

**PERSONAL PROFILE**

**Name:** Nicole Carnt (formerly O'Hare/White)  
**Email:** nicole.carnt@sydney.edu.au  
**Skype Address:** ncarnt  
**Nationality:** Australian  
**Languages spoken:** English  
**Memberships:** International Society of Contact Lens Researchers (Invited member since 2010)  
 American Academy of Optometry (Fellow since 2010)  
 British Contact Lens Association (Fellow since 2010)  
 Association for Research in Vision and Ophthalmology (since 2000)  
 Cornea and Contact Lens Association of Australia (since 2000)

**EDUCATION**

**2008-2012**      **University of NSW, School of Optometry and Vision Science**  
 PhD (Research) Granted May, 2012

**2010**      **University of NSW, School of Optometry and Vision Science**  
 OPTM7123 Ocular Therapy 1 (Theory) Passed  
 OPTM7117 Ocular Therapy 2 (Practical) In progress

**2009**      **University of NSW, School of Public Health and Community Medicine**  
 PHCM9626 Inequalities and Health; Award: DN  
 PHCM9516 Introduction to Public Health; Award: DN  
 PHCM9615 Principles and Practice of Primary Care Health; Award: CR  
 PHCM9498 Epidemiology and Statistics; Award: CR

**2009**      **University of NSW, Faculty of Science**  
 Science Learning & Teaching Workshop Series

**2008**      **University of NSW, Department of Mathematics and Statistics**  
 Statistical Methods for Research Workers

**2008**      **University of Sydney, Rehabilitation Studies Unit**  
 Fundamentals of Rasch Measurement Workshop

**2008**      **University of Sydney, NHMRC Clinical Trial Centre**  
 Rational & Design of Clinical Trials

**1985-1988**      **University of NSW**  
 Bachelor of Optometry (Hons, Grade 2, Class1)

**1984**      **St George Girls Selective High School, Kogarah**  
 Higher School Certificate

## ACADEMIC PRIZES / AWARDS / GRANTS

2017	<b>University of Sydney Laffan Scholarship</b> Understanding the immune response to eye infections Investigator: Dr Nicole Carnt, \$60,000
2016	<b>University of Sydney ECR Travel Scholarship</b> Tear cytokine profiles in Acanthamoeba Keratitis, Association of Research in Vision and Ophthalmology Conference, Baltimore, May Investigator: Dr Nicole Carnt, \$2,500
2016	<b>Tear Film and Ocular Surface Society (TFOS) Travel Award</b> TFOS Conference, Montpelier, Sept Investigator: Dr Nicole Carnt, US\$3,500
2016	<b>Alcon Investigator Led Study</b> The Effect of 'No Water' Packaging Stickers on the Behavior of Contact Lens Wearers Investigators: Dr Nicole Carnt, Prof Fiona Stapleton, Dr Jackie Tan, US\$36,178
2015	<b>American Optometric Foundation, Allergan Research Award</b> An investigation of the host immune reaction in response to corneal infection Investigators: Dr Nicole Carnt, Clin Prof Stephanie Watson, US\$60,000
2015	<b>Sydney Medical School, University of Sydney</b> Kickstart award: An in vivo study of the host immune response to corneal infection Investigators: Dr Nicole Carnt, \$24,201
2015	<b>Cornea and Contact Lens Association of Australia</b> CCLSA Research Award: Investigating corneal limbal stem cell dysfunction in contact lens wearers Investigators: Dr Nicole Carnt, Clin Prof Stephanie Watson, \$3,500
2014/5	<b>Moorfields Eye Hospital Special Trustees</b> Healthy Contact Lens Wear Program, MEC 15 03 B/14 10 D/14 11 B Investigators: Dr Nicole Carnt, £4,250
2014	<b>Fight for Sight</b> Small grant award: A contemporary epidemiological case control study of Acanthamoeba Keratitis in the UK Investigators: Prof John Dart, Dr Nicole Carnt, Dr Darwin Minassian, £14,550
2014	<b>British Contact Lens Society</b> Dallos Research Award 2015 The relationship between environmental sources and the susceptibility and severity of Acanthamoeba keratitis in the United Kingdom Investigators: Dr Nicole Carnt and Dr Simon Kilvington, £8,000
2013	<b>NIHR Research Capability Funding Grant</b> Genetic Dystrophy and Acanthamoeba Keratitis research study personnel support Mr Stephen Tuft, Dr Nicole Carnt, £11,247
2013	<b>Fight for Sight</b> Small grant award: Genotyping the host immune profile in Acanthamoeba keratitis. Investigators: Prof John Dart and Dr Nicole Carnt, £13,954
2013	<b>J&amp;J Visioncare</b>

