CURRICULUM V I T A E

CONTACT

Phone: +61 424 100 396

Email address:

majid.warkiani@uts.edu.au

Address: Room 118, Level 10, Building 11, University of Technology Sydney, NSW 2007, Australia

Researcher ID: J-8838-2015

ORCID: orcid.org/0000-0002-4184-1944

Google scholar: Link

Group webpage: www.warkianilab.com

EDUCATION

Doctor of philosophy (PhD): Nanyang Technological University, Singapore (Jan 2009- Jan 2012)

Master of Science (MSc): Ferdowsi University of Mashhad, Iran (Sep 2005- Jul 2008)

Bachelor of Science (BSc): Azad University of Mashhad, Iran (Sep 2001- Jun 2005)

Majid EBRAHIMI WARKIANI

Career History

Jan 2021 – Present, University of Technology Sydney, Sydney, Australia
Professor: School of Biomedical Engineering (UTS)
Co-director: Institute for Biomedical Materials & Devices (IBMD)

Jan 2019 – Jan 2021, University of Technology Sydney, Sydney, Australia
Associate Professor: School of Biomedical Engineering (UTS)
Core member: Center for Health Technologies (CHT) & Institute for Biomedical Materials & Devices (IBMD)
Co-director (2019-2022): Australia-China Joint Research Centre for Point-of-Care Testing

July 2017 – Jan 2019, University of Technology Sydney, Sydney, Australia
Senior Lecturer: School of Biomedical Engineering (UTS)
Core member: Center for Health Technologies (CHT) & Institute for Biomedica Materials & Devices (IBMD)

Apr 2014 – Apr 2017, University of New South Wales, Sydney, Australia
Lecturer: School of Mechanical and Manufacturing Engineering (UNSW)
Group leader: Australian Center for NanoMedicine (UNSW)

Jan 2012 – Apr 2014, Massachusetts Institute of Technology, Boston, USA
Postdoctoral Research Fellow

Entrepreneurship

Co-founder

NeoGenix Biosciences Pty Ltd (https://www.Neogenixbiosciences.com/)
This startup, funded by ARC, NHMRC and ANN-F grants, pioneers microfluidic systems and AI for advancing sperm sorting in the IVF market.

Co-founder

SMART MCs Pty Ltd (www.SMARTMCs.com.au)
This UTS spin-off is dedicated to developing the next generation of xeno-free microcarriers for large-scale cell manufacturing in the food, vaccine, and regenerative medicine sectors. This company has raised over $2 million AUD, in addition to receiving multiple grants from the government, such as acceleration commercialization, MVP, etc.

Advisor

Biocheetah Pte Ltd (www.BioCheetah.com)
This Singaporean company is developing a liquid biopsy tests via urine for the Bladder Cancer screening. This company raised $5 million SGD in the past 3 years.

Research Activities

Microfluidics involving the design and development of novel microfluidic systems for particle and cell sorting (e.g., circulating tumour cells, foetal cells & stem cells) for diagnostic and therapeutic applications.
Organ-on-a-chips involving the fabrication and characterisation of novel 3D lab-on-a-chip systems to model physiological functions of tissues and organs.
3D micro-Printing involving the design and development of novel miniaturised systems (e.g., micromixers, micro-cyclones) for basic and applied research.

Awards & Fellowships

- Cancer Institute NSW Fellowship (CINSW), 2022
- UTS Techcelerator (1st Place) 2021
- UTS Research Translation Competition (RTC, 3rd Place), 2021
- Young Tall Poppy (Science Award), 2019
- UTS VC Research Leadership and Development (Finalist), 2019 & 2023
- UTS Techcelerator (1st Place), 2019
- NHMRC-CDF Fellowship, 2017
- MIT Technology Review (TR35) Award, 2016
- Nanyang Outstanding Young Alumni Award, 2016
- Fresh Science National Program Award, 2015
- Best student paper award, Asia Biotech Conference, 2014
- Singapore-MIT Alliance for Research and Technology (SMART) Fellowship, 2013
- Best student paper award at AMN-APLOC, Singapore, 2011
- Best research proposal award at NanoMemCourse, Netherlands, 2010
- A*STAR prestigious SINGA scholarship for PhD study at NTU, 2009
- Top student at Ferdowsi University of Mashhad during 2005-2008
- Top student at Azad University of Mashhad for 5 semesters during 2000-2004
- Azad University of Mashhad, Students Scientific Societies Award, 2002

