

CURRICULUM VITAE

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NATIONALITY British

MEMBERSHIPS General Medical Council (No. 7073570)
Royal College of Ophthalmologists
American Academy of Ophthalmology
Association for Research in Vision and Ophthalmology

QUALIFICATIONS

DM: University of Oxford	2021
FRCOphth	2020
MA (Oxon)	2014
BM BCh: University of Oxford	2010
BA (Hons) Medical Sciences: University of Oxford	2007

POSTGRADUATE EDUCATION

Moorfields Eye Hospital NHS Foundation Trust Aug 2021 – Aug 2022
Glaucoma Fellow

Cambridge University Hospitals NHS Foundation Trust Aug 2021 – Dec 2022
Honorary Clinical Research Fellow

Centre for Brain Repair, University of Cambridge Aug 2018 – Dec 2022
Research Associate

Health Education East of England Deanery - Ophthalmology Specialty Registrar

Year 5-7: Aug 2018 – Aug 2021

Out of programme for research: Postgraduate student in Feb 2016 – Aug 2018
Professor Keith Martin's laboratory at the Centre for Brain Repair,
University of Cambridge working towards the DM degree from
University of Oxford

Years 1-4: Aug 2012 – Feb 2016

Oxford Deanery – Foundation Programme Jul 2010 – Aug 2012

OTHER ROLES

Thesis Examiner MSc
University College London Feb 2022 – Mar 2022

Thesis Examiner (external) MRes Clinical Research Oct 2021 – Dec 2021
University of Melbourne

Board Member Oct 2019 – Nov 2021
Association for Research in Vision and Ophthalmology

Members-in-Training Committee Sep 2019 – Nov 2021
Association for Research in Vision and Ophthalmology

Cambridge Eye Trust Trainee Representative Jun 2017 – Nov 2021

Assessor for MPhil in Translational Biomedical Research Jul 2020 – Aug 2021
University of Cambridge

Simulation Champion	Mar 2021 – Jul 2021
Cambridge University Hospitals NHS Foundation Trust Royal College of Ophthalmologists	
Chief Resident	Oct 2020 – Jun 2021
Healthcare Management and Leadership Programme Judge Business School & Cambridge University Hospitals NHS Foundation Trust	
Member of Scope of Practice Working Group	Jul 2020 – Oct 2020
Association for Research in Vision and Ophthalmology	
Peter Watson International Scholarship co-founder www.pwis.org.uk	May 2017 – Aug 2019
ARVO Science Communication Training Fellowship	Apr 2017 – Feb 2018
Association for Research in Vision and Ophthalmology	

AWARDS AND PRIZES

Royal Society of Medicine	2023
Ophthalmology Travelling Fellowship <i>Post-doctoral fellowship at Stanford University: regenerative therapies for glaucoma</i>	
ARVO Point of View Award	2022
<i>For significant research that may advance the ability to restore sight to those who are blind or have significant visual impairment</i>	
T.F.C Frost Scholarship	2022
The Worshipful Company of Spectacle Makers Master's Medal	2022
<i>Runner up</i>	
Oxford Ophthalmological Congress Founders Cup	2022
<i>Supervising senior author. Poster presented by HK Lim, Academic Foundation Doctor</i>	
American Academy of Ophthalmology Annual Meeting Best Original Paper	2019
<i>Glaucoma session</i>	
Isabelle Bouhon Award – University of Cambridge	2019
Association for Research in Vision and Ophthalmology	2018

MIT Outstanding Poster Prize	
<i>Glaucoma section</i>	
Guarantors of Brain Travel Award	2018
RCOphth Ethicon Award	2018
<i>To attend ARVO Advocacy Day at Capitol Hill, Washington DC</i>	
ARVO International Travel Grant	2017
E.G. Fearnside's Scholarship – University of Cambridge	2017
European Association for Vision and Eye Research	2016
<i>Glaucoma section prize winner</i>	
Guarantors of Brain Travel Award	2016
European Glaucoma Society Resident Course	2015
<i>1st prize for highest test score, part of winning team</i>	
James Paget University Hospital Patient Safety Award	2014
<i>1st prize</i>	
Royal College of Ophthalmologists Duke Elder Examination	2010
<i>Ranked 6th among 427 candidates nationally</i>	
Foulds Trophy	2008
<i>Best basic science oral presentation at RCOphth Annual Congress for "The effect of indocyanine green and light on retinal neurones".</i>	
Gold Duke of Edinburgh's Award	2005
Public Speaking: Gold Medal with Distinction	2004
<i>London Academy of Music and Dramatic Art (LAMDA)</i>	
Winnie Memorial Prize for a Distinguished Scholar	2004
International Space School Educational Trust and NASA	2001
<i>National winner for joint project on "Terraforming Mars" two weeks at Kennedy and Johnson Space Centers</i>	

