Acknowledgement

of Traditional Owners

The QUT School of Optometry and Vision Science acknowledges the Turrbal and Yugara, as the First Nations owners of the lands where QUT now stands. We pay respect to their Elders, lores, customs and creation spirits. We recognise that these lands have always been places of teaching, research and learning.
I am proud to report that 2019 has been another year of stellar individual and team achievements spanning teaching, research, clinic and professional services in the School of Optometry and Vision Science.

In 2019 the extraordinary calibre of our staff was epitomised by Professor Joanne Wood receiving not just one, but two prestigious international awards. Professor Wood was the first woman to receive the Polytechnic University of Catalonia ‘International Optometrist of the Year Award 2019’, presented annually to an optometrist who has excelled in his or her academic, research and social trajectory during recent years. Indeed, Professor Wood is widely known for transformational contributions in the area of vision and driving, as well as in children’s vision and Indigenous eye health. The second award received by Professor Wood was the Human Factors and Ergonomics Society Hal W. Hendrick Distinguished International Colleague Award, presented to a non-U.S. citizen who has made outstanding contributions to the human factors and ergonomics field.

In the teaching program we continued to ensure that our students receive a strong foundation in the sciences, are trained in evidence-based practice, are immersed in real-world clinical placements, and are community minded. We worked with the Optometry Council of Australia and New Zealand (OCANZ) and a
To review, strengthen and align our program with the OCANZ ‘Optometry Aboriginal and Torres Strait Island Health Curriculum Framework’, putting cultural safety training at the heart of QUT optometry training. To assist us, Ms Lauren Hutchinson was appointed as our newest Visiting Fellow. Lauren is a Murrawarri-Wiradjuri woman and QUT graduate, currently practicing as an independent optometrist in rural NSW.

It was a record year for the QUT Optometry Clinic, with our students and clinical supervisors providing 7,045 consultations. We are grateful to the many exceptional optometrists who commit to serving as clinical supervisors, both at QUT and through hosting students on clinical placements.

Our research in the fields of myopia, contact lenses, anterior eye, optics of the eye and imaging, melanopsin photoreception, and the impact of visual impairment continues to thrive, with high publication rates in top quality journals, numerous invited presentations at high profile international conferences and substantial industry research funding.

A major highlight of this year was the development of our School ‘Vision, Purpose and Values’ and our new School strategic plan, (reflecting QUT’s new ‘Blueprint 6’). Over the next three years we are committed to growing our research outputs by focussing on technology in our core areas of research strength, as well as growing our research focus on evaluating innovative and collaborative eye care services for the community. We will expand digital learning and clinical placement opportunities in the curriculum. We are deeply committed to going beyond closing the gap for Indigenous eye health through our exemplar training of optometrists and our research, as determined by strong partnerships with Aboriginal and Torres Strait Islander communities.

Our new vision and strategy require a concerted team effort. The School of Optometry and Vision Science has a breadth of support from remarkably talented, passionate and steadfast staff, students, colleagues, visitors, suppliers and organisations, to whom I am indebted. I acknowledge and thank them and look forward to working with them in 2020, the year of vision, in every meaning of the word.

Ms Lauren Hutchinson
OUR VISION

"Transforming how the world sees through education & research"

OUR PURPOSE

Known for
Developing compassionate and skilled eye care professionals
Delivering world-leading vision research and innovation

In order to
Enhance vision
Provide quality eye care services for the community
Reduce the impact of eye disease

By
Delivering evidence-based education and clinical practice
Nurturing a collaborative environment of scientific enquiry
Upholding the highest standards of ethical behaviour
OUR VALUES

ACT WITH KINDNESS AND INTEGRITY
- We treat others with respect and compassion
- We practice with integrity and deliver on our commitments
- We are aware of our emotions and the emotions of others; we understand their impact and provide support and time to reflect

EMBRACE COLLABORATION
- We seek out and listen to the views and needs of others
- We invest time and resources to develop and maintain the effectiveness of the team
- We hold ourselves and others accountable to the goals and priorities of the team

FOSTER CURIOSITY AND CREATIVITY
- We challenge the status quo and are always open to new ideas
- We embrace change, complexity and the fast pace of our environment
- We value play and make time for it

STRIVE FOR EXCELLENCE
- We set ambitious goals and take initiative to achieve them
- We participate and we deliver to the highest standards
- We work to exceed expectations in every facet of our work
Lecturer
Dr Katie Edwards
(School Research Ethics Advisor)

Lecturer
Dr Shelley Hopkins

Lecturer
Dr Emily Pieterse

Associate Professor
Scott Read
(Director of Research)

Associate Professor
Katrina Schmid
(Director of International Engagement and Recruitment; Course Coordinator Bachelor of Vision Science)

Associate Professor
Stephen Vincent
(Course Coordinator Master of Optometry)

Professor
Joanne Wood

Associate Professor
Andrew J. Zele
Adjunct Academic Staff and Visiting Fellows

Dr Julie Albeitz
Emeritus Professor Leo Carney DSc (QUT)
Emeritus Professor Nathan Efron AC

Dr Kate Gifford
Ms Lauren Hutchinson
Associate Professor Peter Hendicott
Professor
Mark Radford

Associate Professor
Ann Webber
The QUT School of Optometry and Vision Science offers the only Optometry program in Queensland. Our students are some of the brightest, requiring exceptional grades to enter and undertake a challenging five-year program comprising the Bachelor of Vision Science followed by the Master of Optometry leading to registration as an Optometrist in Australia.