Competitive Research Funding (> $15.5 million AUD), CI = Chief Investigator

- **MRFF EMCR Grant (CI-K)**, ($2,000,000) MetaSpatial Study: Metabolic Spatial Analysis of Lung Cancer Study, 2024-2028.
- **iCare dust diseases grant programs (CI-B),** ($249,000) sEV-derived circRNA in EMT progression and treatment option in mesothelioma, 2024-2026.
- **SPHERE Grant (CI-B)**, ($75,000) Investigating the impact of microplastic inhalation and ingestion in a healthy lungs and pre-existing lungs disease, 2023-2024.
- **Australian Research Council (Linkage-CI-C)** ($585,000) to develop a new microfluidic system for protein profiling in milk, 2022-2025.
- **Cancer Institute NSW Fellowship (Sole CI) (**$600,000) to develop 3D lung on chip models for nanotoxicity testing, 2022-2025.
- **Innovative Manufacturing Cooperative Research Centre (CI-C) (**$486,884) to develop a rapid point of care Covid-19 detection device using saliva, 2021-2022.
- **Australian Research Council (DP-Lead CI)** ($505,000) to develop a new microfluidic system for intracellular delivery, 2020-2023.
- **NHMRC Development Grant (DG-CI-B)** ($760,000) Genome-Wide Non-Invasive Prenatal Testing based on Circulating Trophoblastic Fetal Cells, 2020-2023.
- **Australia-China Joint Research Centre (JRC-CI-B)**, ($936,000) for development of novel point-of-care diagnostic devices for cancer DNA (ctDNA) detection, 2019-2021.
- **iCare dust diseases grant programs (CI-C),** ($300,000) Development of circular RNAs as potential biomarkers for diagnosis of mesothelioma, 2020-2023
- **iCare dust diseases grant programs (CI-D),** ($460,000) Development of exosome-based biomarkers (PDL-1) for diagnosis of mesothelioma, 2020-2023

- **Sydney Vital Cancer Grant (Lead CI, 2X)** ($20,000) for development novel 3D cancer models and intracellular delivery systems, 2019 and 2020.
- **CSIRO Environomics FSP (CI-D)** ($178,000 AUD), High-throughput genomics of highly variable DNA samples, 2019-2020.
- **Regional Collaborations Programme grant, Australian Academy of Science, (CI-B)** ($100,000) for design and development of a novel miniaturised sensor for explosive detection in airports, 2019-2020.
- **Innovation Connection Grant (Lead CI)** ($100,000) for continuous manufacturing and harvesting of MSCs and secreted exosomes using inertial microfluidics, 2018-2019.
- **Australian Research Council (LIEF-CI-C)** ($1,480,000) for building volumetric imaging facility, 2019.
- **Australian Research Council (DP- Lead CI)** ($373,000) for studying physics of inertial microfluidics and its application in bioprocessing, 2018-2020.
- **NHMRC-Career Development Fellowship (Sole CI) (**$431,000) for design and development of a novel tumor-on-a-chip system, 2018-2021.
- **Australian Research Council (LIEF-CI-D)** ($435,000) for purchasing microfabrication devices for development of portable and wearable sensors, 2018.
- **Australian Research Council (LIEF-CI-C)** ($600,000) for purchasing a new high-resolution confocal microscope for single molecule microscopy, 2018-2019.
- **Cancer Australia (CI-D)** ($650,000) for analysis of Circulating Tumour Cells and its clinical application in head and neck cancers, 2018-2020.
- **Australian Research Council (DP- Lead CI)** ($285,000) for design and development of a low-cost microfluidic system for blood fractionation, 2017-2019.
- **UTS competitive ECR grant (Lead CI)** ($40,000) for development of a novel cancer filtration device, 2018.
- **UTS competitive Blue-sky grant (2X, Lead CI)** ($40,000) for development of a 3D microfluidic tumor model, 2018.
- **UNSW competitive ECR grant (Lead CI)** ($60,000) for development of novel single cell analysis systems, 2016-2017.
- **UNSW competitive ECR grant (Lead CI)** ($56,000) for development of new microfluidic co-culture systems. 2014-2015.
- **UNSW competitive MRIEE grant (CI-E)** ($111,000) for purchase of 3D bioplotter, 2015.
- **UNSW competitive ECR grant (CI-C)** ($40,000) for development of microfluidic systems for petroleum research 2014-2015.
- **SMART Innovation Grant (Lead CI)** ($150,000) for development of a new mini-perfusion system for cell culture, 2015-2016.
- **NUS tier-1 Grant (Lead CI)** ($140,000) for development of a novel microfiltration platform for blood salvage, 2013-2015.
- **SMART Fellowship (Sole CI)** ($260,000) for development of a high throughput inertial cell sorter, 2013-2014.
- **SMART Ignition Grant (Lead CI)** ($50,000) for development of a clog-free separation system for mammalian cell retention from perfusion bioreactors, 2013-2014.