Investigator Led Grant: Tear cytokine levels in contact lens wearers with Acanthamoeba keratitis  
Investigators: Dr Nicole Carnt, Prof John Dart and Dr Virginia Calder, US\$19,695

- 2013 Moorfields Eye Hospital Special Trustees**  
Acanthamoeba Keratitis audit, MEC 13 07 A/B  
Investigators: Prof John Dart, Dr Nicole Carnt, £12,510
- 2012 Fight for Sight**  
Small grant award: Genetic risk factors for the susceptibility and severity of contact lens related Acanthamoeba keratitis  
Investigators: Prof John Dart and Dr Nicole Carnt, £9,849
- 2012 American Academy of Optometry Annual Meeting**  
Best Scientific Poster Presentation, N/A
- 2012 Australian Government**  
National Health and Medical Research Council (NHMRC) Early Career Researcher CJ Martin Biomedical Research Fellowship, \$422,988
- 2011 American Optometric Foundation, Vistakon Research Grant**  
Association of IL-17 single nucleotide polymorphisms with the susceptibility and severity of keratitis in contact lens wearers, Dr Nicole Carnt, Prof Mark Willcox, Prof Fiona Stapleton, US\$25,000
- 2011 Optometric Vision Research Foundation (OVRF)**  
(OVRF) Maki Shiobara Scholarship, \$5,000
- 2010/11 Cornea and Contact Lens Association of Australia**  
CCLSA Research Award 2010 & 2011, \$7,000
- 2010/11 American Optometric Foundation**  
Ezell Fellow 2010 & 2011, US\$19,000
- 2009 British Contact Lens Society**  
Dallos Research Award 2010,  
Risk taking behaviour: relationship with contact lens complications and compliance.  
Ms Nicole Carnt, Prof Fiona Stapleton, £5,000
- 2008 Australian Government**  
Australian Postgraduate Award (APA)
- 1988 The University of NSW**  
The Bausch & Lomb Soflens Prize for the Best Performance in the Contact Lens Section of 31.841 Clinical Optometry, N/A
- 1986 The University of New South Wales**  
Optical Products Ltd Prize for the Best Performance in 31.851 Optics, N/A

## TRAINING COURSES

- 2016 Infectious Disease 'Omics: Short course, London School of Hygiene and Tropical Medicine
- 2015 University of Sydney Foundations of Research Supervision
- 2015 ARCS Applied GCP Training for Investigational Sites and Sponsor Representatives
- 2014 High throughput sequencing in studies: Short course Bloomsbury Centre for Genetic Epidemiology and Statistics, London School of Hygiene and Tropical Medicine
- 2014 Grant Writing Workshop: Institute of Ophthalmology
- 2013 Optical Imaging Workshop: British Contact Lens Clinical Conference
- 2012 Gonioscopy and Therapeutics for Optometrists: Moorfields Eye Hospital

2012	Introduction to genetic epidemiology in the GWAS era: Short course Bloomsbury Centre for Genetic Epidemiology and Statistics, London School of Hygiene and Tropical Medicine
2011	St John Ambulance, Senior First Aid
2008	Designing a Valid Questionnaire, Australian College of Health Service Executives
2007	Presentation Skills Training, Organisation and Staff Development Services, UNSW
2007	Leadership Development Program, KRA, Kathy Rozmeta & Associates
2007	St John Ambulance, Senior First Aid
2007	Quality in Research, Caledonian Clinical Training
2007	Monitoring of Clinical Trials, Caledonian Clinical Training
2006	Australian Clinical Trial Regulation Training Workshop, Caledonian Clinical Training
2001	Excel 97 Advanced, Forrest Training Pty Ltd
2000	Excelling as a First Time Manager, Skill Path Seminars
1999	Improving Your Statistical Know-How, Royal Hospital for Women