In 2019 we made advances in strengthening our curriculum on cultural safety and Indigenous perspectives, which included Shelley Hopkins and Rebecca Cox participating in the Optometry Council of Australia and New Zealand workshop on teaching cultural safety, and presentations from invited guest speakers (Kevin Yow Yeh, Lauren Hutchinson, Melissa Haswell, Mitchell Anjou, Sye Hodgman, Dennis Conlon, Celia McCarthy [Institute of Urban Indigenous Health] and Mandy Truong). In addition, we introduced additional online flexible learning in

Fifty-six students graduated from the Bachelor of Vision Science course and 71 graduated from the Master of Optometry course.
Bachelor of Vision Science Graduates

Ellen Louise Carson
Zhi Yu Chang
Jade Chng
Jamie Siew Wen Gan
Abby Louise Heffernan
Alix Leigh Knight
Hui Qi Faith Ng
An Cao Nguyen
Uyen Thao Nguyen
Tien Huy Pham
Rachel Roderick
Sholeen Sanjika
Andrea Jee Wei Wan

With Distinction

Nadine Alexander
Faaizah Zahraa Ali
Lauren Michelle Beecher ★
Cong Van Bui

Yingxiang Cheng
Jasmine Chiem ★
Jordan Thomas Collins
Sanet Johanna De Villiers
Isabella Mayan Satin Edwards-Brown
Joshua Tony Fiedler
Amelia May Gorle
Kieran Khalil Harduwar
Steven Ho
Mike Hong
Sindhu Jayaram
Megan Chaplam Ko
Sayo Kokubun
Jeongmin Lee
Sean Chuangxin Lee
Hannah Emily Lightfoot
Jiawen Liu
Jenifer Lopez
Teah Kristen Lotter
Nitansha Nand

Anita An Truong Nguyen
Nhi Thanh Nguyen
Wendy Nguyen
Kristin Leigh Parker ★
Xiaoxue Pei
Daniella Pham
Stephen Duy Minh Pham
Carly Jane Roderick
Leilah Small
Celina Maree Spena
Phylicia Suhartono
Daniel Tang
Marco Ting
Binh Thanh Tran
Chau Bao Tran
Johannes Gregory Van Ling
David Vinh The Vu
Natasha Leigh Westcott
Corey Blake Whyte

QUT Medal for academic excellence ★
Jami Isanuliah Bashar
Patrick Chan
Ryan Hao-An Chiang
Woo-ri Cho
John Nah Le
Thi My Ngoc Le
Yue Ma
Siti Nurhidayatul Nabilah Mohamad
Thu Anh Tran
Raymond Kwok Truong
Prajna Vidyasagar
Chin Song Yek

With Distinction

Alicia Grace Bingham
Samuel Yisum Cheung
Benjamin James Christie
Jacquelyn Helen Clow
Joshua Martin Collins
Annabel Cristaldi

Sarah Crouther
Brittany Ellen Darbyshire
Liam Christophe Grouhel
Chih-Ling Hsu
Anna Hua
Tzu-Hsiang Hung
Amy Beatrice Johnson
Hannah Kamgarpour
Caitlin Eve Kindness
Jia Lin Koh
Yong Fun Annabel Kwok
Colleen Co Ngoc Lam
Heidi Lee
As part of the Master of Optometry program, all students undertake a 12-month research project. The following projects were led by academic staff members:

**David Atchison:**
**Effects of Induced Anisometropia and Aniseikonia on Stereopsis**
Students: Emma Haley, Sally Lee, Elisabeth Liggett, Jianing Lu, Ho Jung Moon

**Alex Black and Joanne Wood:**
**Comparison of Esterman Visual Field Test Strategies for Visual Field Loss**
Students: William Donelly, Maegan Emerick, Katherynn Villamizar Pinilla, Lauren Whittle

**Andrew Carkeet:**
**Improving Electronic Visual Acuity Measurements**
Students: Tzu-Ching Lin, Emily McIntyre, Roderick Robertson, Yutong Yang

**Michael Collins and Alyra Shaw:**
**Lid Wiper Epitheliopathy: Contact Lens Wear and Thermography**
Students: Chien-Fu Chang, Yi-Chun Hsieh, Derek Lay, Vincent Le, Chun-Chen Shih