Teaching

- **Semester 2, 2023:** Course coordinator, Microfluidics in Biology and Medicine, UTS (36 students)
- **Semester 1, 2023:** Concepts in Pharmaceutical Sciences (co-lecturer), UTS (100 students)
- **Semester 1, 2022:** Concepts in Pharmaceutical Sciences (co-lecturer), UTS (100 students)
- **Semester 2, 2021:** Medical Biotechnology (co-lecturer), UTS (100 students)
- **Semester 2, 2020:** Medical Biotechnology (co-lecturer), UTS (100 students)
- **Semester 1, 2019:** Biomedical Polymers (42026), UTS (45 students)
- **Semester 1, 2018:** Biomedical Polymers (42026), UTS (54 students)
- **Semester 1, 2017:** Engineering Mechanics (MMAN 1300), UNSW (130 students, CATEI score TBD)
- **Semester 2, 2016:** Course coordinator, Introduction to MEMS (MECH 9650), UNSW (126 students, 5.2)
- **Semester 1, 2016:** Engineering Mechanics (MMAN 1300), UNSW (110 students, CATEI score 4.9)
- **Semester 2, 2015:** Course coordinator, Introduction to MEMS (MECH 9650), UNSW (78 students, CATEI score 4.60)
- **Semester 2, 2014:** Course coordinator, Introduction to MEMS (MECH 9650), UNSW (52 students, CATEI score 4.70)

Publications

Total career publications: **225** (excluding book chapters, conference proceedings and patents)

Total citations: **12,360** (Google scholar, May 2024) *h-index*: **56** (Google scholar, May 2024)

Full list of my publications can be found in my Google Scholar page (Click here)

