# University of Otago Graduation Ceremonies

SATURDAY 7 DECEMBER 2024 1PM AND 4PM







## Coat of Arms

The University's coat of arms was granted by the Lord Lyon King of Arms (Scotland's premier officer of arms) on 21 January 1948. Its design is based on that of the unauthorised arms which appeared on the University's seal in use by September 1870.

The blazon (technical description) of the arms is:

Azure, on a saltire cantoned between four mullets of six points Or, a book, gilt-edged and bound in a cover Gules charged with a mullet of six points of the second [i.e. Or] and a book-marker of the third [i.e. Gules] issuant from the page-foot, and in an Escrol under the same this Motto "Sapere Aude". (Lyon Register vol.36, p.102)

In ordinary language, the shield is blue, with a gold saltire (Saint Andrew's cross) between four gold six-pointed stars. On the centre of the saltire there is a closed red book, gilt-edged and with a red book-marker protruding, bearing another gold six-pointed star on its cover.

The motto may be translated as 'dare to be wise' or 'have courage to be wise'.

otago.ac.nz/about/history/#coatofarms



## Scan here for a digital programme:

The front cover depicts the University of Otago's pou whenua. Named after Tāwhaki, who is known for his pursuit of knowledge and the many challenges he encountered on his journey, the pou whenua is situated on the lawn between the St David Complex and the Ōwheo Water of Leith.

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## University of Otago Office Holders

Chancellor	
	P. A. Oakley BCom(Otago) CFInstD
Pro-Chancellor	B. J. Boyle LLB(Otago) MBA(MIT)
Vice-Chancellor	G. M. Robertson BA(Hons)(Otago)
Deputy Vice-Chancellor (Academic)	S. Brock BA(Hons)(Monash) MA(ANU) PhD(Princeton)
Deputy Vice-Chancellor (Research and Enterprise)	R. J. Blaikie BSc(Hons)(Otago) PhD(Camb) FRSNZ FOSA MIEEE MInstP
Deputy Vice-Chancellor (External Engagement)	J. F. M. Palmer BCom LLM(Auck) LLM(Camb) MInstD
Deputy Vice-Chancellor (Māori)	A. Ruru MNZM BA(Well) LLM(Otago) PhD(Vic BC) Hon LLD(Newcastle) FRSNZ
Chief Operating Officer	S. W. Willis BNursing MHlthSc(Qld UT) MPRM(S Qld) AdvDipPM(Southbank IT) MATEM MinstD MoP
Pro-Vice-Chancellors	
Humanities	H.R. Campbell MA(Otago) PhD(C Sturt) (Acting)
Sciences	R. J. Barker BSc(Hons) PhD(Massey) CMInstD
Health Sciences	M. J. Gibbons BCApS(Otago) PGDipDiet(Otago) MSc(Massey) PhD(Auck)
Commerce	M. A. Thyne BA PhD PGDipTour DipGrad(Otago)
Deans	
Biomedical Sciences	E. A. Matisoo-Smith BA(Berkeley) PhD(Auck) FRSNZ (Acting)
Education	V. R. Anderson BEd(Cant) PhD PGDipArts(Otago) DipTchg(ChchCE)
Law	S. E. Griffiths BCom LLB(Hons) MA(Otago) FCA
Māori, Pacific and Indigenous Studies	P. P. Vakaoti MA(S Pac) PhD(Qld)
Physical Education, Sport and Exercise Sciences	E. A. Hargreaves BSc(Hons)(Glas) PhD(Wales)
Surveying	A. B. MOORE BSc(Hons)(Portsmouth) MSc(Leic) PhD(Plym)
Medicine	T. J. Wilkinson MB ChB MD PhD(Otago) MClinEd(NSW) FANZAHPE FRACP FRCP FAMEE (Acting)
Dentistry	P. R. Cooper BSc(Hons)(Leeds) PhD PGCILTHE (Birm)
Pharmacy	B. R. Russell BPharm(Hons) PhD(Otago)
Physiotherapy	L. A. Hale BSc(Cape Town) MSc(Physio) PhD(Witw) FNZCP
Registrar	D. S. Clark BA BTheol (Hons) PhD (Otago) MInstD
-0	

# Ceremony One: 1:00pm

Degrees to be conferred and diplomas to be awarded in Dentistry, Physiotherapy, and Medical Laboratory Science.

## The order of the Ceremony

The Chancellor will preside and with the Council and representatives of the staff, graduates and students will enter at 1:00pm.

The audience is requested to rise as the procession enters.

Speeches of welcome from the Chancellor and Ko te Kaiwhaikōrero mō te Tangata Whenua (Māori Orator).

The National Anthem, in Māori and English (printed inside the back cover of the booklet).

Conferment of degrees and presentation of diplomas by the Chancellor.

The Vice-Chancellor will present candidates for doctoral degrees.

Pro-Vice-Chancellors and Deans will present candidates for other degrees and diplomas.

INTERLUDE: Kieran Kelly, baritone Terence Dennis – piano The Music of the Night (The Phantom of the Opera) – Lloyd Webber

Graduation address by Reuben Katene BDS(Otago)

Gaudeamus (printed inside the back cover of the booklet).

- Māori Orator
   Emeritus Professor John R. Broughton CNZM ED JP(rtd) BSc(Massey) BDS PhD

   PGDipComDent DipGrad(Otago)
   PGDipComDent DipGrad(Otago)
- Mace Bearer Keegan L. Wells BASc MPlan(Otago)
- Organist David C. Burchell MA(Oxon)
- Piper Jack K. Broomfield

# Degrees to be conferred and diplomas to be awarded in person

#### Doctor of Philosophy

Priyanthi Chandravarnan Xiaoxuan Deng Sarah Margaret Walker

#### Doctor of Clinical Dentistry

Omar Barakat: Periodontology Shayden Michael Karanema Bell: Endodontics Zoe Mackay Berryman: Orthodontics Esther Chia Ling Cheong: Orthodontics Zaid Dohan: Endodontics Liangwen Hu: Orthodontics Yinglu Jiang: Orthodontics Aiswarya Kovanur Kesava: Paediatric Dentistry Jonathan James Martin: Periodontology Steven James McKinstry: Oral Surgery Muhammad Aiman Bin Mohd Nizar: Oral Pathology Rebecca Louise Phemister: Periodontology Peter Sese: Oral Surgery Gongrui Sun: Endodontics

#### Bachelor of Teaching

Saffron Rose Cunneen Wilson (Endorsed in Primary Education)

#### Bachelor of Commerce

Anna Sophie Browning

Bachelor of Biomedical Sciences Bridie Rose Shelton

#### Master of Medical Laboratory Science

Dale Thomas Stanners, with Credit

# Bachelor of Medical Laboratory Science with Honours

Francis Anthony Umali Costas, First Class Matthew Nathan Cresswell, First Class Elizabeth May Laven, First Class Ella Nicole Mycock, First Class Andrew Norgate, First Class Kimberly Jinelle Pinto, First Class Samantha McKenzie Ponder, First Class Abbie Grace Graham Sommerville, First Class Cathy Sun, First Class Theresa Winckler, First Class

#### Bachelor of Medical Laboratory Science

Sophia Kim Barlow, with Credit Khrystine Angelique Garcia Carullo, with Distinction I-Wah Claire Chan, with Credit Tristan Christopher Philip Cherrill, with Distinction Enoch Shean-Fa Chin, with Distinction Sooin Choi, with Credit Maria Isabela Kanni Costas, with Credit Alice Hannah Doney, with Credit lessica Marie Evans, with Distinction Senumi Pasansi Gunawickrama, with Distinction Olivia Susan Hurnard, with Credit Jan Marie Ytac Janerol, with Distinction Noramon lungsakul, with Credit Patrick Bryce Kane, with Credit Elinor Faith McAuley, with Credit Karla Mathilde Rades, with Distinction Tegan Jessie Pasley Rutherford, with Distinction Amelia Zoe Scott, with Credit Kirushni Suthakaran, with Credit Imogen Ruby Taylor, with Distinction Alan Uthup, with Distinction Anna Jacqueline Welch, with Credit Carly Fay Williams, with Distinction Altha Prima Ciza Palafox Zamora

#### Bachelor of Dental Surgery with Honours

Buthaina Zahran Saif Al Kindi, First Class Zinah Awbi, First Class Daniel Ryan Clemens, First Class Kristen Alice Laing, First Class Loh Kai Hong Matthew, First Class Alyssa Jade Shelton, First Class Jasmina Singh, First Class Abigail Dawn Thompson, First Class Stephanie Ung, First Class