**Katie Edwards, Luisa Hologuin-Colorado and Katrina Schmid:**
**Omega-3 and its Impact on Corneal Nerve Morphology**
Students: Darcie Beckmann, Chantelle Chau, Dalena Do, Renata Gordon, Cassandra-Elyse Versteeg

**Shelley Hopkins and Sharon Bentley:**
**Impact of Smartphone Activities on Binocular Vision**
Students: Caitlin Kelland, Katrina Lacy, Lachlan Munro, Aaron Phan, Anna Reaburn
Scott Read and Emily Pieterse: The Effect of Short-Term Exposure to Darkness on Choroidal Thickness
Students: Vanessa Au, An-Thien Ho, Anne Le, Chaeyoung Lee, Yu-Chieh Tsui

Katrina Schmid, Luisa Hologuin-Colorado and Katie Edwards: Omega-3 and Ocular Surface Health in a Young, Healthy Population
Students: Tram Le, Thuy Nguyen, Celine Tran, Briana Tsang, Cleo Yip

Stephen Vincent, Michael Collins and Davide Alonso-Caneiro: Effect of Lens Diameter on the Decentration of Scleral Contact Lenses
Students: Krystal Chen, Ji Hye Kim, Yi-Tse Kuo, Georgina Sheu, Yu-Ju Wang

Joanne Wood and Alex Black: Effect of Eccentricity and Contrast on Biological Motion Perception
Students: Jamie Dang, Steven Le, Dinh Phan, Ahmad Ismael Sorefan, Yan Xu

Wins of the Master of Optometry Student Research Project Presentation Award (sponsored by Optometry Queensland and Northern Territory [OQNT]): ‘Omega 3 and Ocular Surface Health in a Young, Healthy Population’, by (left to right) Dr Luisa Colorado (co-supervisor), Associate Professor Katrina Schmid (supervisor), Tram Le, Celine Tran, Cleo Yip, Thuy Nguyen, Briana Tsang, Cathryn Baker (CEO, OQNT), Dr Katie Edwards (co-supervisor). Each student received a gift voucher from Optometry Queensland and Northern Territory.
Presented at the Faculty of Health Awards Ceremony, Room Three Sixty, Garden Points Campus.

- Optometry Queensland and Northern Territory Academic Highest Achievement in First Year BVisSci Award - Song Jin Loh
- Optometry Queensland and Northern Territory Highest Academic and Clinical Achievement in MOptom Award - Bronte Rolls
- School of Optometry and Vision Science Brian Brown Research Award (MOptom student with the highest combined GPA in the units ‘Research Methods in Optometry and Vision Science’ and ‘Research Project’) - Maegan Emerick

Song Jin Loh (right) with Optometry Queensland and Northern Territory President, Melinda Toomey (left)

Bronte Rolls (right) with Optometry Queensland and Northern Territory President, Melinda Toomey (left)

Maegan Emerick (right) with Acting Head of School, Katrina Schmid (left)

Marco Ting (right) with mivision representative Helen Venturato (left)
mivision Media Communication Award (BVisSci student in the unit ‘Binocular Vision’ who designs the most innovative and engaging media communication tool that can be used in Optometry Practice) - Marco Ting
• CooperVision Australia Contact Lens Prize (MOptom student with highest achievement in first year contact lens studies) - Renata Gordon
• Johnson & Johnson Vision Care Award (MOptom student with highest achievement in second year contact lens studies) - Riya Makin

Absent Award Winner Riya Makan. In attendance were Johnson and Johnson Vision Care, Wyn Blanco, Regional Sales Manager and Shila Roshani, Customer Development Manager

Derek Lay (far right) pictured with other students receiving the 2019 VSP Global Practice Excellence Scholarship at the American Academy of Optometry Conference

QUT students Amy Johnson (top row, fourth from left) and James Lee (top row, far right) taking part in the 2019 Optometry Australia Student Leadership Program with other students

• Institute for Urban Indigenous Health and Fred Hollows Foundation Workforce Initiative Scholarship - Caitlin Kindness
• Australian College of Optometry 2019 Award (outstanding achievement in BVisSci and MOptom QUT program) - Bronte Rolls
• Optometry Australia Student Leadership Program - Amy Johnson and James Lee
• 2019 VSP Global Practice Excellence Scholarship - Derek Shiu Him Lay

< LEFT Caitlin Kindness
2019 was a record year for the Clinic. Our students and clinical supervisors provided 7,045 consultations at the QUT Optometry Clinic, an increase in 4 percent from 2018 and 21 percent from 2017, with the service operating throughout the year. The Clinic operates dedicated primary care, therapeutics, contact lens, low vision, paediatric and myopia management clinics. In addition to providing services at the QUT Optometry Clinic, the School provides outreach services to Aboriginal and Torres Strait Islander health clinics, refugee centres, childcare centres and schools with limited access to eyecare services. Staff and students also participated in ‘Widening Participation’ events such as Indigenous Health Check Day and Explore Uni, organised by QUT Health Clinics to raise awareness and promote careers in health.