## REFEREES

Prof Fiona Stapleton	Head of School of Optometry and Vision Science University of NSW L3, Rupert Myers Bldg, North Wing Gate 14, Barker St, 2052 Email: <a href="mailto:f.stapleton@unsw.edu.au">f.stapleton@unsw.edu.au</a>
Prof Alison Hardcastle	Professor of Genetics UCL Institute of Ophthalmology Dept of ORBIT 11-43 Bath St, London EC1V 9EL Email : <a href="mailto:a.hardcastle@ucl.ac.uk">a.hardcastle@ucl.ac.uk</a>

## EMPLOYMENT HISTORY

<b>Feb. 2015 – present</b>	<b>NHMRC CJ Martin Early Career Research Fellow University of Sydney/ Honorary Research Associate UCL and Moorfields Eye Hospital NHS Foundation Trust, Visiting Academic University of NSW</b>
<i>Duties include:</i>	<ul style="list-style-type: none"> <li>• Project planning, grant and ethics preparation and submission</li> <li>• Large scale participant recruitment, study coordination and monitoring</li> <li>• Patient/public involvement in research program</li> <li>• Multidiscipline research collaboration</li> <li>• Database management and mining</li> <li>• Laboratory skills including antibody multiplex bead analysis, RNASeq and cell culture</li> <li>• Animal ethics, handling and research</li> <li>• Statistical analysis and manuscript preparation</li> </ul>
<b>May. 2012 – Jan 2015</b>	<b>Post Doctoral Research Optometrist Moorfields Eye Hospital NHS Foundation Trust/ Honorary Research Associate UCL, University of Sydney and University of NSW</b>
<i>Duties include:</i>	<ul style="list-style-type: none"> <li>• Project planning, grant and ethics preparation and submission</li> <li>• Large scale participant recruitment and study monitoring</li> <li>• Multidiscipline research collaboration</li> <li>• Database management and mining</li> <li>• Statistical analysis and manuscript preparation</li> <li>• Mentoring of three data officers, all of which have been promoted a grade within 6mths of appointment</li> <li>• Introduction of web based technologies to Moorfields R&amp;D including RedCap database electronic data capture and Opinio survey software</li> <li>• Introduction and facilitation of novel SMS recruitment technology</li> <li>• Established specialist corneal dystrophy research clinic</li> </ul>

- Organisation and facilitation of clinical research tissue transfer system between Moorfields and UCL Institute of Ophthalmology (Dept of ORBIT and Dept of Genetics)
- Facilitation of PCR diagnostic analysis for External Disease Dept
- Specialist *in vivo* confocal imaging and analysis
- Genetic laboratory techniques including DNA extraction and PCR
- Set up and management of NIHR Moorfields/ UCL Biomedical Research Centre Cornea Acanthamoeba patient support and awareness program (see patient involvement section)
- Invited member of ongoing MHRA Informal Group on Contact Lens Related Infections
- Invited participant of James Lind Alliance/Fight for Sight Sight Loss and Vision Priority Setting Partnership Setting priorities for corneal and external eye diseases research workshop
- Member of the Moorfields nurse counselling network; regular monthly meeting attendee, referral liaison for external disease and advisor to the pilot Buddy program
- Liaison support for external disease patients and PALS

**Aug. 2011 – Present**    **Contact lens practice, research and industry consultant**  
**Various**

- Duties include:*
- Quarterly articles for *mivision* optometric publication (ongoing since Oct 2011)
  - CET approved articles for Optometry Today, Optician and Specsavers Profile optical magazines
  - Optometric education lectures eg J&J CET Roadshow; Bristol, Leeds, Manchester, London, Oct 2012, Assotica Italy, Nov 2013

**Nov. 2011 – Apr. 2012**    **Contact Lens Consultant**  
**Alcon/CibaVision Australia**

- Duties include:*
- In practice multifocal and toric contact lens fitting workshops
  - Contact lens assistant contact lens insertion/removal and awareness education
  - Recent graduate contact lens skills seminars (NSW, Qld, Vic)

**Mar. 2008 – Apr. 2012**    **Project Officer**  
**School of Optometry and Vision Science, University of New South Wales**

