RESEARCH UNITS, CENTRES AND INSTITUTES

Annual Report Template

Please refer to the University of Auckland Policy on Research Units, Centres and Institutes for more information on reporting and accountability requirements (clause 2.5). A copy of this policy is available from the University Policy Register.

Section 1a - IDENTIFICATION INFORMATION:

<table>
<thead>
<tr>
<th>Title of Unit, Centre or Institute:</th>
<th>New Zealand National Eye Centre - NZ-NEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of Director:</td>
<td>Professor Charles McGhee</td>
</tr>
<tr>
<td>Name of Deputy Director:</td>
<td>Professor Paul Donaldson</td>
</tr>
</tbody>
</table>

Section 1b – ENDORSEMENT OF REPORT:

<table>
<thead>
<tr>
<th>Signatures:</th>
<th>Please sign in appropriate space below</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Professor Charles McGhee - Director</strong></td>
<td>(Required for all Units/Centres/Institutes)</td>
</tr>
<tr>
<td>(Required for Department/School Units)</td>
<td></td>
</tr>
<tr>
<td><strong>Professor Charles McGhee - Head of Department</strong></td>
<td></td>
</tr>
<tr>
<td>(Required only for Faculty/University Centres/Institutes)</td>
<td></td>
</tr>
<tr>
<td><strong>Dean</strong></td>
<td></td>
</tr>
</tbody>
</table>

Section 2 – ADVISORY BOARDS AND MEETING DATES:
<table>
<thead>
<tr>
<th>Names of Oversight Advisory Board members (for Faculty and University Centres that have Oversight Boards)</th>
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</thead>
<tbody>
<tr>
<td>Names of Expert Advisory Board members (for Faculty and University Centres that have Expert Advisory Boards)</td>
</tr>
<tr>
<td>Names of Management Committee Members (for University and Faculty Centres)</td>
</tr>
<tr>
<td>Professor Charles McGhee</td>
</tr>
<tr>
<td>Professor Paul Donaldson</td>
</tr>
<tr>
<td>Professor Steven Dakin</td>
</tr>
<tr>
<td>Sue Raynel – Manager NZ-NEC</td>
</tr>
<tr>
<td>Hutokshi Chinoy – Administrative Manager</td>
</tr>
<tr>
<td>Dates of advisory board and management committee meetings that took place during the year</td>
</tr>
<tr>
<td>Committee members have had several meetings during the year specifically in relation to collaborative research, HRC funding applications, and teaching / glaucoma credentialing. In addition there have been informal networking at monthly NZ-NEC seminars (N= 8)</td>
</tr>
</tbody>
</table>

**Section 3 – PARTICIPATING MEMBERS AND EMPLOYEES/STUDENTS:**

<table>
<thead>
<tr>
<th>Names and Departments of participating members</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Department of Ophthalmology, Faculty of Medical and Health Sciences;</td>
</tr>
<tr>
<td>• School of Optometry and Vision Science;</td>
</tr>
<tr>
<td>• Molecular Vision Laboratory.</td>
</tr>
<tr>
<td>Affiliated members:</td>
</tr>
<tr>
<td>New Zealand National Eye Bank;</td>
</tr>
<tr>
<td>Glaucoma New Zealand;</td>
</tr>
<tr>
<td>RANZCO Clinical and Experimental Ophthalmology;</td>
</tr>
<tr>
<td>Department of Anatomy with Radiology;</td>
</tr>
<tr>
<td>University of Auckland Bio-engineering Institute</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>List names, positions, and FTEs of all staff employed and postgraduate students involved in the Unit or Centre</th>
</tr>
</thead>
<tbody>
<tr>
<td>No staff are employed directly by NZ-NEC but provide assistance at discretion of the Departmental HoD’s.</td>
</tr>
<tr>
<td>See appendix for list of staff within NZ-NEC</td>
</tr>
</tbody>
</table>
Section 4 – INTRODUCTION:

| Provide here a brief introduction to the report (maximum of 300 words) | The recommendations from the 2016 review of NZ-NEC are utilised to guide on-going development within the centre. Members of NZ-NEC have published 124 peer reviewed papers and 1 book chapter (N=126) in 2019. In 2019 the members of the NZ-NEC, either individually or collaboratively, were successful in attaining research funding in excess NZ$6,800,000. $1,760,087 HRC grants, $1,632,000 Marsden/Royal Society grants, $1,067014 Industry funding mainly via UniServices, $1,493,755 from ADHB (mainly in fellowship grants. Funds are for 2019-2022). A collaborative HRC programme grant has been resubmitted in 2019 following positive feedback and getting to interview stage in 2018. 10 PhD’s, 4 MD’s and 2 BMedSci(Hons) completions PBRF success with 7 researchers receiving a top-ranking ‘A’ grade |

Section 5 – AIMS, GOALS AND FUTURE PLANS:

| a. General Aims: Briefly describe the general aims (plans and objectives/goals) of the unit or centre. Identify how they address the University and Faculty Strategic Plan. | Vision: to eliminate preventable blindness and reduce visual impairment

Mission: to become a foremost international vision research, clinical and teaching centre through excellence, innovation and collaboration

Goals: To develop and increase the profile of eye health, vision research and education – in New Zealand/Aotearoa and internationally by:

- Applied and basic laboratory research
- Clinical research and clinical services
- Application of research into practice
- Innovation
- Collaboration
- Teaching and Learning
- Community Outreach |
### Goals for Reporting Year:
Describe the specific goals for the reporting year.

1. Continue with expanding community programmes
2. Increase our research collaborations within UoA, nationally and internationally, including

### Plans for Upcoming Year:
Outline the plans for the next year. Identify any resource implications.

1. Continuing to build research capacity eye health equity.
2. Expand specialist skill base within NZ-NEC with four key appointments of:
   - Senior Lecturer in Ophthalmology with interests in inflammatory eye and epidemiology
   - Senior Lecturer in Ophthalmology with interests in imaging research & undergraduate teaching.
   - Associate Professor in SOVS with research interest in epidemiology and vision loss
3. Determining the barriers to accessing eye health care that are faced by people in New Zealand.
   - Māori research fellow in Ophthalmology assessing barriers to interests in eye care and eye health amongst Māori and Pasifika
4. Development of with Zhongshan Eye Centre, the largest eye institute in China

### Section 6 –MAJOR ACHIEVEMENTS AND OTHER NOTABLE ACTIVITIES:

Report against the specific goals listed in 5b above

1. Continue with expanding community programmes:
   - Expanded school screening
   - Collaborative glaucoma clinics with ADHB, SOVS and community optometrists
   - Development of an MoU with the Fred Hollows Foundation New Zealand
   - Securing philanthropic funding to allow SOVS to appoint Dr Jacqui Ramke as Associate Professor
   - Addition of collaborative Uveitis, Keratoconus and Corneal Collagen Cross Linking clinics between Dept of Ophthalmology and ADHB.
2. Increase our research collaborations within UoA, nationally and internationally

- Medical University of Wenzhou, China
- Dr Jie Zhang and Prof CNJ McGhee development of research/teaching collaborations with, and invitation to, Zhongshan Eye Centre, the largest eye institute in China
- Further collaborations with Johns Hopkins – Dr Stuti Misra and Prof Charles McGhee
- Dr Niederer represented New Zealand in the Australia/NZ Expert Panel on Management of JIA-associated Uveitis to develop a consensus statement on management of JIA-associated Uveitis (the most common cause of uveitis in children).
- Professor Colin Green Science Advisor – Greenlane Research and Education Fund.

Summary of major developments and achievements. Identify how these activities contribute to the research capability of the department or faculty (beyond what would be achieved through the activities of the individual members). Please provide greater detail for anything noteworthy that may give useful publicity to the University

Community activities are continuing to expand with the school screening programme now testing approx. 4,500 Auckland school children each year, and a number of new initiatives planned for 2020.