Essilor generously gifted the latest Visioffice 2.0 (VO2) digital dispensing tower to our QUT Optometry Clinic. The state-of-the-art technology is one of the most advanced and dynamic digital dispensing machines available, enhancing both student learning and the patient experience. We also welcomed optical dispenser, Kylie Prince to the team.
Our research focuses on technological advances in the treatment and management of vision problems, the diagnosis and assessment of eye and vision disorders, and the functional impacts of vision impairment.

This year 57 articles were published in scholarly journals, 85 presentations at conferences were delivered and substantial industry research funding was again secured. Our work on OCT imaging and deep learning (led by David Alonso-Caneiro) and on myopia development and control (led by Scott Read) were featured in the media. Indeed, with collaborators from the University of New South Wales, Dr Alonso-Caneiro was recently awarded an NHMRC Ideas grant for a study on, ‘Predicting visual function from structural data in health and ocular disease.’

Among the numerous awards and accolades bestowed on members of the School, Professor Joanne Wood received not just one, but two prestigious international awards. Professor Wood is the first woman to receive the ‘International Optometrist of the Year Award 2019’, presented annually to an optometrist who has excelled in his or her academic, research and social trajectory during recent years. The scientific committee is composed of university (Polytechnic University of Catalonia), professional (Catalan Council of Optometrists and Catalan Association of Visual Therapy) and Institutional (Terrassa City Council) members. The recipient of the award gives a speech, whereby he or she is named as Graduation Sponsor of the students starting their degree in the year 2019-2020, and is then asked to record a short congratulatory note by video-conference for the graduation ceremony of those students four years later. The second award received by Professor Wood in 2019 was the Human Factors and Ergonomics Society (HFES) 2019 Hal W. Hendrick Distinguished International Colleague Award, presented at the opening Plenary Session of the HFES International Annual Meeting in Seattle. The Hal W. Hendrick Distinguished International Colleague Award was established in 1967 and recognises a non-U.S. citizen who has made outstanding contributions to the
human factors and ergonomics field. Candidates are considered based on the significance of their contributions and their worldwide recognition within and outside of the human factors and ergonomics profession.

Our Impact

Field-Weighted Citation Impact (FWCI) is a measure of research impact. A FWCI of one indicates that output equals the global average of publications in the field of Optometry and Vision Science.

The FWCI for the School of Optometry and Vision Science is 1.99, which indicates that its publications are cited twice as often as the global average in the field.

Figure: Field-weighted citation impact of School of Optometry affiliated publications, 2015-2019, as calculated in SciVal; based on Scopus data up to 15 January 2020. Overall Field-Weighted Citation Impact for the School of Optometry and Vision Science 2015-2019 is 1.99.
Our Collaborations

We collaborate with researchers from across the world.

< FIGURE TOP LEFT
Map of collaborating institutions, as calculated in SciVal. The map was produced in Google MyMaps based on Scopus data up to 15 January 2020.

Our Reach: Number of Citing Countries

Using the 326 Scopus publications (2015-2019), the number of citing countries identified is 68.

< FIGURE BOTTOM LEFT
Our Research Strengths

- Myopia and its prevention and control
- Contact lenses
- Optics of the eye and imaging
- Advanced methods for imaging the eye
- Anterior eye assessment and treatment
- Novel methods for the early detection and management of eye disease
- Melanopsin photoreception and visual science
- Ocular biomarkers of systemic disease
- Vision and everyday function
- Indigenous eye health
- Children’s vision
Collaborations continued with the QUT Robotics Centre, UNSW, China, India, Iran and the USA, and with ForgetSpecs on optical corrections for electronic devices. Graduate students Durgasri Jaisankar and Dinesh Kaphle (supervised by Professor David Atchison and A/Professor Katrina Schmid) were recipients of IHBI’s Chronic diseases and aging themes publication award, for papers published in *Ophthalmic and Physiological Optics* and in *Survey of Ophthalmology*.

**Optics of the Eye and Imaging**

The laboratory continued work on peripheral aberrations, the Stiles-Crawford effect and biometry changes in accommodation. Visiting Research fellow Dr Yongji Li investigated optical performance of contact lenses for the treatment of myopia. We welcomed Dr Stanislovas Zacharovas, a holography expert from Lithuania, to work on the ARC funded retinal holography project.

^ABOVE  The Optical Society QUT OSA Student Chapter guest lecture by Emeritus Professor Donald Mitchell (front centre) pictured with staff and research students.
The Contact Lens and Visual Optics laboratory had another productive year in 2019. Associate Professor Stephen Vincent won the prestigious British Contact Lens Association 2019 Dallos Award to fund his ongoing research into the physiological effects of scleral contact lenses. Three new PhD students (Zachery Quince, Ignacio Andres Viedma Escalona and Francisco Yoel Garcia Marin) joined the lab during the year to work on a range of biomedical engineering projects related to the eye, under the principal supervision of Dr David Alonso-Caneiro. David Alonso-Caneiro was also successful as a chief investigator on an NHMRC Ideas grant in collaboration with colleagues at UNSW. Industry collaboration with Johnson and Johnson on a range of projects continued to be a major source of funding for the lab. Members of the laboratory gave over thirty conference presentations and had over twenty published research papers.