Top 10

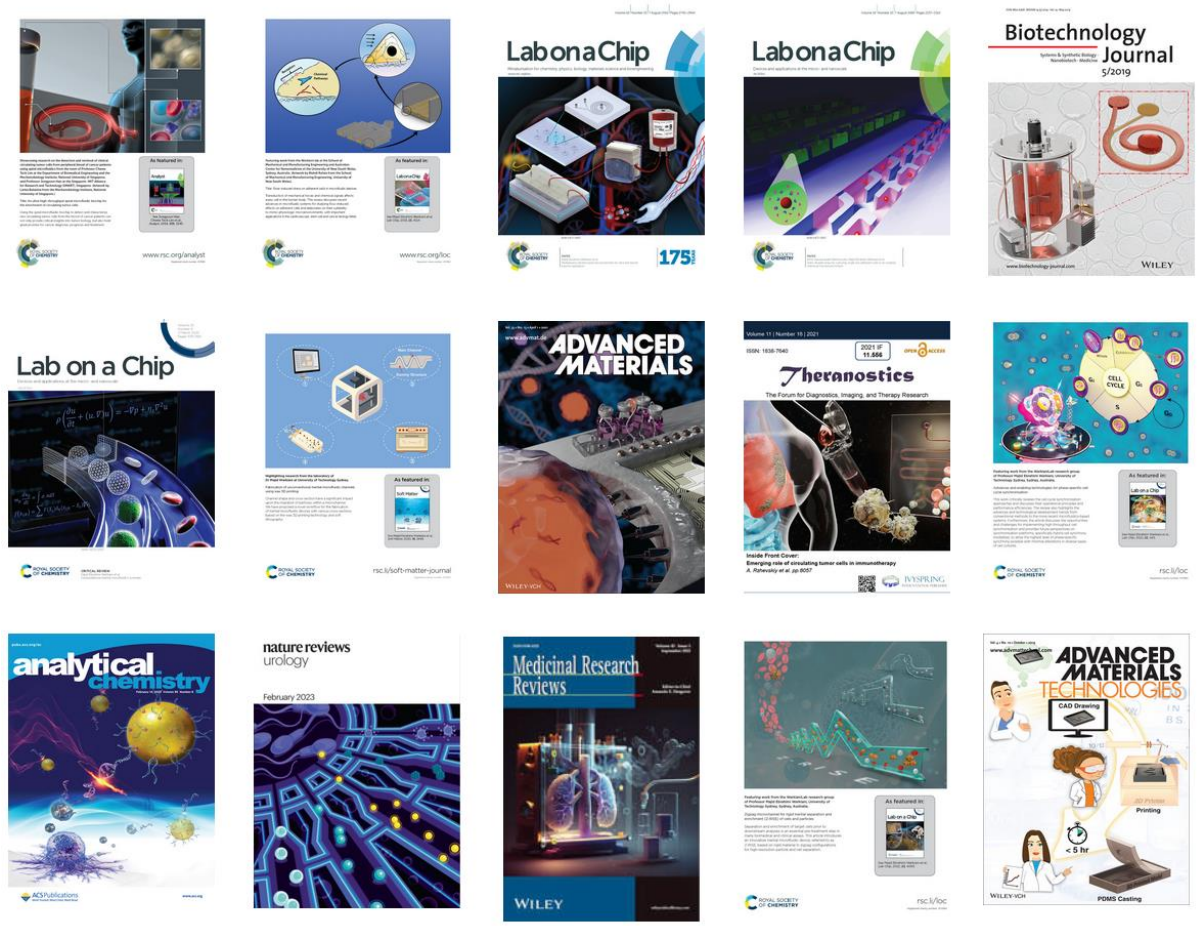
1. Hanwei Hou, **Majid E. Warkiani**, et al., "isolation and retrieval of circulating tumor cells using centrifugal forces," ***Scientific Reports***, 3, 1259, 2013. **Citations: 873**
2. **Majid E. Warkiani**, et al., "Isoporous micro/nanoengineered membranes" ***ACS Nano***, 2014. **Citations: 183**
3. **Majid E. Warkiani**, et al., "Slanted spiral microfluidics for ultra-fast, label-free circulating tumor cells isolation," ***Lab on a chip***, 2014. **Citations: 607**
4. **Majid E. Warkiani**, Lidan Wu, Andy Tay, and Jongyoon Han "Large-volume microfluidics cell sorting for biomedical applications", 2015, ***Annual Review of Biomedical Engineering***. **Citations: 847**
5. **Majid E. Warkiani**, et al., "Ultra-fast, label-free isolation of circulating tumor cells from blood using spiral microfluidics," ***Nature Protocols***, 2016. **Citations: 539**
6. Mehdi Rafeie, **Majid E. Warkiani***, et al., "Multiplexing slanted spiral microchannels for ultra-fast blood plasma separation", ***Lab on a chip***, 2016. **Citations: 164**
7. Maira Syed, Mehdi Rafeie, Rita Henderson, Dries Vandamme, Mohsen Asadnia, and **Majid E. Warkiani***, "A 3D-printed mini-hydrocyclone for high throughput particle separation: Application to primary harvesting of microalgae", **2017**. ***Lab on a Chip***. **Citations: 164**
8. Sajad Razavi, Omid Rouhi, Mohammad Raoufi, Fatemeh Ejeian, Mohsen Asadnia, Dayong Jin and **Majid E. Warkiani***, "3D Printing of Inertial Microfuidic Devices", 2020. ***Scientific Reports***. **Citations: 156**
9. Dale Goss, Steven Vasilescu, Gavin Sacks, David Gardner, **Majid E. Warkiani***, "Microfluidics facilitating the use of small extracellular vesicles in innovative approaches to male infertility", **2023.** ***Nature Reviews Urology.***
10. Steven Vasilescu, Ling Ding, Farzan Yazdan Parast, Reza Nosrati, **Majid E. Warkiani***, "Sperm quality metrics were improved by a biomimetic microfluidic selection platform compared to swim-up methods",**2023,** ***Microsystems & Nanoengineering.***