Professor Charles McGhee, Director of NZ-NEC was the recipient of several prestigious awards:

1. FRSNZ - Fellow of the Royal Society Te Apārangi, New Zealand
2. ONZM – Officer of New Zealand Order of Merit for contributions to ophthalmology
3. International Gold Medal Award of Chinese Ophthalmological Society - In recognition of outstanding contributions to world eye care, education & support of Chinese ophthalmology
4. Immediate Past-President, Asia Pacific Academy of Ophthalmology (APAO) representing 83,000 ophthalmologists (40% of world) and 25 national/regional ophthalmology societies
5. Re-elected President: AAPPO – Association of Asia Pacific Professors of Ophthalmology (N= >70 Professors in the region)

Dr Rachael Niederer: recipient of School of Medicine Distinguished Clinical Teacher Award 2019

SOVS secured financial support from the Buchanan Charitable Foundation to appoint Dr Jaqueline Ramke as an Associate Professor in Public Eye Health. Jacqui is an optometrist in eye health epidemiology (particularly in low-income countries).

She is currently funded by a Rutherford Commonwealth fellowship, at the London School of Hygiene & Tropical
Medicine and will join SOVS towards the middle of 2020. Jacqui will lead research initiatives in SOVS relating to eye health inequity (both internationally and within Aotearoa NZ) and will develop new teaching for the BOptom programme on community eye health matters.

SOVS has also established a new Buchanan Charitable Foundation Honours Project Prize, which will be awarded in 2020 to the best honours research project in the area of community eye health in recognition of Buchanan Charitable Foundation donation.

In Nov 2019 the FDA (Federal Drug Administration) in the US approved the MiSight contact lens as the first treatment approved by them for slowing myopia progression in children. The contact lens was designed and trialled within SOVS (designed by John Phillips, trialled by Nicola Anstice as her PhD). It was commercialised through UniServices.

Professor Paul Donaldson-Elected ICER Vice President Asia Pacific

Dr Julie Lim-Elected to Association for Research in Vison an Ophthalmology Lens Programme Committee

Dr Angus Grey - Conference Convenor for the 27th Australian and New Zealand Society for Mass Spectrometry, Auckland, NZ, Jan 30 – Feb 3 2019.

7 senior academics within NZ-NEC ranked ‘A’ in the latest PBRF round (4 ophthalmology, 2 SOVS, 1 MVL)

Appointment of Simone Freunelich (NgāPuhui and Tainui) as a research fellow to develop research on aspects of Maori/Pasifika eye health and barriers to attracting Maori/Pasifika into Ophthalmology and Vision Science careers.

10 PhD (2 MVL, 5 Ophthalmology, 3 optometry)

4 MD and 2 BMedSc completions

Several staff within NZ-NEC promoted in 2019

Senior lecturer above the bar: Ehsan Vaghefi, Julie Lim, Stuti Misra

Senior Research Fellow Jie Zhang

Student successes:
- Yadi Chen: finalist UoA 3 minute thesis competition
- Alyssa Lie: Received HOPE Selwyn Foundation Scholarship in Ageing Research. Also two travel awards National Foundation for Eye Research Young
Investigator Travel Award and the Sir John Logan Campbell Medical Trust Award

Several high profile international guest lecturers have presented at NZ-NEC seminars in 2018:
- Professor Michael Kalloniatis, Director Centre for Eye Health, University of New South Wales, Sydney, Australia
- Dr Natoli, Lectures in Genetics and Cell Biology, ANU Medical School, Canberra, Australia
- Dr Art Epstein, Director of Clinical Research, Phoenix Eye Centre, Arizona, USA

Members of NZ-NEC were invited to speak at several international meetings in 2019 including medal and keynote lectures:

Professor Colin Green
- RANZCO NZ
- Invited Speaker - Inflammasome Therapeutics Summit. Boston USA
- Invited Speaker – Australia and New Zealand Cornea Engineering Group

