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Dear Colleagues, MREH Alumni and Friends

It is my very great pleasure to welcome you to MREH 200, the Bicentenary Academic Conference of the Manchester Royal Eye Hospital. Our hospital is one of the oldest and most distinguished in the world, and we are proud to celebrate two hundred years of its existence.

The conference will celebrate the clinical and research work of our great institution, in the company of friends and alumni from worldwide. We have 125 invited speakers, including over 20 distinguished alumni, discussing every aspect of ophthalmological science. The conference involves all our professional groups including ophthalmologists, optometrists, orthoptists, vision scientists and ophthalmic nurses. Thus far delegates have registered from 15 countries.

We hope that this gathering will not only showcase the breadth and depth of ophthalmology now performed at MREH, but also permit many old friends to meet again and share their memories. The MREH 200 organising committee are delighted that you have joined us for what will surely be a memorable meeting, and on their behalf I thank you for attending and insist on only one thing: please have a great time!

Dr Cindy Tromans
Chair, MREH 200 Organising Committee

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**MREH 200 Organising Committee**

Professor Paul Bishop
Mr Steve Charles
Professor Chris Lloyd
Professor Janet Marsden
Professor Paulo Stanga
Dr Cindy Tromans
The founder of the institution now known as the Manchester Royal Eye Hospital was William James Wilson. Born in Leeds, after qualifying in medicine he was apprenticed to surgeons in Lancaster, Chester and London, where he developed an interest in ophthalmology. He moved to Manchester to set up practice.

At the time, the only provider of eye surgery was the Manchester Infirmary, and the surgeon best-known locally for his eye expertise had recently died. Wilson canvassed local opinion, and having gained support, arranged an inaugural meeting at which the supporters gathered to declare open the Manchester Institution for Curing Diseases of the Eye. The meeting was held on Trafalgar Day, October 21st 1814, the 9th anniversary of the famous battle. The inaugural announcement was published.

Premises were now needed, and one of the supporters of the Institution owned a house “near the top of King Street” which had some spare rooms. These were rented for the sum of £25 per annum, and the Manchester Eye Institution was open for business. Financial support was provided firstly by annual subscription from those who would become Governors and Trustees, and secondly from donations. The history of the Eye Institution’s first decades would be a story of constant striving for enough funds to support an organisation which became immediately popular amongst patients, the cooperative societies and workhouses who often funded them. In due course the second post of Honorary Surgeon to the hospital was appointed, and filled by Samuel Barton. He would go on to become one of the most long-serving members of the Honorary Medical Staff. Together these two doctors serviced the patients of the Eye Institution without fees, and later in 1815 the first annual report was composed. A brief summary of activity in the minute book read:

- Discharged cured: 702
- Relieved: 97
- Incurable: 18
- Remain on the books: 188
- Total: 1005

This, the first record of patients treated, was the beginning of an inexorable rise in numbers during the following decades, accompanied by constant efforts to generate enough revenue to support their care. At the end of 1815 a full annual report was published, showing that the newly-founded Eye Institution had already treated 1885 patients. The report incorporated a breakdown of the eye diseases treated, giving a fascinating insight both into the prevalence of various conditions at the time, and into the methods of diagnosis.

Patient numbers gradually increased, and ultimately became too difficult for two surgeons to deal with, and a third, John Windsor, was appointed in 1818. The premises too became inadequate, and firstly alterations were necessary, secondly larger premises were sought. In 1822 the Eye Institution moved to rooms within a new house at No. 35 Faulkner Street, but these also soon proved inadequate, and the Eye Institution moved to No.7 Princess Street, again simply a small house, used for hospital purposes. The next expansion, in 1835, would be to take in addition a front room at No.13 Princess Street, and in due course the whole hospital moved over to this address.

The rather peripatetic nature of the Manchester Eye Institution in its first twenty years was problematic, but very gradually the funding became more secure and in 1838 the Board considered for the first time that it was possible to purchase a house. This was at No.3 South Parade, one of a row of houses facing the Church of St. Mary. It was bought for £1,333, with an £800 mortgage. The suitability of this and adjacent premises as small hospitals was clearly not just noted by the Board of the Eye Institution – next door would be the Lying-in Hospital for Women, which would later take the name of the church opposite, and become St. Mary’s Hospital.