Book Chapters

1. Majid E. Warkiani, and Chwee T. Lim. Materiomics: Multiscale Mechanics of Biological Materials and Structures, M J Buehler, R Ballarini (eds.), **Springer**, Vienna, Austria, pp. 107-119, 2013.
2. Andy Tay, Bee Luan Khoo and Majid E. Warkiani, Frugal Innovation in Bioengineering for the Detection of Infectious Diseases, R Ramji, A Chavali, in press, **Springer International Publishing** AG, Gham, 2017.
3. Bee L. Khoo, Parthiv C. Chaudhuri and Majid E. Warkiani, Ex-vivo Engineering of Tumour Environment, in press, A Aref, D Barbie, **Springer International Publishing** AG, Gham, 2016.
4. Hardik Pandya, Mohamad Draz, Majid E. Warkiani and Hadi Shafiee, Rapid Diagnose of Infectious Diseases Using Microfluidics, in press, Francesco, **Springer International Publishing**, 2017.
5. Navid Kashaninejad, Mohammad Yaghoobi, Mohammad Pourhassan-Moghaddam, Sajad R. Bazaz, Dayong Jin, and Majid E. Warkiani, "Biological Diagnosis Based on Microfluidics and Nanotechnology", Nanotechnology and Microfluidics, 2019.
6. Arutha Kulasingh, Majid E. Warkiani, Chamindie Punyadeera, "The Isolation and Characterization of Circulating Tumor Cells from Head and Neck Cancer Patient Blood Samples Using Spiral Microfluidic Technology", Theranostics, 2019

7. Shohreh Azadi, Hamidreza Aboulkheyr Es, Arutha Kulasinghe, Majid E. Warkiani, “Application of Microfluidic Technology in Cancer Research and Therapy", Advances in Clinical Chemistry, 2020.
8. Payar Radfar, Hamidreza Aboulkheyr Es, Jean Paul Thierry, ***Majid E. Warkiani***, “Advances in single circulating tumor cell (CTC) analysis," Circulating Tumour Cells, Advances in Basic Science and Clinical Application, Springer, 2020.
9. F. Mirakhorli, S. Razavi, A. Abouei, P. Ralph, and Majid E. Warkiani, Microfluidic platforms for cell sorting, in: Sustainable Separation Engineering, **Wiley**, 2022.
10. Dale Gauss, Steven Vasilescu, Majid E. Warkiani, Jeremy Thompson, David Gardner, How microfluidics and microfabrication will improve diagnosis and treatment in human ART, Textbook of Asssisted Reproductive Techniques Sixth Edition, **CRC Press**, 2024.

Art Gallery



Gallery showcasing Journal Covers from my Published Works.

Patents

1. Majid E. Warkiani and Hai-Qing Gong *"Multilayer filter”,* US9327217, ***Licensed to Star Array Pte Ltd.***
2. **Majid E. Warkiani** and Hai-Qing Gong *“A reinforced filter with a metallic filtering layer”,* WO2013043122A1.
3. Majid E. Warkiani et al. “Microfluidics system and method for perfusion bioreactor cell retention” US Patent (2014), US20170292104A1. ***Licensed to WhirlCell Pte Ltd.***
4. Majid E. Warkiani et al. “System and method for inertial focusing microfiltration for intra-operative blood salvage autotransfusion” US10806845. *Licensed to Biolidics Pte Ltd*

5. Majid E. Warkiani et al. "Microfluidic system for the selection of motile sperm cells", Australian Provisional Patent Application No. 2020903755. ***Licensed to NeoGenix Biosciences Pty Ltd.***
6. Majid E. Warkiani et al. "Static Droplet Generator", Australian Provisional Patent Application No. 2021902248.
7. Majid E. Warkiani, et al. "A microfluidic device", Australian Provisional Patent Application No. 2022900132.
8. Majid E. Warkiani, et al. "A microfluidic device", Australian Provisional Patent Application No. 2021903597. ***Licensed to SMART MCs Pty Ltd.***