#### Bachelor of Dental Surgery

Gemma Rose Adams, with Distinction Abdul Rahman Ahmadi, with Distinction Rafi Ahmadi, with Credit Mohannad M A M Aladsani, with Credit Ahmad F M A Alenezi, with Credit Zainab T A M Alfoudari, with Credit Al-Muaayad Salim Rashid Al-Magbali, with Distinction Adrita Tasmia Arif, with Credit Beth Caitlin Bennet, with Distinction Stephanie I-leh Chan, with Distinction Yong Xin Chang, with Distinction Victoria Chen, with Distinction Xiao Ting Chen, with Credit Ella Grace Chibnall, with Distinction Tim Choi, with Credit Yan Teng Chow, with Credit Xing Yee Chua, with Distinction Nikki Rose Coltellaro, with Distinction Hamish Ryuma Crabb, with Credit Daisy Adeline Cumberland, with Distinction Georgina Grace Currie, with Credit Kun Du, with Distinction Grace Adrienne Francois, with Distinction Sophie Caroline Gaudin, with Distinction Fatimah B GH O Ghuloum, with Distinction lamie lana Gian, with Distinction Sophie Rachel Gibbons, with Distinction Elvira Claudia Ham, with Distinction Sonia Hua, with Distinction Tsz-Han Hung, with Distinction Sarah Ibrahim, with Distinction Breanna Mooi Meisje Jansen, with Distinction Yeoiin Kim, with Credit Shivaani Kokula Krishnan, with Distinction Inza Kritzinger, with Distinction Abigil Jia-You Lai, with Distinction Cynthia lie Ying Lau, with Distinction liwoo Lee, with Credit Jungmin Lee, with Credit Weei Yee Lee, with Distinction Wei Song Lee, with Distinction Michael Alexander Le Pine-Day, with Distinction Yan Kang Lim, with Credit Cindy Meiting Liu, with Distinction Yu Nam Lo, with Distinction Faeamani Lokotui, with Credit Vivianne Win Yenn Loo, with Credit

Isabela Vivencia Goh Manzano, with Credit Ella Maree McDonald, with Credit Burto Bruno Meffan, with Credit Raina Grace Mitchell, with Distinction Gabrielle Teuila Sialei Muao, with Distinction Nathanael Lim Wei Shen, with Credit Ruguia Fatima Nayyer, with Distinction Liam Mingko Nelson, with Credit Li Anne Ng, with Distinction Nichakarn Nivatvongs, with Credit Lucy Elizabeth Nightingale O'Connor, with Distinction Rachel Indira Page, with Distinction Polina Plaksina, with Distinction Vengkat Raman Radhakrishnan, with Credit Adam James Richardson, with Credit Luther Brahmson Rossouw, with Credit Jordan Anh Ryan-Kidd, with Credit Mohammad M Y F Salmeen, with Credit Mitchell Alexander Sammut, with Credit Saved Mohammad S E S A S E Saved Ebrahim, with Distinction Robin Singh Sejwal, with Credit Yungi Shen Choon Meng Sia, with Credit Amy Renee Jane Simmons, with Distinction Phoebe Rose Skinner, with Distinction linao Charlotte Sun, with Credit Fang Ying Tan, with Credit Vicky Tjhang, with Credit Kevin Tran, with Distinction Francesca Maria Olivia Treuren, with Distinction Ruby Heleini Sina Tukia, with Credit Rebecca Mary Weastell, with Distinction Hannah Sarah Wilson, with Credit Chee Hong Wong, with Credit Khai Xi Woon, with Credit Thomas Haoyu Ye, with Credit Joshua Aaron Young, with Distinction Mohammad Hasan Mohammad S Zaman, with Distinction Qilong Zhou, with Distinction

#### Master of Dentistry

Matías Antonio Andrade Villalobos (Endorsed in Aesthetic Dentistry), with Distinction

#### Bachelor of Dental Technology

Al Aziza Rashid Said Al Kalbani Shama Mohammed Khalfan Al Qaidi Yanhong Liu Jessica Taylor McNaughten Reeya Patel Mimi Sadrolodabai Prapitchaya Saimule Hannah Shahin Odessa Joi Wilson Vincent Ye Samara Johanna Mary Zegwaard Eric Zhang Xinyi Zhou

#### Bachelor of Oral Health

Mahdieh Ahmadi Waed Aldawahrah Al Julanda Jaifar Mohamed Al-Maawali Aseel Ahmed Salim Al Mandhari Indianna Stella Alsop Da-Eun Baek Ruby Elizabeth Baxter Corrina Frances Beel Hamish Alexander Bone Maddison-Jean Cathcart Nianzhi Chang Ruoling Chen Emma Jane Connell Siobhan Eleanor Crozier Simone Anne Davie Cassandra Lee Dow Yazan Rassem El Fares Trinity Antonia Arihia Frater Komalkarishma Goundar Nicole Georgina Greig Jacqueline Zhen Ling Hu Te Maia Caroline Isabel Johnson-Watson Seovoung lung Madeleine Antonia Kathro Lydia Keoghan Minseo Kim Sarah Kim Yong Joon Kim Beth Maree Kirkpatrick Abhishek Kumar Priyanka Ashni Kumar Preeya Lallu

Seohyun Lee Seojin Lee lessica Lin Sara Qasim H Majeed Brooke Imogen Mathewson Vivienne Mae McGregor Clem Esme McIntosh-Oakley Sarah Marie McLeish Portiva Renae Melville Ahna Libby Norman Charlotte Helena Rose Petrie Caitlyn Zhenhui Piao Tyla Kate Roe Lauren Aimee Rossiter Arunima Sahu Amarise En-Hui Seet Ruby Ruvi Shi Hannah Kaye Sutton Alexis Charlette Tapnio Tabea Ganga Ulrich Dylan Andreas Teake Vanuffelen Sherry Wang Charlotte Maria Wheeler

#### Master of Physiotherapy

Bronwyn Louise Prestage (Endorsed in Sports Physiotherapy), with Distinction Rosemary Nancy Tait (Endorsed in Orthopaedic Manipulative Therapy), with Distinction Yimeng Wang (Endorsed in Orthopaedic Manipulative Therapy), with Distinction

#### Bachelor of Physiotherapy with Honours

Roisin Jane Anderson, First Class Michael William Culling, First Class Nishan Paul John, First Class Zack Aaron Knight-Devlin, First Class Brylee Paige Orpwood, First Class Mikayla Amy Swan, First Class Toni Lisette Thomas, First Class Hannah Clare van Kampen, First Class Katrina Widmaier-Waurechen, First Class

#### Bachelor of Physiotherapy

Timothy Brett Adams, with Distinction Emily Anne Allan, with Distinction Michael Karl Appert, with Credit Juliette Mae Auffray-Baude, with Credit Mawgan Roy Bailey, with Credit Xavier Michael Louden Bell, with Credit Lucy Grace Bennetts, with Credit Simon Alexander Brass, with Credit Gemma Louise Brock, with Distinction Joel Paterson Brosnan, with Distinction Tori-Lee Violet Rebecca Brown, with Credit Leah Julia Bullock-Lindegger, with Distinction Poppy Rae Campbell, with Credit Harry Peter Coleman, with Credit Abby-Leigh Collier, with Distinction Ryan Maxwell Collins, with Credit Divnesh Dipesh Dayal, with Credit Jessica Linda Bryce Drake, with Distinction Mahmoud Shady Mahmoud Ibrahim

Elfayomi, with Credit Shengxun Timothy Er, with Credit Marina Ruth Ferguson, with Credit Leah Ashleigh Friend, with Distinction Maddison Jayne Fuller, with Distinction Xanthe Rose Furkert, with Credit Sian Rose Gerard, with Credit Nina Rosharn Gibbs, with Credit Hamish Crawford Gibson, with Distinction Cobra Charles Graham, with Distinction Ryan Tony Greig, with Distinction Kimberley Louise Grimes, with Credit Tyler Cheyenne Grossett, with Credit Brodyn Anthony Hall, with Credit Emma Jessica Hanson, with Distinction Alice Josephina Harrison, with Credit Kiardyn Jesse Hatch Audrey Jessie Hayes, with Credit Casey Samuel Hearn Maria Lorna Hendry, with Distinction Robin James William Hodson-Seel, with Credit Emily lean Horn, with Credit lack Michael Ifield, with Credit Tyra Betty Louise Jamieson, with Distinction Min Jay Jeon, with Credit Olivia Jayde Jordan, with Distinction Dana Rose Kalasih, with Distinction Hamish Patrick Carter Keenan, with Credit Ihaia Joshua Taitoko Kendrew, with Distinction Sophia Joy Kersten, with Credit Poppy May Khouri Kilworth, with Distinction Ileana Elizabeth Lameta Olivia Mary Leach, with Credit Daniel Lee, with Credit

Ji Him Justin Leung, with Credit Adriana Eva Lipinski, with Credit Yaxin Lu, with Credit Seajay Nicole MacDermott, with Distinction Arielle May Mackie, with Credit Skye Harriet Ellis MacLeod, with Credit Tamara Paige Marshall, with Distinction Anna Mary Martin, with Credit Case Mastny-Jensen, with Distinction Emma Kate McColl, with Distinction Libby Margaret McDonald, with Credit Briar Courtney McKenzie, with Distinction Abby Carey-Ann McMullan, with Distinction Laura Kate Mercer, with Distinction Annie Rose Metcalfe, with Distinction Henry James McHardy Moir, with Credit Lily Alexandra Jane Molloy, with Credit Patrick Colin Neal, with Credit 7hen Nie