ARVO 2019, Vancouver Canada
- Professor Colin Green, Dr Julie Lim, Professor Paul Donaldson, A/P Ilva Rupenthal

Members of the Molecular Vision Laboratory organised the International Conference on the Lens, held in Kona, Hawaii, USA

Professor Charles McGhee
- Plenary Lecture, 1st International Conference in Clinical Research in Ophthalmology (ICCRO), Guangzhou, China
- Plenary Lecture 24th Congress of the Chinese Ophthalmological Society (CCOS), Suzhou
- Keynote, The Professor Janet Marsden Memorial Symposium
- European Society of Ophthalmology (SOE), Nice, France
- Plenary Session: APAO Bangkok, Thailand
- Scientific chair for: RANZCO NZ annual conference, ANZ Cornea Society

<p>| Comment on any co-operative commercial activities, research with other University or Government | Patented technology was licenced to OcuNexus in October 2019 by Buchannan Oculo-Therapeutics team (BOTU) |
| Contract research project with Dalmoral Pharmaceutical, Australia completed by BOTU |</p>
<table>
<thead>
<tr>
<th>laboratories or research groups</th>
<th>A/P Jennifer Craig</th>
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<tbody>
<tr>
<td></td>
<td>• Laboratoires Thea and TFOS Key Opinion Leader Continuing Education, Barcelona, Spain</td>
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<td></td>
<td>• Manuka Health, NZ</td>
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<td></td>
<td>• E-Swin, France</td>
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<td></td>
<td>• Aston University, Birmingham, UK</td>
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<td></td>
<td>• Universities of Montreal and Waterloo, Canada</td>
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<td></td>
<td>• University of Melbourne, Australia</td>
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**Professor Colin Green**
- Scientific support and trial design for two UniServices Return on Science projects – Pachymatrix and MSD diabetic Rat Strain.
- Science Advisor – Greenlane Research and Education Fund.
- Chief Scientist, OcuNexus Therapeutics Inc. (gave 35 presentations, attended JP Morgan Healthcare Meetings Jan 2019 San Francisco USA, attended meetings in Amsterdam and Boston, scientific and regulatory support for Nexagon® trials)

**Professor Paul Donaldson and Dr Julie Lim**
- Testing anti-cataract compound for Naucity Pharmaceuticals Inc.

<table>
<thead>
<tr>
<th>Comment on any courses given or workshops and seminars held</th>
<th>Internationally A/P Jennifer Craig delivered the following courses/workshops/seminars:</th>
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<tbody>
<tr>
<td></td>
<td>BCLA Conference, Manchester</td>
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<tr>
<td></td>
<td>• Incorporating TFOS DEWS II dry eye diagnosis into clinical practice</td>
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<td></td>
<td>• Demodex diagnosis</td>
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<tr>
<td></td>
<td>Wenshou Medical-university, Wenshou,</td>
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<td></td>
<td>University of New South Wales, Sydney,</td>
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<td></td>
<td>Australia</td>
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<td></td>
<td>SkiCPD Invited Continuing Education seminars, Chamonix, France</td>
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<td></td>
<td>Dry Eye and Contact Lens Wear Online Module, on behalf of the British Contact Lens Association, London, UK</td>
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<td>Shire Key Opinion Leader Continuing Education seminar, Montreal, Canada</td>
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</table>

**Dr Jie Zhang and Professor Charles McGhee**
- Guangzhou initiative and key lab. Invited visit/lectures to develop research and teaching collaboration with China’s largest eye institute – with aim of developing and MOU.

**Akiesh Gokul, Samantha Simkin, Sue Raynel**
- Ophthalmic Technology Course, Dept of Ophthalmology, FMHS, UoA
<table>
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<tr>
<th>Date of last review</th>
<th>August 2016</th>
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</table>

**Review Recommendations**

List the recommendations of the review and give an update of progress on addressing the recommendations.