Invited and keynote lectures

International Conferences and workshops

1. ESHRE 2023 International Conference, Denmark, 2023
2. SEED 2023 International Conference, Australia
3. ACTC 2023 International Conference, Greece
4. BNN2023 International Conference, China
5. ESHRE 2022 International Conference, Italy, 2022
6. MicroTAS 2021 International Conference (Virtual), USA, 2021
7. ANZNMF 2019 International Conference, Wollongong, Australia, 2019
8. 2nd International Microfluidic Conference, Tehran, Iran, 2018
9. 3rd Nastran International Cancer Symposium, Iran, 2017
10. 8th Royan Summer School (Immuno-oncology), Tehran, Iran, 2017
11. 12th International Breast Cancer Conference, Iran, 2017
12. 1st National Microfluidic Conference, Tehran, Iran, 2016
13. EmTech Asia Conference, Singapore, 2016
14. 2nd Nastran International Cancer Symposium, Iran, 2016
15. 1st Nastran International Cancer Symposium, Iran, 2015
16. Organ-on-a-chip Symposium, USyd, Sydney, Australia, 2021
17. Organ-on-a-chip Symposium, UniSA, Adelaide, Australia, 2019
18. 3d Bioprinting Symposium, UTA, Sydney, Australia, 2019 and 2021
19. ISCT 2019, Melbourne, Australia, 2019
20. MicroTAS 2018, Kaohsiung, Taiwan, 2018
21. ANZNMF 2018 International Conference, Auckland, New Zealand, 2018
22. CSIRO International Molecular Sensing Symposium, Hobart, Australia, 2018
23. The Saliva and Liquid Biopsy Symposium, Brisbane, Australia, 2018
24. 9th International NanoMedicine Conference, Australia, 2018
25. 5th Thomas Ashworth International CTC Conference, Sydney, Australia, 2018
26. ANZNMF 2017 International Conference, Tasmania, Australia, 2017
27. 4th Thomas Ashworth International CTC Conference, Sydney, Australia, 2017
28. ACS Annual Conference, Sydney, Australia, 2016
29. ISCT 2016, Singapore, 2016
30. 3rd Thomas Ashworth International CTC Conference, Melbourne, Australia, 2017
31. ANZNMF International Conference, Brisbane, Australia, 2016
32. 8th International NanoMedicine Conference, Australia, 2014
33. 15th ISSIB and 24th ASBTE Joint Symposium, Sydney, Australia, 2015
34. Advances in Micro and Nanofluidics Conference (AMN 2015), Beijing, China, 2015
35. MEMS Winter School, UniSA, Adelaide, Australia, 2015
36. ASSCR-ISCT Meeting, Lorne, Australia, 2014
37. ICBNI Conference, Brisbane, Australia, 2014
38. 6th International NanoMedicine Conference, Australia, 2014

39. AMN-APLOC Conference, Singapore, 2011
40. ICON Conference, Netherlands, 2011
41. ICMAT Conference, Singapore, 2013

Academic institutions

1. Faculty of Engineering, SUSTech University, Shenzhen, China, 2019
2. Ferdowsi University of Mashhad, Faculty of Medicine, 2019
3. University of Tehran, Faculty of Engineering, 2019
4. Sechenov University, Moscow, Russia, 2018
5. Faculty of Medicine and Engineering, Edith Cowan University, Perth, 2018
6. Faculty of Engineering, UniSA, Adelaide, Australia, 2017
7. Faculty of Engineering, City Uni of Hong-Kong, Hong-Kong, 2017
8. Nanyang Technological University, School of Mech Eng., Singapore, 2016
9. Ferdowsi University of Mashhad, Faculty of Science, 2015
10. New York University at Abu Dhabi, School of Biomedical Eng., UAE, 2015
11. Faculty of Medicine, UNSW, Australia, 2015
12. Tsinghua University, School of Mechanical and Aerospace Eng., China, 2015
13. Lowy Cancer Center, UNSW, Australia, 2015
14. Royan Institute, Tehran, Iran, 2015
15. Faculty of Engineering, Edith Cowan University, Perth, Australia, 2016
16. University of South Australia (Ian Wark center), Australia, 2014
17. Ingham Biomedical Institute, Sydney, Australia, 2014
18. Australian Center for NanoMedicine (ACN), Sydney, Australia, 2014
19. Translational Research Institute, QUT, Brisbane, Australia, 2014
20. RMIT University, Australia, 2014
21. A*STAR's Bioprocessing Technology Institute (BTI), Singapore, 2014
22. Polytechnic University of Milan, Italy, 2012
23. University of EPFL, Switzerland, 2011
24. Tohoku University, Japan, 2011
25. University of Twente, Netherlands, 2010