Grace Emma Northern, with Distinction Caitlin Ellen O'Connell, with Credit Thomas Craig Oldham, with Credit Samuel James Awatea O'Meara Angeline Hui Sian Ong, with Credit John Michael Iquin Paca, with Credit Emma Marie Paul, with Distinction Marie Elizabeth Peart, with Credit Elora Ana Peters, with Distinction Kelly Brook Prangley, with Distinction Amandeep Kaur Riar Shaun Richard Rooney, with Credit Lauren Helen Scott, with Distinction Rugavah Scott-Paul, with Credit Breana Alice Smith, with Credit Cameron Stewart Smith, with Credit Emma Louise Smith, with Distinction Meg Bella Smith, with Distinction Madeleine Gray Stead, with Credit Victoria Louise Sterritt, with Credit Ailish Rose Fitzsimons Sullivan, with Distinction Hyuma Takeuchi, with Credit Paul Yuji Tang, with Credit Lucas Metuisela Taumoepeau, with Credit Sophie Ella Thompson, with Distinction Riley Glenn Tibbitts, with Credit Benjamin Clay Timmings, with Distinction Georgia Lily Tiro, with Credit Annika Chiara Tissies, with Credit

Noah Joshua Toole, with Distinction Xann Elijah Celzo Velasco, with Credit Renz Arvee Soledad Vidanes Rhianna Fleur Waller, with Distinction Katie Louise Westerlund-Perry, with Credit Isaac Ellis Whiteley, with Credit Jemimah Rose-Elizabeth Wilson, with Distinction Max Neville Wong, with Distinction Ryan Daniel Woodhouse, with Credit Charlotte Christina Worley, with Distinction Leo Zhang, with Credit

#### Postgraduate Diploma in Clinical Dental Technology

Runzi Cao, with Distinction Kevin Huang, with Distinction Tomomi Imaizumi, with Credit Veronica Zei Consumido Kagaoan, with Distinction Lok Yi Lam, with Credit Pui Ka Jasmine Yam, with Distinction

#### Postgraduate Diploma in Physiotherapy

Toni-Marie Blythen (Endorsed in Orthopaedic Manipulative Therapy), with Distinction Jessica Ann Fernandes (Endorsed in Neurorehabilitation)

#### Diploma for Graduates

Mark Geoffrey Olsen Procter (Endorsed in Energy Management)

# Degrees to be conferred and diplomas to be awarded in absentia

#### Doctor of Philosophy

Patricia Louise Whitfield

#### Master of Medical Laboratory Science Hanlin Chen, with Distinction

#### Bachelor of Medical Laboratory Science

Pallak Bhatnagar, with Credit Yufei Diao, with Distinction Felicity Inez George, with Credit Chongyuan Li, with Credit Divya Satishkumar Patel, with Distinction Ruoling Xiao, with Distinction Xintong Zhang, with Distinction

#### Bachelor of Medicine and Bachelor of Surgery

Tara Cleverley Oliver Alex McCullough

Bachelor of Dental Surgery with Honours Laith Matar Salim Al Balushi, First Class

#### Bachelor of Dental Technology Hussam laber

#### Master of Physiotherapy

Paul Robert Stainthorpe (Endorsed in Sports Physiotherapy), with Distinction

#### Bachelor of Physiotherapy

Youngwoong Cho, with Credit Joshua Kai Yang Trisnandi, with Credit

#### Postgraduate Diploma in Medical Laboratory Science

Cathy Jia Chen, with Distinction Kahla Tyson, with Distinction

#### Postgraduate Diploma in Child Health

Sean Grant Aitchison, with Credit Michael John Richard Catterall Caitlyn Helen Cunningham-Tisdall, with Credit Madison Grace Hutton, with Credit Seohyun Kim Justine Elizabeth Paddison, with Credit

#### Postgraduate Diploma in Obstetrics and Medical Gynaecology

Sheharazade Kamila Mihlar Charlotte Mary Skelton

#### Postgraduate Diploma in Public Health

William Lawson Frost (Endorsed in Epidemiology), with Distinction Andrew Julian Leighs, with Distinction

#### Postgraduate Diploma in Clinical Dentistry

Alexandra Jessie France: Oral Surgery, with Distinction

#### Postgraduate Diploma in Clinical Dental Technology

Chun Guo, with Distinction Samantha Joan Mei Yung Khaw, with Distinction Seoin Lee Chae-Yeon Park, with Credit

#### Postgraduate Diploma in Physiotherapy

Sophie Louise Martin (Endorsed in Sports Physiotherapy), with Credit

# Notes on Doctoral Graduands

## Priyanthi Chandravarnan, PhD

#### Decontamination of mycotoxins in rice by sustainable food processing techniques

This research investigates the effectiveness of microwave and UV treatments as sustainable methods for mycotoxin decontamination in rice. Mycotoxins are harmful toxic substances produced by certain fungi and can be found in rice at all stages of rice production from growth to harvest, storage and processing. Therefore, developing effective strategies to reduce or remove mycotoxins in rice is crucial. Findings show that microwave and UV treatments significantly reduce mycotoxin levels, making rice safer for consumption without compromising its nutritional and sensory qualities. Additionally, the treatments enhance certain techno-functional properties, such as water absorption and solubility potentially adding value in food applications.

## Xiaoxuan Deng, PhD

#### Drug-eluting biodegradable surgical suture for wound healing

This research introduces a groundbreaking surgical suture designed to enhance wound healing and reduce the risk of infections. By incorporating microparticles loaded with curcumin—a natural compound known for its antioxidant, antibacterial, and anti-inflammatory properties—the sutures not only hold tissues together but also promote healing. Made from biodegradable materials, these sutures release curcumin gradually over time, providing continuous therapeutic benefits. Crucially, they maintain the strength needed for medical procedures and are safe for the human body. This innovative development promises to improve patient recovery, reduce complications, and contribute to more effective healing after surgery.

### Sarah Margaret Walker, PhD

Supporting allied health professionals in rural Aotearoa New Zealand

## Omar Barakat, DClinDent

# Antibacterial GelMA constructs containing alpha lipoic acid-capped silver nanoparticles for bone tissue regeneration

This research developed a hydrogel scaffold combining Gelatin Methacryloyl (GelMA) with silver nanoparticles to enhance bone tissue regeneration for dental applications. The study explored the scaffold's potential to support bone growth and provide antimicrobial protection. Mesenchymal stem cells were cultured on GelMA-AgNP constructs, and assays measured cell viability, cytotoxicity, and osteogenic differentiation at varying silver nanoparticle concentrations. Lower concentrations of 5 µg/ml silver nanoparticles optimally supported cell health and bone-forming activity, while higher concentrations reduced viability. GelMA-AgNP scaffolds is positioned as a promising solution for safe, effective bone regeneration, with potential to reduce infection risks and improve outcomes in dental treatments.

## Shayden Michael Karanema Bell, DClinDent

# Deep caries management and the exposed pulp in permanent teeth – let's be consistent!

Dental caries (decay) is prevalent in New Zealand (NZ) and frequently leads to pain, infection, root canal treatment or tooth loss. Dentists frequently manage deep caries but this lacks a standardised approach and frequently results in over- or under-treatment. Vital pulp treatment (VPT) is a conservative procedure that retains healthy tissue and offers an alternative treatment option with good success.

Among an expert group of NZ clinicians there was an awareness of VPT but weak evidencebased understanding and inconsistent practice. Treatment predictability was a concern. A national guideline was developed to guide NZ dentists towards a consistent approach which will enhance patient outcomes and reduce inequities in oral health.

## Zoe MacKay Berryman, DClinDent

#### Patterns and life-course determinants of tooth wear among adults

Tooth wear involves the wearing of tooth structure over time. This research analysed tooth wear patterns and potential determinants among participants in the Dunedin Multidisciplinary Health and Development Study (Dunedin Study). The Dunedin Study is a longitudinal study of a birth cohort of 1037 children born at Queen Mary Hospital, Dunedin, New Zealand between April 1, 1972 and March 31, 1973. Tooth wear was assessed from the age 45 digital scans of the study members' teeth. Five patterns of tooth wear were identified which varied in severity. Night-time tooth grinding, nail/finger-biting, a deep bite, externalising disorders, and alcohol dependency were associated with more severe patterns of tooth wear.

## Esther Chia Ling Cheong, DClinDent

#### The effects of stroke on oral function and oral health: a qualitative study

Stroke is the third leading cause of death and the main cause of serious adult disability in New Zealand. It results in a myriad of physical and cognitive impairments. Among these, the impact on oral function and oral health are less explored.