<table>
<thead>
<tr>
<th>Recommendation</th>
<th>Details</th>
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<tbody>
<tr>
<td>1. Submission of an HRC programme grant</td>
<td>HRC programme grant by all members of NZ-NEC got to final interview stage in both the 2018 and 2019 funding round and the programme has been restructured and resubmitted in the 2020 round.</td>
</tr>
<tr>
<td>2. Role of Professor Steven Dakin needs to be strengthened and clarified</td>
<td>Professor Dakin maintains a key role in NZ-NEC and has collaborated widely on teaching and research developments that perhaps were not emphasised sufficiently in the previous report. A number of current key roles and collaborations include:</td>
</tr>
<tr>
<td>• Extensive discussion re: undergraduate and postgraduate optometry teaching, specifically glaucoma credentialing for UoA and community optometrists.</td>
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<tr>
<td>• Leading development of SOVS clinics in collaboration with Dept. of Ophthalmology e.g. 2019’s Dry Eye service at Grafton</td>
<td></td>
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<tr>
<td>• Development of new HRC programme grant application relating to eye health inequity in 2021</td>
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<tr>
<td>• Leading cross-disciplinary action on addressing under-representation of Maori in optometry.</td>
<td></td>
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<tr>
<td>• Leading proposal to shift NZ-NEC focus to emphasize need to tackle eye health inequity</td>
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<tr>
<td>• Representative of NZ-NEC/University of Auckland within lobbying organisations such as Eye Health Aotearoa</td>
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<tr>
<td>• Involvement in regional planning of ophthalmology services in Metropolitan Auckland in conjunction with the Dept. of Ophthalmology and ADHB.</td>
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<tr>
<td>3. Increase participation of School of Optometry and Vision Science (SOVS) and Molecular Vision Laboratory within the Centre, to develop more collaborative research opportunities for the future</td>
<td></td>
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</tbody>
</table>
HRC programme grant by all members of NZ-NEC got to final interview stage in 2019 funding round and resubmitted for 2020. Successful HRC project grant Prof Steven Dakin (SOVS) & Prof Helen Danesh-Meyer (Dept of Ophthalmology). Many collaborative grants received by members in NZ-NEC e.g. Dr Gus Grey, Prof Paul Donaldson, Zimei Wu and A/P Ilva Rupenthal (AMRF); Dr Jiwon Hong, Dr Anthony Phillips, Prof John Windsor, Prof Colin Green and A/P Ilva Rupenthal (National Pancreas Foundation)

Section 8 – FINANCIAL REPORT

<table>
<thead>
<tr>
<th>State whether the Unit or Centre has its own Activity Centre/s and list the Activity Centre/s being used</th>
<th>NZ-NEC does not have its own cost centre</th>
</tr>
</thead>
<tbody>
<tr>
<td>State sources of funding, for example, from research funds from outside bodies, from the Department or Faculty, or other</td>
<td>N/A</td>
</tr>
<tr>
<td>List any significant resource allocation decisions taken by the Oversight Board during this reporting year (if applicable)</td>
<td>N/A</td>
</tr>
<tr>
<td>Include a statement of financial performance (contact Faculty Accountant for assistance), or give a clear explanation of the reasons if there has been no financial activity</td>
<td>N/a</td>
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</tbody>
</table>
## Section 9 – RESEARCH OUTPUTS

<table>
<thead>
<tr>
<th>Include a list of publications and other research outputs</th>
<th>Book Chapters:</th>
</tr>
</thead>
</table>

**Peer review publications:**


|---|---|


30. Han JV, Patel DV, Squirrell D, McGhee CNJ. Topical NSAIDs are not the mainstay of prophylaxis and treatment for pseudophakic cystoid macular oedema: Response. *Clinical


41. Han JV, Patel DV, Wallace HB, Kim BZ, Sherwin T, McGhee CN. Auckland Cataract Study III: refining preoperative assessment with cataract risk stratification to reduce