Professional Services

Conference Organisation

1. Conference Chair, Australia-New Zealand Micro/Nanofluidics Conference, Wollongong, 2019
2. Conference Organizing Committee, Australia-New Zealand Micro/Nanofluidics Conference, Tasmania, 2017
3. Conference Organizing Committee, International Nanomedicine Conference, Sydney, 2017
4. Conference Organizing Committee, International Conference on Porous Media, Sydney, 2016
5. Conference Organizing Committee, International Nanomedicine Conference, Sydney, 2016
6. Conference Organizing Committee, International Nanomedicine Conference, Sydney, 2015
7. Session Co-organizer, BMES Annual meeting, USA, 2015
8. Conference Organizing Committee, International Nanomedicine Conference, Sydney, 2014

Grant Review

1. Al Jalila Foundation, United Arab Emirates, 2014-2018
2. National Health and Medical Research Council (NHMRC), Development Grant Scheme, Australia, 2016 & 2017, 2019 and 2021
3. Australian Research Council (ARC), Discovery Projects, 2015-2020
4. National Institute for Medical Research Development (NIMAD), Iran, 2016-2018

Editorial Board Member

1. Micromachines
2. Scientific Reports

3. Cancers

Journal Review

1. Membrane Science
2. Lab-on-a-Chip
3. Microfluidics & Nanofluidics
4. PlosOne
5. ACS Nano
6. Advanced Materials
7. Biotechnology & Bioengineering,
8. Langmuir
9. Advanced Healthcare Materials,
10. Scientific Reports,
11. Small
12. Nature Communications
13. Scientific Reports
14. Biomicrofluidics
15. PNAS
16. Biomedical Microdevices
17. Analytical Chemistry

Service to University

1. Academic-in-charge of the Microfluidic Laboratory at UNSW (2014-2017)
2. Academic-in-charge of the Microfluidic and Tissue Eng. Laboratory at UTS (2017-present)
3. One of the NanoMedicine conference organizers (3X)
4. Building Warden for J17 and J18 at UNSW
5. Taste of Research coordinator for Mechanical Engineering, UNSW
6. Course coordinator for Mechanical Engineering
7. Course coordinator for Biomedical Engineering
8. Seminar organiser (both UTS and UNSW)
9. School marketing coordinator

International/National Media Coverage (Selected)

1. **BBC News**, 2023: AI-Driven Innovation in Infertility Treatment, Link
2. **Courier Mail**, 2023: IVF and tech teams develop AI tool for male infertility, Link
3. **Herald Sun**, 2023: IVF and tech teams develop AI tool for male infertility, Link
4. **SkyNews**, 2023: AI tool finds sperm in infertile men faster and more accurately than doctors, Link
5. **Genetic Engineerign and Biotechnology News**, 2023, Australia Boosts Bioprocessing with Government Grants, Link
6. **New Atlas**, 2023, Microfluidic device can easily, cheaply detect cancer cells in a blood sample, Link
7. **7 NEWS**, 2023, Australian invention revolutionising cancer screening, Link
8. **The Engineer**, 2023, Static Droplet Microfluidic device could aid cancer diagnosis, Link
9. **Medical Express**, 2023, New device can detect cancer cells without invasive and expensive surgery, Link
10. **UTS NEWS**, 2023, New technology to select healthier sperm for IVF success, Link
11. **UTS NEWS**, 2022, New solution for stem cell manufacturing, Link
12. **Genetic Engineerign and Biotechnology News**, 2022, 3D Printed System Developed for Harvesting Stem Cells from Bioreactors, Link
13. **3D Printign Industry**, 2022**,** Australian research yields world's first 3D printed stem cell harvester, Link
14. **2SER Radio**, 2022, 3D Printign Stem Cells, Link
15. **Sci Pio**, 2021, Using hydrophobic surfaces to isolate rare cells, Link
16. **Genetic Engineerign and Biotechnology News**, 2021, Separating Cells with Microfluidics, Link
17. **UTS NEWS**, 2020, On-the-spot coronavirus test within spitting distance, Link
18. **ARC NEWS,** 2020, New non-invasive COVID-19 test returns results in minutes, Link
19. **Create Digital**, 2020, Australian-made COVID-19 test returns results within minutes, Link
20. **Physic.ORG**, 2018, Tiny device takes big step in non-invasive fetal blood test technology, Link

21. **News leads from South Australia**, 2018, Tiny device takes big step in non-invasive fetal blood test technology, Link
22. **ABC NEWS**, 2025, Biochip identifies cancerous cells, 'washes' blood clean of cancer in dialysis-style treatment, Link
23. **New Atlas**, 2015, Diagnosis technique that filters out harmful cells could lead to a "dialysis machine" for cancer, Link
24. **CBS NEWS**, 2014, Disrupting Cancer, Link