- Duties include:*
- Scientific writing, literature review, manuscript, grant preparation
  - Mentoring undergraduate and post graduate students e.g. Faculty Vacation Research Scholarship awardees and Masters of Optometry students
  - Design and implementation of ocular therapy undergraduate and postgraduate courses

**Mar. 2009 – Nov 2009**    **Scientific Writer/Mentor**  
**Institute for Eye Research**

- Duties include:*
- Manuscript preparation
  - Mentoring optometrists in scientific writing skills including providing regular feedback
  - Conducting writing training workshops
  - Maintaining a regular email thread of writing tips and resources

**Sept. 2003 – Mar. 2008**    **Senior Research Optometrist, Principal Investigator**  
**Institute for Eye Research/Vision CRC**

- Duties include:*
- Clinical trials management; including contract liaison, protocol development, ethics submissions, patient examinations, preparations of reports
  - Reporting of findings in publications and presentations to scientific conferences and industry meetings
  - Review and development of clinical methods and services
  - Liaising with and providing reports to industry collaborators on projects

- Ensure Good Clinical Practice standards are adhered to
- On call on a rotating basis (with pager) in order to attend to patient adverse responses

**Jan. 2001 – Sept 2003 Education Optometrist / Project Coordinator  
Cornea and Contact Lens Research Unit (CCLRU)/ International Centre for  
Eyecare Education (ICEE)**

- Duties included:*
- Coordinating all activities, timelines and work priorities relating to the project
  - Compiling project information as required, including industry education presentations
  - Responsible for the development and tracking the production of the required curriculums and follow-up protocols
  - Responsible for delivery of project materials
  - Participating in the delivery of education programs
  - Ensuring effective communication within the project team
  - Liaising with professional consultants, such as psychologists
  - Liaising with support departments including multimedia and IT
  - Contributing to developing strategies to enhance the education programs including new forms of delivery, multimedia opportunities and participant evaluation

**Feb. 2000 – Jan. 2001 Clinical Research Manager  
Cornea and Contact Lens Research Unit (CCLRU)**

- Duties included:*
- Clinical trials management; including patient management contract liaison, protocol development, ethics submissions, patient examinations, preparations of reports
  - Reporting of findings in publications and presentations to scientific conferences and industry meetings
  - Review and development of clinical methods and services
  - Liaising with and providing reports to industry collaborators on projects
  - Ensure Good Clinical Practice standards are adhered to
  - Management of clinical assistants
  - On call on a rotating basis (with pager) in order to attend to patient adverse responses
  - Attending off-site optometric clinics

**Mar. 1999 – Feb. 2000 Research Optometrist  
Cornea and Contact Lens Research Unit (CCLRU)**

- Duties included:*
- Examining patients, patient management, ethics submissions, preparations of reports
  - Reporting of findings in publications and presentations to scientific conferences and industry meetings
  - On call on a rotating basis (with pager) in order to attend to patient adverse responses
  - Attending off-site optometric clinics

**1994 - 1999 Full Scope (Non therapeutic) Private Practice Optometrist (UK)**

**1989 - 1994 Full Scope (Non therapeutic) Private Practice Optometrist (Australia)**

## PUBLICATIONS

### Published Refereed Papers

1. Evans CJ, Davidson AE, **Carnt N**, Rojas Lopez KE, Veli N, Thaug CM, Tuft SJ, Hardcastle AJ: Genotype-Phenotype Correlation for TGFBI Corneal Dystrophies Identifies p.(G623D) as a Novel Cause of Epithelial Basement Membrane Dystrophy. *Invest Ophthalmol Vis Sci* 2016, **57**(13):5407-5414.