This momentous occasion of a house purchase (even though supported by a large
mortgage) was marked by a change in name. The organisation until then known as "The Manchester Institution for Curing Diseases of the Eye" would be renamed as the Manchester Eye Hospital. This new building clearly provided advantages, and yet the patient experience was still decidedly Victorian. Patients queued in the rain in the back yard, until funds were found to erect a shed, to make their sometimes long wait rather less uncomfortable. For those who needed to be inpatient, the cost of board was 3/6d per week, payable in advance! The salary of the resident House Steward (and his wife, the Stewardess) was £70 per annum, with board, and two servants were permitted, with pay of £8.10s per annum and board equivalent to 6s weekly.

In 1862, for the first time, a House Surgeon was appointed to the hospital staff, and although not resident, working full-time for the Hospital. In 1865 the Hospital moved away from South Parade, selling No. 3 and buying instead No. 24 St. John Street, a house that nevertheless required considerable extension, alteration and refitting. The number of inpatient beds was doubled from 25 to 50. It was felt appropriate to seek Royal status, and in due course the Home Secretary confirmed Her Majesty's approval. Henceforth it would become The Manchester Royal Eye Hospital.

The Royal Eye Hospital is shown opposite in St. John Street, late in the nineteenth century. It is the tallest building on the right side of the street, near the far end. St. John's Church, still there in this photograph, was demolished in the early 20th century. The building occupied by the Royal Eye Hospital still stands, and has been used, as so many others in the street, for private medical practice.

The hospital at St. John Street (below) served well for nearly twenty years, but throughput increased inexorably and in 1879, four cottages behind No. 24 in Artillery Street were purchased for expansion to 65 beds. Predictably this proved inadequate, and the medical staff proposed the need for a further increase of inpatient space to 100 beds, which could only be achieved by a substantial new build, and owing to the space needed, outside the city centre.

After investigation, a site south of the city in Chorlton-cum-Medlock was decided upon, at that time a well-to-do residential area. A special appeal obtained funds for the purchase of land, and a design of the architects Pennington & Bridgen was chosen, and the hospital was opened for business in 1885. An extension was completed in 1910, creating the frontage so well known today.

The hospital is seen above shortly after its opening. Below, The House Staff, including House Secretary, nurses and House Surgeons, together looking after 100 inpatients, gathered for a photograph in 1895. The Great War closely followed, the Hospital coming under the strain firstly, of losing staff to war service, and secondly losing 50 beds to the care of the war wounded, whilst dealing in 1917...
women, a new Royal Manchester Children’s Hospital, and a substantial replacement of the Manchester Royal Infirmary. Its frontage is on The Boulevard, a new road running through the island site.

Manchester Royal Eye Hospital has, over two hundred years, developed and maintained a well-deserved reputation for excellence. The hospital and its consultants attract both secondary and tertiary referrals not only from the Northwest of England, but nationally and internationally. It is one of the busiest eye hospitals in the world. The hospital is well-equipped to provide a high level of service well into the 21st century. We are proud to celebrate the bicentenary of the hospital in 2014.
**Dates and Venue**
The Manchester Royal Eye Hospital Bicentenary Conference, Tuesday 24 June to Friday 27 June 2014.
The Days Hotel and Manchester Conference Centre  
Sackville Street  
Manchester  
M1 3BB  
Tel: +44 161 955 8000  
www.manchesterconferencecentre.co.uk

**Abstract Book**
All abstracts are available on the conference USB.

**Accreditation and Evaluation**
MREH 200 has been awarded a maximum of 23 CPD Credits by The Royal College of Ophthalmologists. Delegates requesting CPD credit are required to complete an online evaluation form. Full details of how to complete the evaluation form will be sent to all delegates by email a few weeks after the Conference.

**Badge**
Please wear your registration badge at all times. All participants are required to wear identification badges when attending sessions and when entering the exhibition. If you lose your badge, please go to the registration desk where a new badge will be issued. The administration cost for a new badge is £2.50.

**Banking and currency exchange**
British currency is Pound Sterling.

Branches of all the major UK banks may be found in the centre of Manchester. Generally, weekday opening hours for banks are 09:15 – 16:45 hrs, although this does vary.

For exchanging foreign currency and traveller cheques the banks usually provide the most competitive rate. However, it is also possible to change money, in airports, larger rail stations, travel agents, some larger hotels (if you are a resident) and in most Post Offices; there is usually a handling fee and commission.
**Car Parking**
The nearest car parks to the Manchester Conference Centre are Euro Car Parks and York Street Car Park.

**Certificates of Attendance**
Certificates of Attendance will be emailed to delegates post event, after completion of the Conference evaluation form.