Supervision (PhDs/Postdocs/RAs)

PhD Students & Postdocs	***University & Funding Source***	***Supervision (Direct or Co-supervisor)***	***Date (start-end)***
University of Technology Sydnye (UTS)			
1- Asma Mihandoost (PhD)	UTS scholarship	*Direct*	2024-2027
2- Mehran Dabiri (PhD)	UTS scholarship	*Direct*	2024-2027
3- Vahid Yaghoubi (PhD)	UTS scholarship	*Direct*	2022-2025
4- Daisy Susetio (PhD)	Part-time	*Direct*	2024-2028
5- Dale Gauss (PhD)	Part-time	*Direct*	2022-2027
6- Habib Sadeghi Rad (PhD)	UQ scholarship	*Co-supervisor (10% Contribution)*	2021-2024
7- Rob Solomon (PhD)	Part-time	*Co-supervisor (50% Contribution)*	2020-2025
8- Dorsa Morshedi Rad (PhD)	UTS scholarship	*Direct*	2019-2023
9- Sajad Razavi Bazaz (PhD)	UTS scholarship	*Direct*	2018 – 2022
10- Jesus Shrestha (PhD)	UTS via NHMRC grant	*Direct*	2018 – 2021
11- Lin Ding (PhD)	UTS via NHMRC grant	*Direct*	2018 – 2023
12- Steven Vasilescu (PhD)	UTS scholarship	*Direct*	2019– 2023
13- Hamid Aboulkheyr (PhD)	UTS via ARC grant	*Direct*	2019 – 2022
14- Payar Radfar (PhD)	UTS via ARC grant	*Direct*	2019 – 2023
15- Mona Tarek Elsemary (PhD)	UniSA scholarship	*Co-supervisor (10% Contribution)*	2018 – 2022
16- Joanna Kapeleris (PhD)	QUT scholarship	*Co-supervisor (20% Contribution)*	2018 –2021
17- Mahsa Asadnia (PhD)	MQ scholarship	*Co-supervisor (70% Contribution)*	2018 – 2021
18- Alexey Rzhevskiy (PhD)	MQ scholarship	*Co-supervisor (30% Contribution)*	2017 – 2020
19- Pritam Bordhan (PhD)	UTS via ARC-HUB	*Co-supervisor (70% Contribution)*	2020 – 2024
20- Fatemeh Mirakhorli (PhD)	UTS via C3 fund	*Co-supervisor (50% Contribution)*	2020– 2024
21- Sahar Ghorbanpour (PhD)	UTS scholarship	*Co-supervisor (30% Contribution)*	2020 – 2023
22- Meysam Rezaei (PhD)	UniSA scholarship	*Co-supervisor (40% Contribution)*	2017 – 2020
23- Reza Moloudi (PhD)	A*Star scholarship	*Co-supervisor (50% Contribution)*	2017 – 2020
24- Shohreh Azadi	AUT scholarship	*Co-supervisor (50% Contribution)*	2017– 2020
25- Amin Raoufi	FUM/MQ scholarship	*Co-supervisor (50% Contribution)*	2017 – 2020
University of New South Wales (UNSW)			
26- Mehdi Rafeie (PhD)	UNSW scholarship	*Direct*	2014 – 2017
27- Amin Hassanzadeh (PhD)	UNSW scholarship	*Direct*	2015 – 2018
28- Maira Seyed (PhD)	UNSW scholarship	*Direct*	2014 – 2018
29- Alireza Gerami (PhD)	UNSW scholarship	*Co-supervisor (30% Contribution)*	2014– 2017
30- Maira Seyed	PhD @ UNSW	*Direct*	2014 – 2018
Postdocs and RAs			
1- Dr Sareh Zhand	NHMRC & CINSW	*Direct*	2018– now
2- Dr Meysam Rezaei	IBMD	*Direct*	2020– 2021
3- Dr Navid Kashaninejad	IBMD	*Direct*	2019– 2020
4- Mr Omid Rouhi	NHMRC	*Direct*	2018– 2020
5- Mr Hossein Ahmadi	ARC	*Direct*	2019– 2021

Note: *Since 2014, my labs have proudly graduated over 60 CAPSTONE and M.Sc. students, equipping them with the skills and experience needed to be job-ready, providing them with the best possible educational experience.*