The lab welcomed visiting researcher Dr Lisa Ostrin, from the University of Houston, College of Optometry, for the months of June and July. Dr Ostrin’s current research focuses on myopia and circadian rhythms, and she was invited to QUT by Associate Professor Scott Read as an IHBI Visiting Research Fellow. During Dr Ostrin’s visit she presented a research seminar and workshop to HDR students and was involved in various lab studies investigating how different types of light might impact upon the growth of the eye.
Vision and Everyday Function

In 2019, the research team, led by Professor Joanne Wood and Dr Alex Black, completed data collection on a range of government, industry and university-funded projects, delivered 14 presentations at national and international research and clinical conferences, and published 12 papers on topics including visual impairment and driving, night-time driving and children’s vision. The team also continued to develop their international profile in night-time driving and road lighting through hosting leading lighting researcher Professor Stephan Volker from Berlin for a 3-month research visit at QUT, representation on international CIE committees and presentations at the quadrennial CIE Conference in Washington, DC. The ongoing focus of the research team is in understanding the visual challenges of night driving and developing solutions to improve the safety of night-time driving, walking and cycling. Falls injury prevention also continues to be a strength, with ongoing research into the low-light difficulties of older adults with visual impairment, and the recent publication of an Australian falls prevention guideline for optometrists.

Anterior Eye

2019 was another busy year for The Anterior Eye Laboratory, led by Katie Edwards, with the completion of a large industry funded grant. The lab continues research into cellular level changes at the ocular surface, in
both ocular and systemic disease, using in-vivo confocal microscopy, some of which was presented by Drs Edwards and Colorado at the 2019 ARVO Annual Meeting in Vancouver. Collaborations continued with researchers from UNSW, and Griffith University, as well as a number of local collaborators. In the future, they will continue their work in the assessment of the ocular surface, as well as their new area of research investigating the neurobiology of ocular surface symptoms.

**Melanopsin Photoreception and Visual Science**

Together with his team in the Visual Science Laboratories, Professor Andrew J. Zele provided the initial scientific evidence that a novel photoreceptor containing the melanopsin photopigment gives rise to conscious, image-forming visual and brightness perception; this knowledge redefines the textbook understanding of how retinal output is used for human vision. Based on their new technologies to objectively and clinically measure human melanopsin function, an international standard for pupillography was published in partnership with a consortium of experts. Professor Zele and his collaborators in the Medical Retinal Laboratories (led by A/Professor Beatrix Feigl, QUT School of Biomedical Sciences and Queensland Eye Institute) are leading studies of melanopsin dysfunction in eye diseases including age-related macular degeneration, diabetes and glaucoma as well as in neurodegenerative disease (Parkinson’s disease). Together they are generating solutions to ameliorate the impact of melanopsin dysfunction on circadian rhythms, sleep and mood through development of novel optical technologies. A highlight was the award of a prestigious Australian Research Council (ARC) Future Fellowship (2018-2022) to Professor Zele.
Research Visitors

Dr Tony Bergen, Technical Director of Photometric Solutions International Pty Ltd, Melbourne, Australia and President CIE Australia

Dr Holly Chinnery, Department of Optometry and Vision Sciences, The University of Melbourne, Australia

Dr Maria Markoulli, Senior Lecturer, School of Optometry and Vision Science, University of New South Wales, Sydney, Australia

Emeritus Professor Donald Mitchell, Dalhousie University, Halifax, Nova Scotia, Canada

Dr Yongji Liu, Modern Optics, China

Ms Sonia Ortiz, PhD candidate, Department of Optics, University of Granada, Spain
Dr Lisa Ostrin, Assistant Professor, College of Optometry, University of Houston, Texas, USA

Professor Stephan Volker, Professor Chair of Lighting Technology, School of Electrical Engineering and Computer Science, Berlin University of Technology

Ms Alexis Ceecee Zhang, PhD candidate, Department of Optometry and Vision Sciences, The University of Melbourne, Australia

Assistant Professor Walter Wittich, School of Optometry, University of Montreal, Canada

Dr Russell Woods, Associate Scientist, Schepens Eye Research Institute and Associate Professor, Department of Ophthalmology, Harvard Medical School, Boston, MA, USA

Dr Stanislovas Zacharovas, Holography R&D Consultant, Lithuania
Name: Alonso-Caneiro D  
Title: **Artificial intelligence for image processing in ocular imaging in health and disease**  
Funding Source: Rebecca Lillian Cooper Medical Research Foundation  
Duration of Funding: 2018-2019  
Total Funds: $100,000