ALL FIRST AUTHOR PRESENTATIONS: *Regional, National and International*

ORAL

East Anglian Glaucoma Micro-Surgical Symposium, invited speaker	2022
Cornea to Cortex Regeneration Series, Cardiff University, invited speaker	2022
American Academy of Ophthalmology Annual Meeting	2019

<i>Haemoglobin Video Imaging provides novel in vivo high-resolution imaging and quantification of human aqueous outflow in glaucoma patients</i>	
Regional Postgraduate Teaching Research Day	2019
<i>Out of Programme Research – getting started!</i>	
Obergugl Optic Nerve Meeting	
<i>Axon transport and regeneration following glaucomatous injury</i>	2018
Oxford Ophthalmological Congress	2018
<i>AAV2 BDNF TrkB gene therapy restores optic nerve axonal transport and retinal ganglion cell function in experimental glaucoma.</i>	
European Association for Vision and Eye Research	2016
<i>Quantification of green fluorescent protein expression in mouse retinal ganglion cells following intravitreal injection of recombinant adeno-associated virus</i>	
Regional Postgraduate Teaching:	2015
Trinity Hall, Cambridge	
<i>Paediatric Neuromyelitis Optica: “Water, water, everywhere”</i>	
Cambridge University Ophthalmological Society	2014
<i>Applying to Ophthalmology Higher Specialist Training: tips and advice</i>	
Regional Postgraduate Teaching:	
Madingley Hall, Cambridge	2013
<i>Optic disc drusen</i>	
Madingley Hall, Cambridge	2012
<i>Light induced maculopathy</i>	
Addenbrooke’s	2012
<i>Pathogenesis of Giant Cell Arteritis</i>	
Oxford School of Emergency Medicine Annual Conference	2011
<i>Cervical spine imaging in trauma patients</i>	
ESCRS Annual Congress - free paper	2011
<i>Visual outcomes and patient satisfaction in presbyopes undergoing monovision correction</i>	
RCOphth Annual Congress – rapid fire	2008
<i>The effect of indocyanine green and light on retinal neurones</i>	
POSTER	
International Congress for Glaucoma Surgery	2020

18-month outcomes of the Optimised Xen Implantation (OXI technique) in glaucoma patients

ARVO Annual Meeting	2019
<i>Non-invasive in vivo imaging and quantification of human aqueous outflow</i>	
World Glaucoma Congress	2019
<i>Optic nerve regeneration following glaucomatous injury in aged mice</i>	
Oxford Ophthalmological Congress	2018
<i>AAV2 BDNF TrkB gene therapy restores optic nerve axonal transport and retinal ganglion cell function in experimental glaucoma</i>	
ARVO Annual Meeting	2018
<i>Tau dysfunction in glaucoma: modulation of optic nerve axonal transport via gene therapy</i>	
University of Cambridge Clinical Neurosciences Away Day	2017
<i>Tau dysfunction in glaucoma: modulation of optic nerve axonal transport via gene therapy</i>	
ARVO Annual Meeting	2017
<i>In vivo imaging of human aqueous outflow and calculation of aqueous column diameter</i>	
European Association for Vision and Eye Research	2016
<i>Quantification of green fluorescent protein expression in mouse retinal ganglion cells following intravitreal injection of recombinant adeno-associated virus</i>	
Annual Meeting European Society of Ophthalmic Plastic and Reconst. Surgery	2016
<i>Periocular skin cancers: Audit of non-melanoma skin cancers with frozen section management</i>	
AAO Annual Meeting	2012
<i>Patients' Verdict: Laser Monovision Correction or Multifocal IOL Implantation (A Long-term Follow-up)</i>	
RCOphth Annual Congress	2012
<i>Visual outcomes and patient satisfaction in presbyopes undergoing monovision correction</i>	
ESCRS Annual Congress	2011
<i>Visual outcomes and patient satisfaction in presbyopes undergoing monovision correction</i>	

Royal Society of Medicine: Undergraduate Ophthalmology Conference	2011
<i>Visual outcomes and patient satisfaction in presbyopes undergoing monovision correction</i>	
RCOphth Annual Congress	2008
<i>The effect of indocyanine green and light on retinal neurones</i>	

PUBLICATIONS

Khatib TZ, Whitehead M, Osborne A, Evans R, Ching J, Ali Z, Eva R, Martin KR Phosphatase and tensin homolog (PTEN) knockdown promotes anterograde axonal transport and stimulates optic nerve regeneration in experimental glaucoma *Under Revision*

Bourne RRA, **Khatib T** The optic nerve head in glaucoma *Comm Eye Health J* 2021 Oct;34 (112):4-7

Nicolaou S, **Khatib TZ**, Lin Z, Sheth T, Ogbonna G, Hamidovic L, Zaheer A, Dimitriou C A retrospective review of XEN implant surgery in glaucoma patients; efficacy, safety and the effect of combined cataract surgery *Int Ophthalmol*. 2021 Oct 19.