This qualitative study investigated the perceived consequences of stroke on oral function (biting, chewing, and swallowing) and oral health through the narratives of stroke survivors. Findings revealed survivors experienced a range of challenges in oral function and oral health following stroke. Swallowing difficulties, weakened bite strength, oral sensory changes and diminished oral hygiene practices emerged as common occurrences. Participants also highlighted a lack of oral care in hospital and follow-up, emphasising the need for tailored interventions and support.

### Zaid Dohan, DClinDent

Effect of a novel bone-derived nanohydroxyapatite toothpaste on artificial caries lesions, and effect of calcium phosphate concentration and fluoride on artificial root caries formation

## Liangwen Hu, DClinDent

#### The effect of posterior bite raising on habitual activity of the masticatory muscles

Clear aligners are an increasingly popular method of orthodontic treatment. This study explored the effects of thickened aligners in clear aligner treatments on chewing muscle activity. Twelve participants underwent a randomized experiment with electromyographic monitoring over five hours under three conditions: no aligners, control aligners, and thickened aligners. Results showed that thickened aligners significantly increased chewing muscle contractions. Both aligners caused the lower jaw to rest at a wider opening, with thickened aligners showing the highest increase. Both aligners caused initial discomfort, but no disorders of the jaw joints developed. Findings suggest that thickened aligners may temporarily increase chewing muscle activity and help control the vertical movement of teeth in healthy adults.

## Yinglu Jiang, DClinDent

#### Nano-TiO2 anatase-rutile-carbon coating for orthodontic stainless steel appliances

Patients wearing orthodontic braces are at a higher risk of tooth decay due to plaque buildup. A new antibacterial coating, combining titanium dioxide with amorphous carbon (NsARC), may offer a solution, as it doesn't require light activation like traditional titanium dioxide coatings. This study evaluated the physical properties, antibacterial effects, and safety of the novel coating. Results showed that the coating made surfaces rougher and more hydrophilic, and significantly reduced the attachment of bacteria in both light and dark conditions, but the antibacterial effect was not diffusible. It also increased friction between braces and wires and showed mild cell toxicity that increased over time. Further research is needed to explore the long-term safety and practical benefits of the NsARC coating.

### Aiswarya Kovanur Kesava, DClinDent

Dental avulsion injuries in New Zealand: the experiences of affected children/ adolescents and their families - a qualitative study

## Jonathan James Martin, DClinDent

#### Mamaku (Cyathea medullaris): ethnobiology and use as a novel intraoral medicament

Mamaku (black tree fern), a regenerative plant used in Māori medicine, was studied for its potential as an oral health treatment. This research explored its traditional use and tested how mamaku extracts interact with human gum cells, their effectiveness, and their activity in the mouth.

Various extraction methods were used to create oral gels, which were tested at different concentrations on gum cells to assess safety. Initial insights into the antibiotic potential of mamaku gels were also gained, though further research is needed. In a lab-simulated mouth model, mamaku gels showed promising results, demonstrating potential as a natural, biocompatible oral health treatment. Further refinement is needed to optimise these gels and determine their safety and effectiveness.

### Steven James McKinstry, DClinDent

Accuracy of fully-guided implant surgery compared to partially-guided and free-hand implant surgery - an in-vitro study

## Muhammad Aiman Bin Mohd Nizar, DClinDent

Endoplasmic reticulum stress in oral lichen planus-associated fibroblasts

## Rebecca Louise Phemister, DClinDent

# Cytokine modulation in response to nisin Z lantibiotic with application in periodontal inflammation: an in vitro study

Periodontitis is a chronic inflammatory disease where bacteria around teeth trigger an immune response, damaging the structures that support the teeth.

This study investigated a nisin-based treatment as a potential new approach for periodontitis. Nisin, commonly used as a food preservative, has antimicrobial effects and is safe for human consumption. It may also have immune-modulating properties. As saliva constantly washes over teeth, sustained delivery of treatment to oral tissues is challenging. To address this, nisin was encapsulated in chitosan nanospheres to facilitate a controlled release. Although strong immune benefits for periodontitis were not observed, the nisin-loaded nanospheres may still prove to be effective as a sustained release antimicrobial treatment for periodontitis.

### Peter Sese, DClinDent

Trends in facial fractures in New Zealand from 2010 to 2022

## Gongrui Sun, DClinDent

Development of an easy-handling, bioinductive chitosan-silk fibroin supplemented hydroxyapatite cement for use in vital pulp treatment

## Thesis topics of doctoral graduands in absentia

### Patricia Louise Whitfield, PhD

Ethnic differences in glucose metabolism and body composition in Aotearoa New Zealand

# Ceremony Two: 4:00pm

Degrees to be conferred and diplomas to be awarded in Medicine and Pharmacy.

## The order of the Ceremony

The Chancellor will preside and with the Council and representatives of the staff, graduates and students will enter at 4:00pm.

The audience is requested to rise as the procession enters.

Speeches of welcome from the Chancellor and Ko te Kaiwhaikōrero mō te Tangata Whenua (Māori Orator).

The National Anthem, in Māori and English (printed inside the back cover of the booklet).

The Public Orator will present a candidate for an honorary degree.

Conferment of degrees and presentation of diplomas by the Chancellor.

The Vice-Chancellor will present candidates for doctoral degrees.

Pro-Vice-Chancellors and Deans will present candidates for other degrees and diplomas.

INTERLUDE: Kieran Kelly, baritone Terence Dennis – piano *The Music of the Night (The Phantom of the Opera) – Lloyd Webber* 

Graduation address by Emeritus Professor Dame Linda J. Holloway DNZM MB ChB MD(Aberd)

Gaudeamus (printed inside the back cover of the booklet).

Public Orator	Associate Professor Grace Moore BA(Hons)(Exe) MA(William & Mary) PhD(Exe)
Māori Orator	Emeritus Professor John R. Broughton CNZM ED JP(rtd) BSc(Massey) BDS PhD PGDipComDent DipGrad(Otago)
Mace Bearer	Keegan L. Wells BASc MPlan(Otago)
Organist	David C. Burchell MA(Oxon)
Piper	Jack K. Broomfield

# Degrees to be conferred and diplomas to be awarded in person

Honorary Degree of Doctor of Laws Linda Jane Holloway

#### Doctor of Medicine Timothy Newman Stokes

#### Doctor of Philosophy

Elisabeth Ellen Heath Sung Kyong Lee Harrison Michael Lewin Gabrielle Karen McDonald Julia Elise Muir Thomas Christopher Mules Conway Walt Niu Sophia-Louise Noble Parul Rani Shekhar Sehgal Klarissa Anne Sinnappah Akhilesh Swaminathan

#### Bachelor of Arts

Sophia Rhea Mackay

Master of Chaplaincy Matthew Paul Hawkins, with Distinction

### Bachelor of Science and Bachelor of Pharmaceutical Science

Daniel Andrey Murin-Yim

# Bachelor of Pharmaceutical Science and Diploma for Graduates

Sophia Maree Rogers: Diploma for Graduates (Endorsed in Pharmacology)

#### Bachelor of Pharmaceutical Science

Thomas Allatt Rebecca Maree Jamieson Seojeong Lee Wilson Wijaya Bachelor of Medicine and Bachelor of Surgery and Bachelor of Arts Indira Malaika Fernando Lane Donald Shand McLeod

#### Bachelor of Medicine and Bachelor of Surgery and Postgraduate Diploma in Public Health

Hannah Frances Ward: Postgraduate Diploma in Public Health, with Distinction

#### Bachelor of Medicine and Bachelor of Surgery and Postgraduate Diploma in Higher Education

Andrew James Barlow

#### Bachelor of Medicine and Bachelor of Surgery

Elisapeta Malina Aaifou-Aloisio Emma Seymour Abraham Jaxson Tamati Abraham Ashley Achal Neil Navneeth Acharv Simon William Aiken-Wheeler Joshuaa Satui Benjamin Alefosio-Pei Nur Farahiya Husna Binti Ali Omar Fergus Harry Allan Georgia Rose Judd Allen Taine Giles Allen Noor Al-Shamma Max Anthony George Anderson Rawiri Wiremu Christopher Aspinall Bethany Grace Astwood Ivana Lara Barbalich, with Distinction Diana Barbu Luke Anthony Barker Edward George Barnett Kathrvn Laurie Barnhill Teiria Barsdell Rachael Pauline Hilary Scanlan Bergin Laura Helen Bingham Jacob Daniel Bond Bridget Elizabeth Bone

