter K, Lorkowski S. *The vitamin E derivative garcinoic acid from Garcinia kola nut seeds attenuates the inflammatory response.* Redox Biology. 2019; 24: 101166

Impact factor: 7.126

Citations: 32

Murrup-Stewart C, **Searle AK**, Jobson L, Adams K. *Aboriginal perceptions of social and emotional wellbeing programs: A systematic review of literature assessing social and emotional wellbeing programs for Aboriginal and Torres Strait Islander Australians perspectives.* Australian Psychologist. 2019; 54(3): 171-186

Impact factor: 1.412

Citations: 21

Rashid I, Maghazal GJ, Chen Y-C, Cheng D, Talib J, Newington D, Ren M, Vajandar SK, **Searle A**, Maluenda A, Lindstedt A-L, Jabbour A, Kettle AJ, Bongers A, Power C, Michaelsson E, Peter K, Stocker R. *Myeloperoxidase is a potential molecular imaging and therapeutic target for the identification and stabilization of high-risk atherosclerotic plaque.* European Heart Journal. 2018; 39(35): 3301-3310

Impact factor: 23.425

Citations: 79

Hanjawa-Putra D, Haller C, Wang X, Dai E, Lim B, Liu L, Jaminet P, Yao J, **Searle A**, Bonnard T, Hagemeyer CE, Peter K, Chaikof EL. *Platelet-targeted dual pathway antithrombotic inhibits thrombosis with preserved hemostasis.* Journal of Clinical Investigations Insight. 2018; 3(15): e99329

Impact factor: 6.014

Citations: 25

Ziegler M, Hohmann JD, **Searle AK**, Abraham M-K, Nandurkar H, Wang X, Peter K. *A single-chain antibody-CD39 fusion protein targeting activated platelets protects from cardiac ischemia/reperfusion injury.* European Heart Journal. 2018; 39:2 111-116

Impact factor: 15.203

Citations: 55

PRESENTATIONS

International

Federation of Asian Societies for Molecular Imaging Scientific Meeting 2018

Oral presentation

Title: *Dual-targeted theranostic delivery of microRNAs arrests abdominal aortic aneurysm development*

National

Australian Society for Molecular Imaging Scientific Meeting 2018

Oral presentation

Title: *Dual-targeted theranostic delivery of microRNAs arrests abdominal aortic aneurysm development*

Australian Society of Atherosclerosis Joint Scientific Meeting 2018

Oral presentation

Title: *Dual-targeted theranostic delivery of microRNAs arrests abdominal aortic aneurysm development*

Australian Society for Medical Research Student Symposium 2018

Poster presentation

Title: *Dual-targeted theranostic delivery of microRNAs arrests abdominal aortic aneurysm development*

Monash University Central Clinical School Graduate Student Symposium 2017

Oral presentation

Title: *Dual-targeted theranostic delivery of microRNAs arrests abdominal aortic aneurysm development*

Alfred Heath Research Week 2018

Poster presentation

Title: *Dual-targeted theranostic delivery of microRNAs arrests abdominal aortic aneurysm development*

Monash University Central Clinical School 3 Minute Thesis Competition 2018

Oral presentation

Title: *Bursting the bubble on abdominal aortic aneurysm development*

Baker-La Trobe Symposium 2018

Poster presentation

Title: *Dual-targeted theranostic delivery of microRNAs arrests abdominal aortic aneurysm development*

Alfred Heath Research Week 2017

Poster presentation

Title: *Targeted thrombolysis: Novel, innovative, risk-free and site specific delivery of an anti-thrombotic therapeutic*

Monash University Central Clinical School Graduate Student Symposium 2017

Poster presentation

Title: *Targeted thrombolysis: Novel, innovative, risk-free and site specific delivery of an anti-thrombotic therapeutic*

Session Chair

Baker Institute

NAIDOC Week Seminar 2019

National Reconciliation Week Seminar 2019

NAIDOC Week Seminar 2018

Student Retreat 2018

OTHER ACHIEVEMENTS

Committee Involvement

Australian Indigenous Doctors Association Student Representative for the University of Melbourne, 2023

MD Student Conference First Nations Liaison Officer 2021-2022
University of Melbourne Medical Student Society, First Nations Officer, 2021-2022
Indigenous Graduate Student Association Medical Student Representative, 2021-2022
Co-chair, Baker Institute Reconciliation Action Plan Committee, 2018-2019
Member, Baker Institute Gender Equity and Diversity Committee, 2018-2019
Committee Advisor, Baker Institute Student Committee, 2019
Member, A+ Alliance NAIDOC Week Organising Committee, 2018
Member, Monash Central Clinical School Gender Equity, Diversity and Inclusion Committee, 2018
Co-President, Baker Institute Student Committee, 2018
Secretary, Baker Institute Student Committee, 2017

Baker Institute Involvement

Student Buddy/Mentor, 2018-2019
Reece Cares promotional video, 2019
Assistance at various donor events, 2018-2019
Monivae Secondary College year 10 tour, 2017-2018
Honours Information Evening, 2017-2018
Donor event speaker, 2017

Community Involvement

Western Health Teddy Bear Hospital, 2023

Future of Australia Exhibition, MOD Museum of Discovery, The University of South Australia, 2019
Interviewed leading scientists across various STEM fields and career stages to form an interactive exhibition on what a 'future Australia' looks like

Career profile, Win-Win Magazine, 2019
Feature on the career journey of inspiring women in STEM

Panellist, EcoLinc STEM Careers Conference, 2019
A conference to inspire females from Melbourne's Western Suburbs to pursue a career in STEM

Secret Life of STEM, podcast hosted by the University of Melbourne, 2019
A high-school student targeted podcast exploring the reality of STEM careers. Specific episode encouraging diversity in STEM

Panellist, Women in STEM Australia's Teacher and VCE Student Forum, 2018
Encouraging female VCE students to pursue STEM careers and advising parents and teachers how to best support their female students to consider STEM careers

Meeting, Hon Sen Kim Carr, 2018
Discussion highlighting the need to prioritise funds towards cardiovascular and diabetes research

Mentor, Career Trackers Indigenous Internship Program, 2017-2018

REFEREES

Professor Stephen Lew

Clinical Dean, Western Clinical School, University of Melbourne
srlew@unimelb.edu.au

Professor Sandra Eades AO

Associate Dean (Indigenous), Faculty of Medicine, Dentistry and Health Sciences, University of Melbourne
Sandra.Eades@unimelb.edu.au