2. Chidambaram JD, Prajna NV, Larke NL, Palepu S, Lanjewar S, Shah M, Elakkiya S, Lalitha P, **Carnt N**, Vesaluoma MH *et al*: Prospective Study of the Diagnostic Accuracy of the In Vivo Laser Scanning Confocal Microscope for Severe Microbial Keratitis. *Ophthalmology* 2016, 123(11):2285-2293.
3. **Carnt N**, Stapleton F: Strategies for the prevention of contact lens-related Acanthamoeba keratitis: a review. *Ophthalmic Physiol Opt.* 2016, 36(2):77-92.
4. **Carnt N**, Robaei D, Minassian D, Watson SL, Dart JKG. The impact of topical corticosteroids used in conjunction with anti-amoebic therapy on the outcome of Acanthamoeba Keratitis. *Ophthalmology.* 2016 123(5):984-990
5. Lim CH, **Carnt NA**, Farook M, Lam J, Tan DT, Mehta JS, Stapleton F: Risk factors for contact lens-related microbial keratitis in Singapore. *Eye (Lond).* 2016 30(3):447-455
6. Robaei D, **Carnt N**, Watson S. Established and emerging ancillary techniques in the management of microbial keratitis – a review. *Br J Ophthalmol.* 2016 100(9):1163-1170
7. Kaye S, Sueke H, Romano V, Chen JY, **Carnt N**, Tuft S, Neal T: Impression membrane for the diagnosis of microbial keratitis. *Br J Ophthalmol* 2016, 100(5):607-610.
8. Liskova P, Evans CJ, Davidson AE, Zaliava M, Dudakova L, Trkova M, Stranecky V, **Carnt N**, Plagnol V, Vincent AL *et al*: Heterozygous deletions at the ZEB1 locus verify haploinsufficiency as the mechanism of disease for posterior polymorphous corneal dystrophy type 3. *Eur J Hum Genet* 2016, 24(7):985-991.
9. Robaei D, **Carnt N**, Minassian DC, Dart JK: Therapeutic and optical keratoplasty in the management of Acanthamoeba keratitis: risk factors, outcomes, and summary of the literature. *Ophthalmology* 2015, 122(1):17-24.
10. Davidson AE; Cheong SS; Hysi PG; Venturini C; Plagnol V; Ruddle JB; Ali H; **Carnt N**; Gardner JC; Hassan H; Gade E; Kearns L; Jelsig AM; Restori M; Webb TR; Laws D; Cosgrove M; Hertz JM; Russell-Eggitt I; Pilz DT; Hammond CJ; Tuft SJ; Hardcastle AJ. (2014) Association of CHRDL1 mutations and variants with X-linked megalocornea, Neuhauser syndrome and central corneal thickness. *PLoS ONE* 9 (8):e104163
11. Iovieno, A, Gore, D, **Carnt, N**, Dart, K. (2014) Acanthamoeba sclero-keratitis: clinical features and treatment outcomes. *Ophthalmology* 121 (12):2340-7
12. Robaei D, **Carnt N**, Minassian D, Dart JKG. (2014) The impact of topical corticosteroid use before diagnosis on the outcome of Acanthamoeba keratitis. *Ophthalmology* 121 (7): 1383-8
13. Shovlin JP, Argueso P, **Carnt N**, Chalmers RL, Efron N, Fleiszig SM, Nichols JJ, Polse KA, Stapleton F, Wiley L, Willcox M, Bright FV, Jones LW, Keir N, Peterson RC, Stapleton F. (2013) Ocular surface health with contact lens wear. *Contact Lens & Anterior Eye*, 36 Suppl 1:S14-21
14. **Carnt N**, Stapleton, F. (2013) Silicone hydrogel lens- solution interaction and inflammation. *Eye & CL*, 39(1):37-41
15. **Carnt N**, Willcox M, Hau S, Keay L, Dart J, Chakrabarti S, Stapleton F. (2012) Immune defense single nucleotide polymorphisms and recruitment strategies associated with contact lens keratitis. *Ophthalmology*, 119(10): 1997-2002
16. **Carnt N**, Willcox M, Hau S, Garthwaite L, Evans V, Radford C, Dart J, Chakrabarti S, Stapleton F. (2012) Association of single nucleotide polymorphisms of Interleukins 1 $\beta$ , 6 and 12B with contact lens keratitis susceptibility and severity. *Ophthalmology* 119(7):1320-7
17. Stapleton F, **Carnt, N**. (2012) Contact lens related microbial keratitis: How have epidemiology and genetics helped us with pathogenesis and prophylaxis. *Eye* 26(2):185-93