Emma Marie Bone Sneha Bothara Ruth Mary Bridgman Jaime Megan Brough Christina Mary Brown Alexa Albany Illaye Bryant Susana Pereise Brvce Mackenzie Grace Oberkircher Buick Milly Grace Burfoot Alexandra Bridget Burns Tessa Jill Burry Kate Diana Elizabeth Burston Isaac David Bush Flvnn Alex Butler Ruby Suzanne Butler Alexander Beresford Calder Kaitlyn Elizabeth Calvert-Shandley Ryan Brett Tamainupo Campbell Sheila Aga Caniba Macy Bronwen Cattell Thomas Willem Chaney Angad Singh Chauhan Asha Mary-Leilani Chee-Keil Raymond Kwang Sen Chen Ryan Chen Ioshua Michael Chin Horim Choi Finnigan Peter Christie Rachael Elizabeth Connell Amy Charlotte Cooper, with Distinction Ionathan Cox Thomas Paul Cummack Maia Julienne Ruth Cunningham Louise Mary Daly, with Distinction Hannah Marlene Davies Matthew William Gary Dender Rhiannon Kate Dew Tanva Divekar Joshua Robert Donker Brenna Grace Douglas Rylee Thea Dudley Yoakim Eckhoff-Bjorngard Molly May Harnett Elliott Elizabeth Charlotte Iosephine Ellis Samantha Brooke Fausett Isabella Grace Ferguson-Roberts Stella Frances Fleming Elise Maree Forman

Kate Hannah Moana Forster Luka luno Fox Navelia Binti Francis Amene Te Tau Tohurangi Fuli-Chee Ka Chun Angus Fung Ethan Samuel Gall Dayna Kahurangi Gallagher Anjali Christine Gentejohann, with Distinction Miriam Kiran George Makareta Ellen Oriwa Tawera George Clark Ashley Penman Gillon, with Distinction Shani Gimblett Georgia Rawiri Mackenzie Grant Rebecca Grace Green Libby Catherine Grigg Lauren Amy Harrower Oban David Hawkins, with Distinction William James McLeay Hayes Holly Anna Hayward Andrew George Heaps Rachel Joanne Rosemary Hendricks Cho Ying Heng lillian Zhi-En Heng Isabella Mae Heskett Victoria Frances Connal Hill Alexander Richard Conway Hlavac Georgia Brianna Hoggarth Victoria May Hos Abdulkareem Olasunkanmi Iposu Carlton James Irving Fariha Islam Shweta Ganesh Iver Zaromali Jama Amos John Jaunay Anudini Punsisi Jinadasa-Wijesinghe Patchara Jirapanyayut Lilian Mei Xia Iones Melenia Tupoutu'a Kaita'eifo Moala Funaki Tangi Ki Nasaleti Katoa Jesse Daniel Keen Olivia Charlotte Kelly Amiel Ezekiel Khan lisu Kim Irene May Knox Shubhapradh Kosna Garrirose Tiamai Elizabeth Koteka Artem Vasylyovich Kravchenko Elizabeth Ana Lafumoa Kula

Paris Portia Isabella Kwan-Parsons FILLEE Felisa Ming Xin Lee Ursula Rui Min Lee Wei-Ting Lee Zoe Cate Ida Leen Emelia Iane Louise Legget Leni Maria Elizabeth Leota Caleb Hoani Le Roy Andy Li Aoao Li Shellev Li Nancy Yujie Liu Ioseph Nathaniel Mitra Luna Ana Gracie Luxford Sullivan Hanna Hunter Lynch Alvin Ma Catriona Janet Macgregor Alice Julia Macleod Holly Anne Malcolm Ammar Haider Manasawala John Geoffrey Harland Marshall Charis Faanimo Marsters Reuben Max Martin-Hendrie Liam lames Matuku Anneke Jocelyn Mayhead Sophie Frances McClean Anna Lucia McCormack Rumbold Kate Ellen McElroy Kiriahi McKee Iamie Willis McKenzie Magnus Maximilian Meffan Grace Alexandra Michie Maria Milkina Aprille Caitlyn Mincher Elisabeth Molly Grace Missen Damian Lunga Monadjem Aragorn Donald More Bridget Frances Moss Norbert George Muller Logan Stanaway Murray Dylan Dheeraj Nagpal Seon Woo Nam Harivatsav Narasimhan Louis Edmund Joseph Newman Rachel Mollie Ngan Kee Hotene Alofa Ngaropo-Tuia Andreas Samuel Nicolaou

Cameron Wilding Ogle, with Distinction Annelisse Kave Olsen Maya Ann Page Thushayini Paraneetharan Lucy Kay Parker Nathaniel Hikairo Paul Darrian Taurau Buck Lov Pearse Dylan Michael Penney Samuel Lochlan Penney Christine Clara Peters Lucy Violet Phibbs Theone Annette Romo Pilapil William Pitts, with Distinction lavavi Premaratne Chloe Michelle Priebe Shaun André Prinsloo Cailvn Iane Prisk lackson Hunter Ranapiri Madeleine Isabella Reid Thomas William Reiner Hiraani Riparata Rieck Finn Timothy Roberts-Craig Lucy Georgina Robinson Rebecca Linda Robinson Hunter Murray Robson Rajat Sagar Samuel Gbormuma Sartie Rosanna Iane Schofield, with Distinction Iden Rhett Schumann Ella Haldane Scopas Anna lane Scott Imogen Frances Scott Takerei Tuhua Searancke Aidan Peter Search Aliah Bibi Shariff Bryan Siew Karishma Singh Nicolas Iames Sinnott Neve Sissons Emma Sarah Skegg Ella Joanne Skudder Lauryn Keeley Smith Antonia Isobel Sowter Annabelle Olivia Stark Joshua Lim Stoddard Rachel Ann Stratton Charlotte Mariah Stuck Nikki Su

Hua Shin Tan Sarah Enya Tan Morgan Jeffery Tanner Conor Mila Tarrant, with Distinction Daniel Anthony Taylor Machaela Tehei-Arii Tepai Carvn Thomas Lathan Ford Thomas Rohan Thomas Alexander Peter Timmings Geraldine Ting Brooke Danielle Tohiariki Kaid Adoni Bovd Tomlinson Danielle lov Tripp Genevieve Tui Samoa Jessie Moana Urwin Yeomans Alofa Tinei Vaamainuu Jenny Way Daniel Zisu Wei Lara Westraad Ciara Bernadette White Sophie Louise White Hannah Maree Wilkinson Charlotte Amelia Williams, with Distinction larred Patrick Williams Emily Margaret Wilson Pere Eru Te Ruawahia Wi Rutene-Pomare Beniamin lames Wishart Robert Wong-Toi Seung Hyuk Woo Simon George Woudberg lefferson Wu Matthew Adam Wylie Tessa May Wylie Nicholas Xinvu Ye Emily lanet Yee Renée Young Terence Julian Young William liewen Zhang Edward Antony John Ziolo, with Distinction

#### Master of Medical Science

Victoria May Booth, with Distinction Meghan Ealish Sandle, with Distinction

#### Bachelor of Medical Science with Honours and Bachelor of Medicine and Bachelor of Surgery

Janelle Ruth Carino Divinagracia: Bachelor of Medical Science with Honours: First Class

- Tatila Helu: Bachelor of Medical Science with Honours: Second Class (Division I)
- Taylor Bryce Keys: Bachelor of Medical Science with Honours: First Class
- Adam Ross Nisbet: Bachelor of Medical Science with Honours: First Class
- Andrew Dison Xiao: Bachelor of Medical Science with Honours: Second Class (Division I)

#### Master of Aviation Medicine and Master of Occupational Medicine

Vi Tri Phuong: Master of Aviation Medicine, with Distinction; Master of Occupational Medicine, with Distinction

#### Master of Public Health and Postgraduate Diploma in Public Health

Alex David Hedley: Master of Public Health, with Distinction; Postgraduate Diploma in Public Health, with Distinction

#### Master of Public Health

Natalia Elizabeth Malinowski, with Distinction Vanessa Catherine Somos, with Distinction Ginette Marie Spence, with Distinction Jodie Maree Worthington, with Credit

#### Bachelor of Pharmacy with Honours

Oliver Charles Stewart Bolton, First Class Angela Gabrielle Buena Caisip, First Class Kate Elizabeth Garland, First Class Erana Mesifa Delaraine Miria Ikimau, First Class Meg Aisling Inwood, First Class

Nisha Jasmeen Grace Khan, First Class Emily Grace Liken, First Class Kalani Laurent Macdonald, First Class Humaira Warsi, First Class

#### Bachelor of Pharmacy

Jasmine Rose Anderson, with Distinction Madison Briarna Arthur, with Distinction Omar Husam Musa Baalousha Chaehyun Bahng, with Distinction Seleena Minakshi Bhana, with Distinction