Khatib TZ, Osborne A, Yang SJ, Ali Z, Jia J, Manyakin I, Hall K, Watt R, Widdowson P, Martin KR Receptor-ligand supplementation through a self-cleaving 2A peptide-based gene therapy promotes CNS axon transport with functional recovery *Science Advances*. 2021 Mar 31;7(14):eabd2590.

Mushtaq Y, Panchasara B, Nassehzadehtabriz N, Lim H, Mushtaq M, Kean J, Farrell S, Bourne RRA Shahid H, **Khatib TZ***, Martin KR* Evaluating multidisciplinary glaucoma care: visual field progression and loss of sight year analysis in the community versus hospital setting. *Eye (Lond)*. 2021 Mar 21. * joint senior author

Hamza M, **Khatib TZ**, Nicolaou S, Fajardos A, Mukherjee A Clinical Results Of An Extended Ab Interno Trabeculotomy Using KDB And Indirect Gonioscopy In Open Angle And Angle Closure Glaucoma *Journal of MAR Ophthalmology* 2021 Mar 2 (2)

Lusthaus, JA, **Khatib TZ**, Meyer PAR, McCluskey P, Martin KR. Aqueous outflow imaging techniques and what they tell us about intraocular pressure regulation. *Eye (Lond)*. 2021 Jan;35(1):216-235.

Lusthaus JA, Meyer PA, **Khatib TZ**, Martin KR The effects of trabecular bypass surgery on conventional aqueous outflow, visualized by Hemoglobin Video Imaging *Journal of Glaucoma* 2020 Aug 29 (8): 656-665

Nieuwenhuis B, Barber AC, Evans RS, Pearson CS, Fuchs J, MacQueen AR, van Erp S, Haenzi B, Hulshof LA, Osborne A, Conceicao R, **Khatib TZ**, Deshpande SS, Cave J, Ffrench-Constant C, Smith PD, Okkenhaug K, Eickholt BJ, Martin KR, Fawcett JW, Eva R PI 3-kinase delta enhances axonal PIP3 to support axon regeneration in the adult CNS *EMBO Mol Med* 2020 12:e11674

Khatib TZ, Martin KR Neuroprotection in glaucoma: towards clinical trials and precision medicine *Curr Eye Res* 2019 Sep 16:1-12

Khatib TZ, Meyer PA, Lusthaus J, Manyakin I, Mushtaq Y, Martin KR Hemoglobin Video Imaging provides novel in vivo high-resolution imaging and quantification of human aqueous outflow in glaucoma patients *Ophthalmol Glaucoma* 2019 Sep-Oct;2(5):327-335

Osborne A, **Khatib TZ**, Songra L, Barber AC, Hall K, Kong GYX, Widdowson PS, Martin KR Neuroprotection of retinal ganglion cells using a novel gene therapy construct through sustained brain-derived neurotrophic factor/tropomyosin-related kinase receptor B signalling *Cell Death Dis*. 2018 Oct; 9(10): 1007

Khatib TZ, Martin KR Protecting retinal ganglion cells *Eye (Lond)*. 2017 Feb;31(2):218-224.

Khatib T, Martin K Comment on ‘Stage-specific differentiation of iPSCs toward retinal ganglion cell lineage, Deng F, Chen M, Liu Y, Hu H, Xiong Y, Xu C, Liu Y, Li K, Zhuang

J, Ge J, *Molecular Vision* 2016; 22: 536-547' *International Glaucoma Review The Journal of the World Glaucoma Association* 2017;18 (1):44-45

Skalicky S, McAlinden C, **Khatib T**, Anthony LM, Sing SY, Martin KR, Goldberg I, McCluskey P Activity Limitation in Glaucoma: Objective Assessment by the Cambridge Visual Function Test *Invest Ophthalmol Vis Sci.* 2016 Nov 1;57(14):6158-6166

Khatib T, Hughes PW, Burton BJL Unilateral choroidal granulomas complicated by choroidal neovascular membrane treated successfully with intravitreal triamcinolone in a patient with sarcoidosis *BMJ Case Rep* 2014 Aug 28;2014

Khatib T, Singh AD, Dua HS Looking back at Orpheus *Br J Ophthalmol* 2012;96:489

Faraj LA, Hashmani K, **Khatib T**, Al-Aqaba M, Dua HS The changing face of corneal graft rejection *Br J Ophthalmol* 2012;96:8 1049-1050

Khatib T, Singh AD, Dua HS The Graeae sisters: one eye for three *Br J Ophthalmol* 2012;96:161

Khatib T, Singh AD, Dua HS One-eyed Odin: an eye for wisdom *Br J Ophthalmol* 2011;95: 1651

Said DG, Otri M, Miri A, Kailasanathan A, **Khatib T**, Dua HS The challenge of fungal keratitis *Br J Ophthalmol* 2011;95:1623-162

Khatib T, Dua A, Singh AD, Dua HS Oedipus: repenting eyes *Br J Ophthalmol* 2011;95:1371

Khatib T, Dua A, Singh AD, Dua HS Peacock-eyed: hundred eyes on a peacock's tail *Br J Ophthalmol* 2011;95:1105