<table>
<thead>
<tr>
<th></th>
<th>Reference</th>
</tr>
</thead>
</table>
71. Kho A, Niederer RL, Wilson G. Exploring the impact of public health campaigns for glaucoma and macular degeneration utilising Google Trends data in a New Zealand setting. NZMJ 2019 [Accepted pending revisions]


74. Mugisho OO, Rupenthal ID, Paquet-Durand F, Acosta ML, Green CR. Targeting connexin hemichannels to control the inflammasome: the correlation between connexin43 and NLRP3 expression in chronic eye disease. Expert Opinion on Therapeutic Targets, DOI: 0.1080/14728222.2019.1673368


80. Coutinho FP, Green CR, Rupenthal ID. Targeting drugs to diseased ocular cells, ONdrugDelivery, 2019; 94: 10-12.


82. MAT NOR MN, RUPENTHAL ID, GREEN CR, ACOSTA ML (in press) Connexin hemichannel block using orally delivered
tonabersat improves outcomes in animal models of retinal disease, Neurotherapeutics, 10.1007/s13311-019-00786-5


114. Shi J, Han JV, McGhee CNJ, Zhang J. Vision threatening uveitis -glaucoma-hyphaema syndrome: an uncommon but


Please forward your report to your Head of Department or Faculty Office for endorsement (Section 1B above). Note: Annual Reports to be submitted to Research Committee must reach the Research Office by 28 February.
### Department of Ophthalmology

#### Academic Staff
- Professor Charles McGhee (HOD)
- Professor Colin Green
- Professor Helen Danesh-Meyer
- Professor Trevor Sherwin
- Professor Dipika Patel
- Associate Professor Jennifer Craig
- Associate Professor Andrea Vincent
- Associate Professor Ilva Rupenthal
- Dr Susan Ormonde (Senior Lecturer)
- Dr Hussain Patel (Senior Lecturer)
- Dr Rasha AlTaie (Senior Lecturer)
- Dr Jay Meyer (Senior Lecturer)
- Dr Stuti Misra (Senior Lecturer)
- Dr Mohammed Ziaei (Senior Lecturer)
- Dr James McKelvie (Senior Lecturer, Waikato Clinical Campus)

#### Clinical Research Fellows
- Dr Alexandra Crawford (Cornea)
- Dr Tafadzwa Young (Surgical Retina)
- Dr David Brunner (Surgical Retina)
- Dr Sarah Hull (Paediatrics)
- Dr Sophie Hill (Medical Retina)
- Dr Alyaqdhana Al-Ghadri (Oculoplastics)
- Dr Jessica Troppop (Uveitis)
- Dr Rahul Dwivedi (Glaucoma)

#### Research Fellows
- Dr James Slater HRC clinical fellowship
- Dr Jina Han
- Dr Corina Chilibeck
- Dr Simone Fruendlich

#### Lecturer/Research Fellows
- Dr Jie Zhang
- Dr Carol Greene
- Dr Alex Muntz
- Dr Akilesh Gokul
- Dr Samantha Simkin
- Dr Sanjay Marasini
- De Ally Xue
- Dr Lola Rotimi

#### PhD Candidates
- Joyce Mathan
- Michael Wang
- Yosra Abgan
- Anannya Parvathi
- Dr Peter hadden

#### MD Candidates
- Dr Jina Han
- Dr Mohammed Ziaei
- Dr James Slater

#### Honours students
- Soobin Namkung (BMedSci)
- Jane Shi (BMedSci)

#### Research and Technical Staff
- Jane McGhee – senior research technician
- Judy Loh – research technician
- Salim Ismail – research technician
- Dr Lin Hou – research technician

#### Administration
- Hutokshi Chinoy – PA to HoD and Administrative Manager of NZ-NEC
- Maree McInerney – Departmental secretary
- Susanne Raynel – Research Programme Manager and NZ-NEC Manager