18. **Carnt N**, Keay L, Willcox M, Evans V, Stapleton F. (2011) Pilot study of contact lens practitioner risk-taking propensity. *Optom Vis Sci* 88(8):E981-7
19. **Carnt N**, Keay L, Willcox M, Evans V, Stapleton F. (2011). Higher risk-taking propensity of contact lens wearers is associated with less compliance. *Contact Lens & Anterior Eye*; 35 (5); 202-6
20. Markoulli M, Francis IC, Yong J, Jalbert I, **Carnt N**, Cole N, Papas E. (2011) A histopathological study of bulbar conjunctival flaps occurring in two contact lens wearers *Cornea*, 30(9):1037-1041
21. Zhao Z, Naduvilath T, Flanagan JL, **Carnt NA**, Wei X, Diec J, Evans V, Willcox MDP. (2010) Contact lens deposits, adverse responses, and clinical ocular surface parameters. *Optom Vis Sci*. 87(9):669-74
22. Willcox MDP, **Carnt N**, Diec J, Naduvilath T, Evans V, Stapleton F, Iskandar S, Harmis N, Lazon de la Jara P, Holden BA. (2010). Contact lens case contamination during daily wear of silicone hydrogels. *Optom Vis Sci* 87: 456-464
23. Wu, Y, **Carnt N**, Stapleton, F (2010). Contact lens user profile, attitudes and level of compliance to lens care. *Contact Lens & Anterior Eye*; 33: 183-188
24. Wu Y, **Carnt N**, Willcox M, Stapleton F. Contact lens and lens storage case cleaning instructions: whose advice should we follow?" *Eye Contact Lens*: 36: 68-72
25. **Carnt NA**, Evans VE, Naduvilath TJ, Willcox MDP, Papas EB, Frick KD, Holden, BA.(2009) Contact lens-related adverse events and the silicone hydrogel lenses and daily wear care system used. *Arch Ophthalmol*. Dec 127(12): 1616-1623
26. Diec J. **Carnt N**. Tilia D. Evans V. Rao V. Ozkan J. Holden BA.( 2009) Prompt diagnosis and treatment of microbial keratitis in a daily wear lens. *Optom Vis Sci*.. 86(7):E904-7, Jul.
27. Zhao Z, **Carnt NA**, Aliwarga Y, Wei X, Naduvilath T, Garrett Q, Korth J, Willcox MD.(2009) Care regimen and lens material influence on silicone hydrogel contact lens deposition. *Optom Vis Sci*. Mar 86(3):251-259
28. Papas EB, Dahms, A, **Carnt N**, Tahhan, N, Ehrmann, K (2009) Power Profiles and Short Term Visual Performance of Soft Contact Lenses. *Optom Vis Sci*, Apr;86(4):318-23
29. Zhao Z, Wei X, Aliwarga Y, **Carnt NA**, Garrett Q, Willcox MDP (2008). Proteomic analysis of protein deposits on worn daily wear silicone hydrogel contact lenses. *Molecular Vision*. 2008;14:2016-2024
30. Papas EB, **Carnt N**, Willcox MD, Holden BA. (2007) Complications associated with care product use during silicone daily wear of hydrogel contact lens. *Eye Contact Lens*; 33: 392-3; discussion 9-400.
31. Tan J, Papas E, **Carnt N**, Jalbert I, Skotnitsky C, Shiobara M, Lum E, Holden B. (2007) Performance standards for toric soft contact lenses. *Optom Vis Sci*, 84(5):422-8
32. **Carnt N**, Jalbert I, Stretton S, Naduvilath T, Papas E (2007). Solution Toxicity in soft contact lens daily wear is associated with corneal inflammation *Optom Vis Sci*, 84, 4, 309-315
33. Holden BA, Sweeney DF, Sankaridurg PR, **Carnt N**, Edwards K, Stretton S, Stapleton F (2003). Microbial keratitis and vision loss with contact lenses, *Eye Contact Lens*. 29(1 Suppl):S131-4; discussion S143-4, S192-4.
34. **O'Hare N**, Stapleton F, Naduvilath T, Jalbert I, Sweeney DF, Holden BA (2002). Interaction between the contact lens and the ocular surface in superior epithelial arcuate lesions. *Adv Exp Med Biol*, 506:973-980.
35. Sweeney DF, Keay L, **Carnt N**, Holden BA (2002). Practitioner guidelines for continuous wear high Dk silicone hydrogel lenses. *Clin Exp Optom*, 85:161-167.