Toor Haider Butt, with Distinction Justin Thomas Chin, with Credit Rhegine Ashley Ancheta Cordova, with Credit Daying, with Credit Brianna Sophia Fisk, with Distinction Aisling Elizabeth Grace Goatley, with Credit Jacob Thomas Greaney, with Distinction Alexandra Kate Gregan, with Distinction Kate Olivia Hassell, with Distinction Kip Sudana Hosey, with Credit loshua Peter Hou, with Credit Farisha Nabeha Hussein, with Credit Daniel Michael Hussey, with Distinction Simone Lee Hutchinson, with Distinction Eun Hwangbo, with Distinction Atiya Charlotte John Dein, with Credit Emma Rachael Kelly, with Distinction Maya Elizabeth Rose Kelly, with Distinction Heesong Kim, with Distinction Polina Kim, with Distinction Kye Shen Kok, with Credit Lindsay Konsane, with Distinction Maali Rah Andelys Kyle-Ford, with Distinction Yeeun Lee, with Distinction Romina Tusiluvean Leihani Leilua, with Credit Jackson Anaru Le Roy, with Credit Yong Wan Lim, with Distinction Lucas Lin, with Distinction Howard Liu, with Credit Tsit Wan Lo, with Distinction Nicole Georgia Lockie, with Distinction Aaron Loh, with Credit Jonas Zhe Ning Loo, with Distinction Kasra Mahmoodzadeh Namin, with Distinction Raziel Jay Salgado Manuel, with Distinction Stella Anna Scarlett McClure, with Distinction Harriet Daisy Jane McMillan, with Distinction Hannah Cate Mercer, with Distinction Tyler Rose Mitchell, with Distinction Abdul Aahad Aamir Mukhtar, with Distinction Shrima Amritha Gayathri Parachuru, with Distinction Lina Park, with Distinction Anika Moana Kite Perenara, with Distinction Olive Amelia Pujol, with Distinction Susannah Caitlin Rice, with Distinction Rebecca Anna Rietveld, with Distinction Tarryn Adele Roxburgh, with Distinction Isabella Yu-Hsuan Su, with Credit

Ray Su, with Distinction Charlotte Kay Tappenden, with Distinction Caitlin Mary Wade, with Distinction Amber Xin Yin Wee, with Credit Chanelle Bailey West, with Distinction Thomas Martin Wilson, with Credit Chloe Ai En Wong, with Credit Junyi Yang, with Distinction Andrew Ye, with Distinction Isobel Emma Mackenzie Young, with Distinction Jessica Yu, with Credit Rebecca Qi Yu Mnase Bahre Tsegai Zeweldy Mabel Zhou, with Distinction

#### Postgraduate Diploma in Digital Health and Postgraduate Diploma in Obstetrics and Medical Gynaecology Nurul Aliah Mohd Asarani

#### Postgraduate Diploma in Public Health

Nihali Narendra Ambelkar (Endorsed in Health Promotion) Joseph David Baird (Endorsed in Epidemiology), with Credit Cathrine Mutambudzi Rifa Abdul Razzaq

#### Postgraduate Diploma in Rehabilitation

Jenny Terry Jeciel Chua, with Credit

Postgraduate Diploma in Surgical Anatomy Hamish John Liddy, with Credit

Postgraduate Diploma in Travel Medicine Anastasia Teresa Shoebridge, with Credit

# Degrees to be conferred and diplomas to be awarded in absentia

#### Doctor of Philosophy

Panji Fortuna Hadisoemarto Hailemichael Zeru Hishe

#### Bachelor of Medicine and Bachelor of Surgery

Michal Rosa Fridman Jarred Robin Parker Hodson William JH Ju Thomas Edward Powell Shikhar Parijat Sharma Yegen Wang

Master of Medical Science

Sharyn Lee Esteves, with Distinction

#### Master of Aviation Medicine

Katrina Martine Lynam, with Credit

#### Master of Public Health and Postgraduate Diploma in Public Health

Ranui Francesca Baillie: Master of Public Health, with Distinction; Postgraduate Diploma in Public Health, with Distinction

#### Bachelor of Pharmacy

Marina Jade Kenton-Smith, with Distinction Nabeel Hafiz Shakur, with Credit Leo Justus Staufenberg, with Distinction

#### Postgraduate Diploma in Child Health

Daniel Pasquale Cinelli, with Credit Zoe Caroline Windner, with Credit

#### Postgraduate Diploma in Musculoskeletal Medicine

Lik Wei Loh, with Distinction Tomi Gerald Moore, with Distinction

#### Postgraduate Diploma in Obstetrics and Medical Gynaecology

Waimarama Marion Matena Rhiannon Catherine Ellen Mertens Kate Louisa Saunders

# Postgraduate Diploma in Occupational Medicine

Alejandro Fandiño Reyes, with Distinction Sateesh Chandra Yedlapalli, with Distinction

#### Postgraduate Diploma in Ophthalmic Basic Sciences

Morgan James Arnold, with Credit Madelyne Danielle Jouart, with Distinction

#### Postgraduate Diploma in Primary Health Care

Deborah Joy Cogger, with Distinction

#### Postgraduate Diploma in Public Health

Rhiane John Frederick Bishop, with Credit Michelle Bosman (Endorsed in Epidemiology), with Credit Danika Sarah Brearton, with Distinction Jennifer Mary Crowley (Endorsed in Health Promotion), with Distinction Nikola Leah Fraser, with Distinction Mamta Govind, with Distinction Emma Alison Gray, with Distinction Kaitlyn Rose Payne (Endorsed in Health Promotion), with Distinction Rachel Jessica Pongi (Endorsed in Health Promotion), with Credit Merrick Kenzil Rodrigues (Endorsed in

## Postgraduate Diploma in Rehabilitation

Christopher Faiz Marian D'Souza, with Distinction Hannah Jane Irvine, with Distinction

Epidemiology), with Credit

#### Postgraduate Diploma in Rural and Provincial Hospital Practice

Samuel Douglas Strachan, with Distinction

#### Postgraduate Diploma in Surgical Anatomy

Harriet Wairata Beattie, with Credit Michael Zhi Qiang Chim, with Credit Blair Murdoch Ferguson, with Credit Briana Maree Grainger, with Credit Seamus Richard Leahy, with Credit Ying-Jui Ma, with Credit Victoria Lee Murphy, with Distinction Amy Helen O'Neill, with Distinction Liam Patrick Quinlan, with Credit Anika Tessa Radojkovich, with Credit Ajitha Ramesh, with Credit Syed Muhammad Faseeh Raza Zaidi, with Distinction Benjamin Winton Reid, with Distinction Min Ji Shin, with Credit Uma Lavanya Shubra Sreedhar, with Credit Han Zhang, with Credit

#### Postgraduate Diploma in Travel Medicine

Tarryn Marylee Keith, with Distinction Cameron David McLauchlan, with Distinction Richard Paul Van Gelder-Horgan, with Distinction

#### Postgraduate Diploma in Clinical Pharmacy

Laura Jayne Hamilton, with Distinction Sarah Maree Woodfield, with Credit

#### Postgraduate Certificate in Civil Aviation Medicine Karen Lindsav

#### Postgraduate Certificate in

Musculoskeletal Medicine Matthew John Bell Chloe Margaret Horner

#### Postgraduate Certificate in Pregnancy and Medical Gynaecology

Rebecca Ann Dodson

#### Postgraduate Certificate in Public Health

Penelope Mae van Slooten (Endorsed in Environmental Health)

#### Postgraduate Certificate in Rehabilitation

Samuel Christopher Dean Baxter Alicia Elizabeth Hart Hilde Nell Prasuna Ranga Peddinti Lydia Dorothy Tanner Sharon Shalini Verma Kaitlynn Jade Wheeler Pui Fan Yau

Postgraduate Certificate in Travel Medicine Asha Geetanjali Prakash

#### Postgraduate Certificate in Pharmacy Ellery Nate Fruean

James Schon Schönknecht

# Notes on Doctoral Graduands

## Timothy Newman Stokes, MD

From clinical guidelines to implementation science: Changing clinical practice and health care delivery

## Marcus Bryce Ground, PhD

On tissue engineered heart valves

## Elisabeth Ellen Heath, PhD

Preparing for palliative care: New Zealand medical and nursing graduates' preparation, self-efficacy and attitudes towards providing palliative and end of life care

## Sung Kyong Lee, PhD

# Intergenerational associations between parental childhood self-control, parental health behaviours and adolescent children's health behaviours

This research explored data from the Dunedin Multidisciplinary Health and Development Study and the Next Generation Study. Childhood self-control is an important predictor of adult health and behaviour. This research investigated whether parental childhood selfcontrol influenced the health behaviours of their 15 year old children. It found that higher parental self-control associated with less tobacco use and more physical activity among their children, but not with alcohol or cannabis use. Overall, it was found that the childhood self-control of one generation does not consistently predict the health behaviours of the subsequent generation.

## Harrison Michael Lewin, PhD

Exploiting the reactivity of azaquinone methide intermediates as a new method to synthesise bioactive compounds

## Gabrielle Karen McDonald, PhD

# A different kind of evidence: A public health intervention study implemented in a legal setting

When coroners in Aotearoa/New Zealand investigate deaths, they can make recommendations to prevent future deaths occurring in similar circumstances. All our coroners are lawyers and are not trained in prevention science or public health methods that would assist them to make recommendations that are based in prevention theory or in research evidence.

This research examined whether a programme of education and support could enable coroners to fully utilise their death-prevention function. In addition, a review of the coronial system was undertaken to examine structural factors that assist or restrain coroners in this aspect of their role.