Names: Atchison DA, Lambert A, Suheimat M  
Title: **Relationship of retinal directionality to human retinal anatomy variations**  
Funding Source: ARC Discovery Project (DP190103069)  
Duration of Funding: 2019-2021  
Total Funds: $425,000

Names: Ayton L, McGinley J, Petoe M, McCarthy C, Bryant A, Bentley S  
Title: **The Impact of SmartGlass low vision technology on mobility in people with vision impairment**  
Funding Source: Melbourne Disability Institute  
Duration of Funding: 2019  
Total Funds: $20,000

Name: Carkeet A  
Title: **Influence of light and defocus on the choroid during emmetropization and myopia in children and young adults**  
Funding source: NIH NEI R01 EY030193 Ostin L Smith E and Patel N ($1.2 M), sub award R-20-0007  
Duration of Funding: 2019-2024  
Total Funds: $5,124

Names: Bentley S, Ansticke N, Armitage J, Dakin S, Jaworski A, Keay L, McKendrick A  
Title: **Toward a ‘Leaders in Indigenous Optometry Education Network’ (LIOEN)**  
Funding Source: Victorian Optometrists Training and Education (VOTE) Trust  
Duration of Funding: 2020  
Total Funds: $7,000

Names: Chen F, De Roach J, Hunt D, Wilton S, Alonso-Caneiro D  
Title: **Establishing a centre of research excellence in juvenile macular disease**  
Funding Source: Telethon-Perth Children’s Hospital Research Fund  
Duration of Funding: 2018-2019  
Total budget: $249,880
Name: Collins MJ
Title: Industry
Funding Source: Johnson & Johnson Vision Care Inc.
Duration of Funding: 2019
Total Funds: $807,000 USD

Name: Collins MJ
Title: Industry
Funding Source: Johnson & Johnson Surgical Inc.
Duration of Funding: 2019
Total Funds: $108,750 USD

Name: Collins MJ
Title: IHBI Major Equipment Grant
Funding Source: IHBI
Duration of Funding: 2019
Total Funds: $50,000

Names: Colorado LH, Edwards K, Pritchard N
Title: Industry
Funding Source: Confidential
Duration of Funding: 2019
Total Funds: $20,000

Names: Edwards K, Pritchard N
Title: Industry
Funding Source: Confidential
Duration of Funding: 2019
Total Funds: $120,000

Title: IHBI Near-miss HERDC Category 1 Support Grant
Funding Source: IHBI
Duration of Funding: 2019-2020
Total Funds: $20,000

Names: Edwards K, Carkeet A, Colorado LH, Wearing S, Murray R, Russell A
Title: 2019 School of Optometry and Vision Science, Faculty of Health Pilot Research Project Grant Scheme
Funding Source: School of Optometry and Vision Science
Duration of Funding: 2019-2020
Total Funds: $10,000

Names: Hopkins S
Title: How smart are the ‘smart vision charts’ at detecting reduced vision in children?
Funding Source: QUT Women in Research Grant Scheme
Duration of Funding: 2018-2019
Total Funds: $9,757

Names: Hopkins S
Title: Outreach consulting agreement
Funding Source: VOS
Duration of Funding: 2019-2020
Total Funds: $36,126

Names: Meuleners L, Wood JM, Ng J, Morlet N, Brameld K
Title: Visual impairment and injury: A population-based study
Funding Source: ARC Discovery (DP180102819)
Duration of Funding: 2018-2020
Total Funds: $228,000
Names: Murray R, Edwards K  
Title: **2019 CDA Inter Program Collaborative Scheme**  
Funding Source: IHBI  
Duration of Funding: 2019-2020  
Total Funds: $9,000

Name: Pieterse EC  
Title: **Effect of nightly low dose atropine on the ocular surface and binocular vision system of myopic children**  
Funding Source: QUT Women in Research Grant Scheme  
Duration of Funding: 2019-2020  
Total Funds: $9,947

Names: Read SA, Alonso-Caneiro D, Collins MJ  
Title: **The interaction between ON and OFF retinal cell activation and near focusing in myopia**  
Funding Source: IHBI Innovation Ideas Grant Scheme  
Duration of Funding: 2018-2019  
Total Funds: $10,000

Name: Vincent SJ  
Title: **Intraocular pressure changes and recovery with sealed and fenestrated miniscleral contact lenses**  
Funding Source: British Contact Lens Association  
Duration of Funding: 2019  
Total Funds: $14,000

Names: Wood J, Black A, Atchison D, Larue G  
Title: **Mitigating signal colour-misconceptions from prescription lenses worn by train drivers**  
Funding Source: Australasian Centre for Rail Innovation  
Duration of Funding: 2018-2019  
Total Funds: $108,079