36. Skotnitsky C, Jalbert I, **O'Hare N**, Sweeney DF, Holden BA (2002). Case reports for three atypical keratitis events with high Dk soft contact lens wear. *Cornea*, 21:318-324.
37. Holden BA, Stephenson A, Stretton S, Sankaridurg P, **O'Hare N**, Jalbert I, Sweeney DF (2001). Superior epithelial arcuate lesions with soft contact lens wear. *Optom Vis Sci*, 78:9-12.

### Book Chapters

1. **Carnt N**, Wu Y, Stapleton F. Contact Lenses. In: Dartt D, Besharse J, Dana R, eds. Encyclopedia of the Eye. Vol 1. 1 ed. Oxford: Elsevier; 2010:377-383.
2. Sweeney DF, **Carnt N**, du Toit R, Skotnitsky C, Stern J, Keay L, Jalbert I. Holden BA, Silicone hydrogel lenses for continuous wear. In: Clinical Contact Lens Practice. Ch 36 pp 693-717, Bennett ES, Weissman BA ed., Lippincott Williams & Wilkins, Philadelphia, USA 2004
3. **Carnt N**, Keay L, Stapleton F The Relationship Between Risk Taking and Contact Lens Use and Recommendations by Contact Lens Practitioners in Australia. In: The Psychology of Risk Taking pp139-150 Nova Science Publishers [www.novapublishers.com](http://www.novapublishers.com)

### Letters to the Editor

1. **Carnt N**, Willcox MD, Keay L, Flanagan J, Stapleton F. (2010) Pathogenesis of contact lens-associated microbial keratitis. *Optom Vis Sci*.87:612-3; author reply 3-4.

### Published Abstracts

1. **Carnt N**, Robaei D, Minassian D, Dart JKG. (2014) Presentations and outcomes of Acanthamoeba Keratitis seen at Moorfields Eye Hospital 1991-2012 *Contact Lens and Anterior Eye*. 38 (pp e9)
2. **Carnt N**, Connor S, Parayoganathan V, Dart J.(2014) The quality of life of contact lens wearers experiencing Acanthamoeba Keratitis *Contact Lens and Anterior Eye*. 38 (pp e9)
3. **Carnt N**, Robaei D, Minassian D, Dart JKG. (2014) Topical steroid use before diagnosis exacerbates Acanthamoeba Keratitis *Invest. Ophthalmol. Vis. Sci*. 55(13):5466
4. Lim C, **Carnt N**, Farook M, Lam J, Mehta J, Tan D, Stapleton F. (2013) Microbial Keratitis Risk Factors in Contact Lens Wearers in Singapore *Invest. Ophthalmol. Vis. Sci*. 54(15):509
5. Robaei **D**, **Carnt N**, Dart JK.(2013) Acanthamoeba in the UK-a case series of 196 patients, *Clin Exp Ophthalmol*, 41 (pp 28-29)
6. **Carnt N**, Willcox M, Dart J, Cipriani, V, Hardcastle, A, Stapleton F.(2012) Association of single nucleotide polymorphisms of Interleukin 17 with susceptibility and severity of contact lens keratitis *Optom, Vis Sci*, E Abstract 125258
7. **Carnt N**, Willcox M, Cipriani, V, Hau S, , Keay L, Evans V, Dart J, Chakrabarti S Stapleton F.(2012) Association of a promoter polymorphism of IL-10 with the severity of contact lens keratitis *International Society of Eye Research*, E Abstract P112
8. **Carnt N**, Willcox M, Hau S, Garthwaite L, Evans V, Keay L, Radford C, Dart J, Stapleton F.(2012) Immune defense single nucleotide polymorphisms associated with contact lens keratitis, *Contact Lens and Anterior Eye*. 35 (pp e34)
9. **Carnt N**, Willcox M, Hau S, Garthwaite L , Evans V, L, Radford C, Dart J, Chakrabarti S, Stapleton F.(2012) Association of single nucleotide polymorphisms of Interleukins 1 $\beta$ , 6 and 12B with contact lens keratitis susceptibility and severity; *Invest Ophthalmol Vis Sci*, 53(14):4692
10. **Carnt N**, Willcox M, Hau S, Garthwaite L, Evans V, Keay L, Radford C, Dart J, Stapleton F.(2011) Association of single nucleotide polymorphisms of Interleukin 1  $\beta$ , and 6 and susceptibility and severity of keratitis amongst contact lens wearers *Optom Vis Sci*, E Abstract 115459