While coroners reported benefit from the education sessions, additional resources are required to better support them in their important death-prevention function.

## Julia Elise Muir, PhD

A critical realist exploration of the contexts and mechanisms which produce (in) equitable gout management in Aotearoa New Zealand

## Thomas Christopher Mules, PhD

#### Helminths' modulation of intestinal barrier function

Dysfunction of the intestinal barrier, termed 'leaky gut', is implicated in causing a board range of allergic, autoimmune and metabolic diseases. Infection with certain helminths or intestinal parasites are proposed to prevent and treat the same diseases.

This research examined helminths' impact on intestinal barrier function. Results show that chronic helminth infections improve intestinal barrier function, a finding which could be harnessed to treat diseases such as inflammatory bowel disease. Next, a feasibility clinical trial using controlled doses of human hookworm to treat ulcerative colitis was performed. It demonstrated that controlled hookworm infections are well-tolerated, and a viable hookworm infection can be established in all participants from a single dose of hookworm and can remain viable for years.

This thesis was formally recognised by the Division of Health Sciences as being of exceptional quality.

## Conway Walt Niu, PhD

Intermittent Hypoxia in preterm and term infants up to 12 months corrected gestational age

## Sophia-Louise Noble, PhD

# Characterisation of eosinophil heterogeneity in models of murine and human helminth infection

This research examined the diversity of eosinophils, a type of innate immune cell involved in a range of roles, including parasitic infections and allergies. Of the many different kinds of immune cells, eosinophils are one of the more mysterious and understanding these elusive cells is an important step towards harnessing them to help fight disease.

Using intestinal hookworm infection to drive robust eosinophil responses, this research showed that eosinophils are a diverse cell type, identified distinct eosinophil subsets and identified the chemical signals that drive them. This research provides important insight into the complexity and heterogeneity of eosinophils and their role in immune regulation and responses.

## Parul Rani, PhD

#### Stimuli-responsive hydrogels for improved drug delivery

Stimuli-responsive hydrogels- systems in which solutions of polymers or peptides can be injected locally into the body, enabling a gelation to solution transition in response to external stimuli. This research utilised the bioorthogonal chemistry to tailor "click-todissolve" hydrogels, enabling controlled and sustained dissolution of the hydrogel, followed by the release of anticancer drug. Bioorthogonal reactions are selective chemical reactions that can occur inside the living organism without interfering with native biochemical reactions.

This research demonstrated synthesis and in vitro/in vivo characterization of hydrogels for clinical applications. These results provided insights on developing new concept for "click-to-target-and-release" using the novel dual triggered prodrugs with an external bioorthogonal stimulus containing peptide-based hydrogel for targeted drug delivery, to minimize cancer drugs side effects.

### Shekhar Sehgal, PhD

The role of wearable technology in the management of type 1 diabetes

## Klarissa Anne Sinnappah, PhD

#### Understanding bias in medication adherence research

This research addresses the challenge of identifying and mitigating biases in medication adherence studies, which focus on the process by which patients take their medications as prescribed. While adherence research spans multiple disciplines, its core aim is to quantify, qualify, and improve medication-taking behaviour. There has however been a lack of guidance for researchers to understand and manage bias risks in this area. To fill this gap, new tools have been developed to identify and assess biases that could affect adherence studies. These tools were evaluated by experts, and the findings emphasise the importance of purpose-designed risk of bias tools to ensure more accurate assessments of medication adherence and ultimately, provide an unbiased assessment of medicationtaking behaviour.

## Akhilesh Swaminathan, PhD

#### Methods of non-invasive disease assessment in inflammatory bowel disease

Inflammatory bowel disease (IBD) is an incurable illness with excessive gut inflammation that fluctuates over time. People with IBD can have a wide range of symptoms that can significantly impact their quality of life.

This research explored novel non-invasive markers of gut inflammation in IBD which can identify individuals with active disease who will benefit from escalations of treatment. This work also suggests that gut inflammation in IBD is not always linked with psychological and sexual health, which contribute to the impacts of this disease on a patient. Finally, the results from this work were used to inform the creation and validation of a non-invasive holistic index of disease severity to capture the wider burden of illness in IBD.

### Thesis topics of doctoral graduands in absentia

### Panji Fortuna Hadisoemarto, PhD

Tuberculosis case management and notification by private practitioners in Indonesia

This thesis was formally recognised by the Division of Health Sciences as being of exceptional quality.

### Hailemichael Zeru Hishe, PhD

Predicting allopurinol dose requirements

# The University of Otago

# History

The University of Otago, founded in 1869 by an ordinance of the Otago Provincial Council, is New Zealand's oldest university. The new University was given 100,000 acres of pastoral land as an endowment and authorised to grant degrees in Arts, Medicine, Law and Music.

The University opened in July 1871 with a staff of just three Professors, one to teach Classics and English Language and Literature, another having responsibility for Mathematics and Natural Philosophy, and the third to cover Mental and Moral Philosophy and Political Economy. The following year a Professor of Natural Science joined the staff. With a further endowment provided in 1872, the syllabus was widened and new lectureships established: lectures in Law started in 1873, and in 1875 courses began in Medicine. Lectures in Mining were given from 1872, and in 1878 a School of Mines was established.

The University was originally housed in a building (later the Stock Exchange) on the site of John Wickliffe House in Princes Street but it moved to its present site with the completion of the northern parts of the Clocktower and Geology buildings in 1878 and 1879.

The School of Dentistry was founded in 1907 and the School of Home Science (later Consumer and Applied Sciences) in 1911. Teaching in Accountancy and Commerce subjects began in 1912. Various new chairs and lectureships were established in the years between the two world wars, and in 1946 teaching began in the Faculty of Theology. The School of Physical Education was opened in 1947.

A federal University of New Zealand was established by statute in 1870 and became the examining and degree-granting body for all New Zealand university institutions until 1961.

The University of Otago had conferred just one Bachelor of Arts degree, on Mr Alexander Watt Williamson, when in 1874 it became an affiliated college of the University of New Zealand.

In 1961 the University of New Zealand was disestablished, and the power to confer degrees was restored to the University of Otago by the University of Otago Amendment Act 1961.

Since 1961, when its roll was about 3,000, the University has expanded considerably (in 2020 there were over 21,000 students enrolled) and has broadened its range of qualifications to include undergraduate programmes in Surveying, Pharmacy, Medical Laboratory Science, Teacher Education, Physiotherapy, Applied Science, Dental Technology, Radiation Therapy, Dental Hygiene and Dental Therapy (now combined in an Oral Health programme), Biomedical Sciences, Social Work, and Performing Arts, as well as specialised postgraduate programmes in a variety of disciplines.

Although the University's main campus is in Dunedin, it also has Health Sciences campuses in Christchurch (University of Otago, Christchurch) and Wellington (University of Otago, Wellington) (established in 1972 and 1977 respectively), an information and teaching centre in central Auckland (1996) and a dental facility in Manukau (2020), and a Schools' Liaison office in Wellington (2001). The Dunedin College of Education merged with the University on 1 January 2007, and this added a further campus in Invercargill, which also supports Health Sciences activities.

### Governance

The supreme governing body of the University is the Council, presided over by the Chancellor, When it was first established its members held office for life. Its constitution was progressively amended in 1891, 1911 and 1946 to provide for the representation of certain local bodies and educational groups, the graduates, the student body and nonprofessorial staff. The present structure of the Council was laid down in the Education Amendment Act 2015.

The Council is advised on academic matters by the Senate, the membership of which is drawn mainly from the Heads of academic departments, but with representatives of other teaching staff and students. The Vice-Chancellor, who was designated as Chief Executive of the University by the Education Amendment Act 1990, convenes the Senate, which, in turn, is advised by the Divisional Boards and other Committees and Boards on matters which fall within their particular terms of reference

In 1989 the internal governance of the University was reformed by grouping the existing departments, faculties, and schools into four academic Divisions (Commerce, Health Sciences, Humanities, and Sciences). Each academic Division is headed by a Pro-Vice-Chancellor, Further changes to the executive group resulted in the appointment of two Deputy Vice-Chancellors (Academic, and Research and Enterprise) in 1994, a Chief Operating Officer in 2005, and a third Deputy Vice-Chancellor (External Engagement) in 2015.

There are several non-teaching Divisions and Offices with responsibility for administrative, financial, and property and facilities matters, and for the provision of other services for staff, students and alumni





Est. 1911









Arana College Est. 1943

Carrington College Est. 1945

Est. 1952

Locals Est. 2011

These are gonfalons of the 15 residential colleges, Uni Flats and the Locals Programme of the University of Otago. These were made to celebrate the 150th anniversary of the University. The originals are held in each college and used for graduation processions and inter-college events.

Est. 1915



Est. 1969





Salmond College Est. 1971

Est. 1991 Fst. 1992



**Caroline Freeman** College

Est. 2000

(renamed 2018)









Est. 2014

### The Ceremony

The essential structure of graduation ceremonies at the University of Otago took its present form in the 1920s. Elements of Māori ceremonial were introduced in 1995.