Names: Wood J, Black A, King N, King M, Brough D, Fylan F  
Title: **“WAKE up” - making exercising in the dark safer and more appealing through innovative design of retroreflective apparel**  
Funding Source: 2018 IHBI and HASS Collaborative Incentive Scheme  
Duration of Funding: 2018-2019  
Total Funds: $21,940

Names: Wood JM, McKendrick A, Black AA, Lacherez P, Isoardi G, Owsley CO  
Title: **Using visual science to reduce the dangers of night driving**  
Funding Source: ARC Discovery (DP190103141)  
Duration of Funding: 2019-2021  
Total Funds: $399,458

Names: Zele AJ, Feigl B, Cao D, Kremers J  
Title: **Melanopsin function in humans**  
Funding Source: ARC Discovery Projects  
Duration of Funding: 2017-2019  
Total Funds: $243,387


> LEFT QUT Lead researcher David Alonso-Caneiro of the publication in Nature Scientific Reports on OCT imaging and deep learning methods.


changes in response to short-term exposure to astigmatic defocus. (Poster) 17th International Myopia Conference; 2019, 12 - 15 Sep: Tokyo, Japan.


36. Kramer EG, Vincent SJ. Central corneal clearance during longer-term scleral contact lens wear. (Poster) British Contact Lens Association Clinical Conference and Exhibition; 2019, 8-10 May: Manchester, UK.


43. Pieterse EC. Case based examples of myopia control in the real world. Australian Vision Convention; 2019, 13 - 14 Apr, Gold Coast, Australia.

44. Pieterse EC. Diagnosis and management of viral conjunctivitis. Australian Vision Convention; 2019, 13 - 14 Apr, Gold Coast, Australia.


49. Sander B, Collins M, Read S. The effect of hyperopic blur administered one day after 0.01 percent atropine on the choroidal thickness of young myopes. (Poster) ARVO Annual Meeting; 2019, 28 Apr - 2 May: Vancouver, Canada.


67. Vincent SJ. (Invited) Are animal models of myopia development and control applicable to humans? West China International Myopia Control and Eye Care Symposium; 2019, 1 - 3 Mar: Chengdu, China.


70. Vincent SJ. (Invited) State of sclerals: What we know and what we need to know (Research and Technology Update). Global Speciality Lens Symposium; 2019, 24 - 27 Jan: Las Vegas, USA.

71. Vincent SJ, Collins MJ. A topographical method to quantify scleral contact lens decentration. British Contact Lens Association Clinical Conference and Exhibition; 2019, 8-10 May: Manchester, UK.


Dipesh Bhattarai
Title: Application of Bessel beams in the human eye

Supervisors: David Atchison, Marwan Suheimat

RIGHT >
PhD Graduate, Dipesh Bhattarai (left), with supervisor, Professor David Atchison (right)
Staff Promotions

- Senior Lecturer Alex Black
- Professor Andrew Zele

Research Awards

- Emeritus Professor Leo Carney: Honorary Life Membership of the Australian College of Optometry for his distinguished and meritorious service to optometry.

- Associate Professor Katrina Schmid: co-author of the 5th most downloaded paper from Clinical and Experimental Optometry of all time - Cheng D, Woo GC, Schmid KL. Bifocal lens control of myopic progression in children. 2011; 94: 24-32.

- Associate Professor Stephen Vincent: Dallos Award, British Contact Lens Association.

- Associate Professor Stephen Vincent: Fellow, Scleral Lens Education Society
• Professor Joanne Wood: 2019 Silver Fellow of the Association for Research in Vision and Ophthalmology (ARVO), recognising current ARVO members for their individual accomplishments, leadership and contributions to the Association.

• Professor Joanne Wood: 2019 International Optometrist of the Year Award from the Universitat Politècnica de Catalunya, Spain, in recognition of her outstanding and extraordinary contributions and commitment to the development of the optometry profession and vision care globally.

• Professor Joanne Wood: 2019 Hal W. Hendrick Distinguished International Colleague Award from the Human Factors and Ergonomics Society, in recognition of outstanding contributions to the human factors/ergonomics field to recipients based on the significance of their contributions and their worldwide recognition within and outside the human factors and ergonomics profession.
Higher Degree Research Student Awards

- Rebecca Cox: Winner of the 2019 Faculty of Health Three Minute Thesis (3MT) competition and runner up in the 2019 QUT 3MT, for her presentation on, ‘Understanding the Prevalence of Uncorrected Refractive Error and its Relationship to Eye Care Service Utilisation among Aboriginal and Torres Strait Islander Children.’

- Ms Durgasri Jaisankar: 2019 CDA Theme HDR Publication Award for the paper, ‘Effects of eye rotation and contact lens decentration on horizontal peripheral refraction.’

- Mr Dinesh Kaphle: 2019 CDA Theme HDR Publication Award for the paper, ‘Multifocal spectacles in childhood myopia: Are treatment effects maintained? A systematic review and meta-analysis.’