11. **Carnt N**, Willcox M, Hau S, Dart J, Radford C, Evans V, Stapleton F. (2011) Enhancing recruitment in studies involving collection of genetic material from contact lens wearers. *Invest Ophthalmol Vis Sci*, 52(14):1476
12. **Carnt, N**, Wu, Y, Keay, L, Stapleton, F (2010). Pilot study of contact lens wearer risk -taking propensity and practitioner perception of compliance Dallos Award Lecture, *Contact Lens Anterior Eye*, 33(6); 268
13. Stapleton F, Naduvilath T, Wu Y, **Carnt N**, Keay L, Edwards K, Ho A (2009) The Risk of Vision Loss in Contact Lens Wear and Following LASIK. *Contact Lens Anterior Eye*, 33(6); 268
14. **Carnt N**, Keay L, Willcox M, Evans V, Stapleton, F (2010). Association of optometrist risk taking propensity with contact lens prescribing behaviour, *Optom Vis Sci* E Abstract 100240
15. Diec J, **Carnt N**, Evans V, Lazon de le Jara P, Naduvilath T, Thomas V, Holden B. (2010): Predisposing factors for solution induced corneal staining (SICS). *Optom Vis Sci* E Abstract 100810
16. **Carnt N**, Keay L, Willcox M, Evans V, Stapleton, F (2010) The effect of risk -taking propensity of contact lens wearers and practitioners on contact lens practice in Australia. *Clin. Exp. Optom* 94(1); e10
17. Willcox M, Diec J, **Carnt N**, Evans V, Naduvilath T, Iskandar S1, Zhu H, Holden BA. (2010) Contact Lens Case Contamination During Daily Wear of a Silicone Hydrogel Lens *Invest Ophthalmol Vis Sci*, 51(13):1511
18. Stapleton F, Keay L, Edwards K, Naduvilath T, Dart J, Radford C, **Carnt N**, Holden B (2010) Risk Factors for Microbial Keratitis in Daily Disposable Contact Lens Wear *Invest Ophthalmol Vis Sci*, 51(13):1305
19. Diec J, Evans V, **Carnt N**, Naduvilath T, Thomas V (2009) Corneal Inflammatory Event Rates in Two Silicone Hydrogel Contact Lenses. *Contact Lens and Anterior Eye*, 32; 234
20. **Carnt, N**, Wu, Y, Keay, L, Stapleton, F (2009). Risk Taking Propensity in Contact Lens Wearers. *Contact Lens and Anterior Eye*, 32; 228
21. Stapleton F, Naduvilath T, Wu Y, **Carnt N**, Keay L, Edwards K, Ho A (2009) The Risk of Vision Loss in Contact Lens Wear and Following LASIK. *Invest Ophthalmol Vis Sci* 50(13):1247
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**Non published Conference Presentations: 20**

**Continuing Education Lectures/Workshops: 37**

**Continuing Education Published Articles: 29**

**Continuing Education Website Articles/Editorials: 8**

**Patient and Public Involvement in Research**

1. Moorfields Eye Hospital NHS Foundation Trust Social Media Campaign: Healthy Contact lens wear ([www.moorfields.nhs.uk/landing-page/healthy-habits-healthy-eyes](http://www.moorfields.nhs.uk/landing-page/healthy-habits-healthy-eyes); #naughtycornea)
2. NIHR Moorfields/ UCL Biomedical Research Centre Cornea Acanthamoeba patient support and awareness program (2014-) Acanthamoeba Keratitis patient-led Patient Information Leaflet; Patient and clinician focus group (April); BCLA Exhibition Stall: Improving compliance in CL wear; Research study: Do CL packaging "No water" warning stickers improve contact lens compliance
3. MHRA Informal Group on Contact Lens Related Infections\_invited member (2014)
4. NIHR Moorfields/ UCL Biomedical Research Centre Cornea Patient Day (2013) Acanthamoeba Keratitis patient and carer research update and focus group exercise, London, Oct
5. James Lind Alliance/Fight for Sight Sight Loss and Vision Priority Setting Partnership (2013) Setting priorities for corneal and external eye diseases research workshop, Invited participant London, April