Members of the Council and staff of the University, preceded by the President of the Otago University Students' Association carrying the University Mace, enter in formal procession and take their places on the stage. The Chancellor and a representative of the Tangata Whenua greet the graduands and other members and friends of the University, and the National Anthem is sung, in both Māori and English, as an affirmation of the role of the University in the life of the nation.

Candidates for degrees and diplomas are presented by the Public Orator (in the case of honorary degrees), the Vice-Chancellor, Pro-Vice-Chancellors, and Deans to the Chancellor who formally "caps" those who are receiving degrees and congratulates those who are to receive diplomas. Degree and diploma certificates are presented by the Registrar and Secretary to the Council.

A Graduation Address is delivered by a senior member of the University or a distinguished visitor, the Chancellor formally welcomes the new graduates to permanent membership of the University, and proceedings conclude with the medieval Latin academic anthem *Gaudeamus*.

### The Mace

The mace, a symbol of institutional authority, is carried at the head of the procession of staff and Council members as it enters and leaves the ceremony. It was presented to the University by the Otago Division of the British Medical Association as a mark of appreciation for the use of the Medical School buildings for the annual conference of the association's Dominion branch in 1948.

The mace is made of mahogany and hand-carved bronze, with gun-metal cap and heel. The head of the mace, topped with interlocking letters O and U, has a circle of clematis flowers above four shields – two enamelled shields (made in England) of the University's arms, one listing the faculties of the University in 1872 and 1948, and one commemorating the presentation – separated by New Zealand flax flowers, and is supported by stylised flax leaves.

Weighing almost nine kilograms and just over 1.2 m long, the mace was designed by Mr Eric Moller and made in Dunedin by Mr D.E. Davidson of Musselburgh.

### Academic Dress

The academic dress worn by most of the participants in the ceremony is descended from the daily dress of students and teachers of universities in the Middle Ages.

The black gowns worn by most Otago graduates are of the same design as those worn by Bachelor of Arts or Master of Arts graduates of the University of Cambridge. The hood worn around the shoulders is no longer a practical garment but indicates the wearer's degree: the colour of the lining of the hood shows the discipline of the degree; the hood for an ordinary Bachelor's degree is bordered with white fur, the hood for an Honours degree with white corded ribbon, and that for a Master's degree has either no border or a border of coloured ribbon.

Otago doctoral graduates wear gowns of maroon (Doctor of Philosophy and doctors in professional programmes) or scarlet (all other doctors), colours which were anciently reserved for peers, judges, and other high officials. Doctors' hoods are made wholly of coloured silk. Most graduates wear black trenchers ('mortarboards') but doctoral graduates wear velvet caps as worn by doctors of Scottish universities. Distinctive robes are also prescribed for senior officers of the University and members of the University Council.

There is no uniformity amongst universities in the style of academic gown or headgear or colours used, and the academic dress of American and European universities is markedly different from that of most Commonwealth universities, so there is rich variety in the regalia worn by members of the staff.

Hood Colours at the University of Otago for ordinary Bachelors' and Related Degrees:

#### Humanities

Arts – rose pink Music – white Performing Arts – dusk Social Work and Social and Community Work – sulphur Māori Traditional Arts – fawn Laws – powder blue Teaching – flame Education Studies – rustic brown Education – coral Theology – kingfisher blue Divinity – violet grey

#### Sciences

Physical Education – mistletoe Science – lido blue Applied Science – straw gold Mineral Technology – rust Surveying – reseda

#### Commerce

Commerce – tangerine Tourism – purple brown

#### **Health Sciences**

Dental Surgery – spectrum violet Dental Technology – parma violet Oral Health – amethyst Health Sciences – magenta Radiation Therapy – purple grape Biomedical Sciences – fuchsia Medical Laboratory Science – petunia Medicine and Surgery – lilac Medical Science – crocus mauve Pharmacy – spectrum green Physiotherapy – peacock green

#### Interdivisional

Arts and Science – jet black with lido blue and rose pink
Arts and Commerce – jet black with tangerine and rose pink
Commerce and Science – jet black with lido blue and tangerine

### Graduate Women Otago

In May 1921 the University of Otago's University Women's Association amalgamated with the International Federation of University Women which was formed following the First World War, with a mission to support education and equality for women, human rights, social justice and lifelong learning. In 1928 the Otago Branch began to make and hire regalia and its dedicated group of cutters, sewers and pressers thrived and continues to this day. By 1935 the Branch owned 19 hoods, 11 trenchers and one gown; today it owns 3,990 hoods, 1200 trenchers and 1395 gowns.

The Otago Branch of Graduate Women (formerly New Zealand Federation of Graduate Women) has made a major contribution to the gowning of graduates and staff over many decades. Revenue raised from hire goes towards the provision of scholarships, awards, study grants, conference travel, research and community-based projects.

### Town Hall and Organ

The Town Hall, which is noted for the quality of its acoustics, has been used for most Graduation ceremonies since 1930, although some Ceremonies have been held in the Town Hall Concert Chamber (now the Glenroy Auditorium), the University Union Hall, and the Regent Theatre.

The foundation stone of the Town Hall was laid on 3 March 1928 and the completed building, which cost about £86,000, was opened in February 1930. The entire Town Hall complex was extensively modernised and refurbished between 1985 and 1988, and further upgrading and refurbishment was carried out between 2011 and 2013 at a cost of \$44 million.

The organ, which has 3,500 pipes of which the largest is almost 12 metres long, was built in London in 1921-1922 by William Hill & Son and Norman and Beard. Despite its bulk it was at first transported around England for performances in provincial towns and cities. It was also played at the British Empire Exhibition held at Wembley in 1924-1925 after which it was installed in the opera house at Tunbridge Wells. The organ was bought for £16,000 by Mr and Mrs A.S. Paterson, enlarged before being sent to New Zealand, and installed in time for the official opening of the Town Hall. Between October 1993 and October 1995 it was completely overhauled and restored.

### A Permanent Member of the University

Graduation is a wonderful celebration. Its formalities mark the culmination of much hard work and the beginning of an exciting new phase of life.

Graduation also marks the beginning of a new status as a full and lifelong member of the University of Otago. A graduate is one of a community of over 100,000 who have their Otago achievements as a common bond.

The University welcomes today's graduates to this community. We very much value maintaining contact with alumni and hope that they too will appreciate an ongoing relationship.

The Development & Alumni Relations Office coordinates contact with graduates, to keep them updated on what's new at the University, and especially what's new for alumni. Graduates receive the *University of Otago Magazine* twice a year, and invitations to events which take place for Otago alumni in New Zealand and around the world. Our schedule is published in the *Magazine*, and posted on the Otago alumni web pages, which also includes web pages featuring highlights from graduations, and information on alumni networks in New Zealand and abroad.

We encourage all graduates to keep in touch with their university.

So that we can be sure that we send information relevant to their location, we ask graduates to keep their contact details updated by emailing the Development & Alumni Relations Office with their new addresses or by using the change of address form on our web pages.

Development & Alumni Relations Office University of Otago PO Box 56 Dunedin

Phone 64 3 479 4516 Email alumni@otago.ac.nz alumni.otago.ac.nz

Alumni n pl/( lúmni)/graduate or former pupil of school, college or university

## **Distance Learning**

While graduation may mean leaving Dunedin, continued learning is available from the University of Otago through Executive Education and Professional Development short courses as well as the many Distance Learning programmes. For more than 25 years, Otago has provided fully supported Distance Learning study of individual papers or entire programmes at a distance. For further information visit the University website: otago.ac.nz



### God Defend New Zealand

E Ihowa, Atua O Ngā lwi Mātou rā Āta whakarongona; Me aroha noa. Kia hua ko te pai; Kia tau tō atawhai; Manaakitia mai Aotearoa.

#### TRANSLATION

O Lord Jehovah, God of all, Listen to our humble plea As we meet in love. May your grace be upon us; May good things abound; Defend and protect New Zealand.

God of Nations, at Thy feet In the bonds of love we meet; Hear our voices, we entreat God defend our free land! Guard Pacific's triple star From the shafts of strife and war, Make her praises heard afar, God defend New Zealand!

### Gaudeamus

Gaudeamus igitur juvenes dum sumus Gaudeamus igitur juvenes dum sumus Post jucundam juventutem, post molestam senectutem Nos habebit humus, nos habebit humus

Vivat Academia, vivant professores! Vivat Academia, vivant professores! Vivat membrum quodlibet, vivant membra quaelibet, Semper sint in flore! Semper sint in flore!

#### TRANSLATION

Let us rejoice therefore, while we are young Let us rejoice therefore, while we are young After the pleasure of youth, after the burden of old age, The earth will have us, the earth will have us.

Long live the University, long live the professors. Long live the University, long live the professors. Long live each member, long live every member May they ever flourish, may they ever flourish.





SATURDAY 7 DECEMBER 2024