- Dr Sekar Ulaganathan: Outstanding Thesis Award (top 5 percent of doctoral candidates in 2018) for his thesis on, ‘The influence of light exposure and seasonal changes on short-term and longer-term changes in axial length of the human eye,’ supervised by Associate Professor Scott Read, Professor Michael Collins and Associate Professor Stephen Vincent.

- Dr Samaneh Delshad: ‘Executive Dean’s Commendation’ for her thesis on ‘Temporal dynamics
of the eye’s response to blur,’ supervised by Professor Michael Collins, Associate Professor Scott Read and Associate Professor Stephen Vincent.

Teaching and Learning Awards

- Ms Natalie Buckman: Associate Fellow Higher Education Academy
- Ms Cheryn Goh: Fellow, Higher Education Academy
- Dr Emily Pieterse: Graduate Certificate in Academic Practice and Fellow, Higher Education Academy

Professional Awards

- Dr Leisa Schmid: Fellow, Higher Education Academy
- Mr Rohan Hughes: Associate Fellow, Higher Education Academy
- Dr Shelley Hopkins: Optometry Queensland and Northern Territory Peter J. Montgomery Award, recognising a practitioner who has made a significant contribution to social justice issues for patients.

Recognition

- A portrait of immediate past Head of School (2008-2018), Peter Hendicott, was unveiled and placed alongside others on the School wall of fame.
Professional staff

Kym Anderson  
(Acting School Coordinator)
Kelly Beith  
Adele Birks  
(School Coordinator, on leave)
Catherine Foster  
Robyn Sutton

Clinic staff

Harry Grzes  
Tina Huynh  
(Clinic Coordinator)
Kylie Prince

Research staff

David Alonso Caneiro  
Laura Bentley  
Ines Cahill  
Trent Carberry  
Drew Carter  
Samuel Cheung

Damian Cuda  
Brett Davis  
Samaneh Delshad  
Amanda Griffiths  
Jared Hamwood  
Gregory Hindmarsh  
Michael Hirning  
Luisa Holguin Colorado  
Kirrily Hoole  
Seyed Hosein Hoseini Yazdi  
Sanet Johanna De Villiers  
Amy Johnson  
Callula Killingly  
Jason Kugelman  
Hamish McNeill  
Kylie McNeill  
Thomas Nugent  
Pyntha Rajasingam  
Jenna Riseley  
Alyra Shaw  
Marwan Suheimat  
Hoang Tran  
Sekar Ulaganathan  
Prajna Vidyasagar  
Anthony Wingard  
Fan Yi
Sessional staff

Sandra Au
Barash Barsha
Felicity Berkley
Pradipta Bhattacharya
Celia Bloxsom
Edward Burgin
Rebecca Cox
Rachel De Leon
Samaneh Delshad
Ruvini Dissanayake
Sunila Dumpala
Damien Fisher
David Foresto
James Fuss
Susan Gaskell
Subodh Gnyawali
Cheryn Goh
Cavelle Griffiths
Noel Harris
Peter Hendicott
Mark Hinds
Luisa Holguin Colorado
Inez Hsing
Rohan Hughes
Durgasri Jaisankar
Callula Killingly
Vinay Kumar Nilagiri

Simon Lan
Courtenay Lind
Simon Little
Michelle Maynard
Hamish McNeill
Kyle McNeill
Marissa Megaloconomos
Ngoc Tho Nguyen
Hamed Niyazmand
Mark Overton
Candice Pearson
Leah Petit
Pryntha Rajasingam
Archayeeta Rakshit
Leisa Schmid
Alyra Shaw
Ada Tang
Mandy Truong
Sekar Ulaganathan
Elizabeth Vieritz
Daniel Vu
Ann Webber
Julie Weir
Craig Woods
Kevin Yow Yeh
Ilyanoon Zahari

Higher degree research students

Pradipta Bhattacharya
Andrew Christiansen
Rebecca Cox
Mahesh Dev
Sunila Dumpala
Ignacio Andres Viedma Escalona
Damien Fisher
Lirong Esther Ho
Rohan Hughes
Durgasri Jaisankar
Dinesh Kaphle
Barsha Lal
Francisco Yoel Garcia Marin
Vinay Kumar Nilagiri
Hamed Niyazmand
Mukund Pant
Asik Pradhan
Zachery Quince
Archayeeta Rakshit
Swee Chai Teoh
Samir Upety
Ursula White
Ilyanoon Zahari
Nanyu Zhou

QUT Optometry Student Society Executive

Jamie Bashar (Treasurer)
Emma Hayley
Sabrina Hsu
Katrina Lacy
Derek Lay
Myngoc Le
James Lee (President)
Riya Makan
Jordan Marr
(Vice-President)
Lachlan Munro
Bronte Rolls
Sungwoo Son
Lachlan Su
Anita Tran
Briana Tsang
Carmen Tse
Annual Report 2019
School of Optometry and Vision Science

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