#### Visiting Lecturers/ Honorary Academics
- Clinical A/Professor Philip Polkinghorne
- Clinical A/Professor Hadden, Osmond Bruce
- Professor Grupcheva, Hristina Nikolova, Bulgaria
- Dr Chou, Chi
- Dr Ahmad, Nadeem
- Dr Pendergrast, David
- Dr Sharp, Dianne Margaret
- Dr Gray, Trevor Buchanan
- Dr Dai, Shuan H
- Dr Ring, Charles Peter
- Dr Ku, Yu-Fen Judy
- Dr Barnes, Rachel Mary
- Dr Bennett, Sonya Louise
- Dr McAllum, Penelope Jane
- Dr Sims, Joanne Lesley
- Dr Riley, Andrew Francis Cameron
- Dr Mora, Justin Stewart
- Dr Welch, Sarah Helen
- Dr Meyer, Derrell Graham
- Dr Malik, Tahira Yasmin
- Dr Hart, Richard Hamilton
- Dr Dean, Simon John
- Dr Donaldson, Mark Liston
- Dr Best, Stephen James
- Dr Hadden, Peter William
- Dr Kane, Sam
- Dr Murray, Neil
- Dr Watts, Andrew
- Dr Carroll, Stuart
- Dr Squirrell, David
**School of Optometry and Vision Science**

**Academic staff**
- Professor Steven Dakin (HoD)
- Associate Professor Robert Jacobs
- Associate Professor Sam Schwarzkopf
- Dr Geraint Phillips (Senior Lecturer/Clinic Director)
- Dr Andrew Collins (Academic Director)

**Senior Lecturer**
- Dr John Phillips
- Dr Misha Vorobyev
- Dr Ehsan Vaghefi
- Dr Clairton de Souza

**Lecturer**
- Dr Monica Acosta
- Dr Jason Turuwhenua
- Dr Jo Black
- Dr Phil Turnbull
- (Clinic) 0.2
- Dr Tina Gao

**Professional Teaching Fellows**
- Wanda Lam
- Bhavini Solanki
- Melinda Calderwood
- Lisa Silva
- Kathryn Sands
- Kerry Atkinson
- Michelle O’Hanlon
- Jason Dhana
- Marcy Tong
- Jaymie Rogers
- Robert Ng
- John McLennan
- Zaria Burden
- Bhavna Patel
- Ashley Gray
- Kristine Hammond

**Research Fellows and Postdoctoral Fellows**
- Dr Keith Pine
- Dr Lisa Hamm
- Dr Catherine Morgan
- Dr Lucy Goodman

**PhD Candidates**
- Tanya Poppe graduated 2019
- Safal Khanal graduated 2019
- Renita Martis graduated 2019
- Soheil Mohammadpour
- Xing Zheng Pan (Wilson)
- Rebecca Findlay
- Jayshree South

**Technicians**
- Adina Giurgiu – Lab Manager
- Emily Benefer – Optical Assistant

**Administration**
- Johanna Beattie – Group Services Manager
- Naomi Twigden – Group Services Team Leader
- Elviera Cowan – Group Services Administrator
- Virginia Parslow – Practicum Placement Co-ordinator
- Rowena Knight-Brown – Group Services Co-ordinator
- Debbie Waayer – Research Programme Manager

**Visiting Lecturers/ Honorary Academics**
- Associate Professor Benjamin Thompson
- Lecturer Isabelle Mareschal
- Lecturer Jacqueline Ramke
- Grant Watters
- Keith Pine
- Martin Loertscher
- Nicola Anstice
- Samuel Chiang

**Molecular Vision Laboratory**

**Director:**
- Prof. Paul Donaldson

**Senior lecturer**
- Dr Julie Lim
- Dr Ehsan Vaghefi

**Senior research fellow**
- Dr Angus Grey

**Post-doctoral research fellows**
- Dr Rosica Petrova
- Dr Haruna Suzuki-Kerr
- Dr George Guo
- Dr Renita Martis

**PhD students**
- Ms Yadi Chen