**Cloakroom**
There will be cloakroom facilities available in the Lower Foyer during the registration opening hours.

**Chairpersons and Speakers**
Please ensure that you are available in your presentation room at least 15 minutes before the start of the session. It is recommended that all speakers visit the Speaker Preview Room in order to hand in presentations and confirm audio-visual requirements at least two hours prior to the start of the session.

**Conference language**
The official language of the Conference is English.

**Conference Secretariat**
The registration desk and conference secretariat is located in the lower foyer and will be open during the following hours:

- **Tuesday 24th June** 07:00 – 17:30
- **Wednesday 25th June** 08:00 – 18:00
- **Thursday 26th June** 08:00 – 17:00
- **Friday 27th June** 08:00 – 16:30

**Credit Cards**
Commonly accepted credit cards in hotels, restaurants and stores are American Express, Visa and Mastercard.

**Disclaimer**
All best endeavours will be made to present the programme as printed. However MREH 200 and its agents reserve the right to alter or cancel, without prior notice, any arrangements, timetables, plans or other items relating directly or indirectly to the conference, for any cause beyond its reasonable control. MREH 200 and its agents are not liable for any loss or inconvenience caused as a result of such cancellation. Delegates are advised to take out their own travel insurance and to extend their policy to cover personal possessions as the Conference does not cover individuals against cancellation of bookings or theft or damage to belongings.

**Electricity**
The voltage in the United Kingdom is 220-240V.

**Exhibition Opening Hours**
The exhibition will be located in The Pioneer Room and The Leader Suite.

- **Tuesday 24 June** 10.00 – 19.00
- **Wednesday 25 June** 08.00 – 18.00
- **Thursday 26 June** 08.00 – 18.00
- **Friday 27 June** 08:00 – 15:30

Full details of the Exhibition are included in the programme.

**Insurance Policy**
The organisers cannot be responsible for medical, travel or personal claims. Participants are strongly advised to take out an insurance policy covering three areas: health and accident, loss of luggage and cancellation (travel and registration).

**Internet Facilities**
There are free wireless facilities available at the Manchester Conference Centre.

**Lunches and Refreshment breaks**
Coffee, tea and lunch will be served to all registered delegates during the official breaks within the Exhibition Area.

**Mail/Messages/Medical Assistance/Lost & Found**
Please go to the Registration Desk.

**Mobile Phone**
As a courtesy to speakers and other participants, all mobile phones and pagers must be turned off before entering the scientific sessions.
Poster sessions will take place in the The Leader Suite. Poster viewing will take place during all of the official coffee and lunch breaks throughout the conference. There are designated poster prize judging sessions on Wednesday 25th June at 10:30-11:00 and 12:30-14:00. The prize presentation will take place on Wednesday 25th June at 17:15 in the Pioneer Room.

Security
Any security problems or concerns should be reported to a uniformed member of staff.

Speaker Preview Room
Tuesday 24th June   08:00 – 17:30
Wednesday 25th June 08:00 – 17:30
Thursday 26th June  08:00 – 17:30
Friday 27th June    08:00 – 16:00

Please Report to the Speakers’ Preview Room at least 2 hours before your scheduled presentation time.
Technicians will be available in The Pioneer Theatre and The Cotton Theatre in the Manchester Conference Centre.
The Speakers’ Preview Room will be clearly signposted

Smoking Policy
Smoking is prohibited in all areas of the Manchester Conference Centre.

Useful Websites
Manchester Conference Centre  www.manchesterconferencecentre.co.uk
Manchester City Marketing Bureau www.visitmanchester.com
Manchester Airport  www.manchesterairport.co.uk
Network Rail  www.networkrail.co.uk

VAT – Value Added Tax
Value Added Tax and similar taxes are charged on most goods and services in the United Kingdom. VAT in the United Kingdom is currently 20%.

VAT is included in all conference fees. As a participant in MREH 200 Conference you may have the possibility – under certain conditions – to recover the VAT paid on certain types of expenses incurred. This may apply to both non-European business travellers visiting Europe and to European business travellers to other EU countries. For further information please contact Customs and Excise on departure at the airport.
VAT must be paid on goods or services at the point of sale Business travellers within Europe, subject to certain conditions, may reclaim VAT for Conference registration fees, accompanying persons’ registration fees etc. This applies to both non-European business travellers visiting Europe and to European business travellers to other EU countries. For further information please contact Customs and Excise on departure at the Airport.

MREH 200 Conference Secretariat
Contendam Ltd
26-28 Hammersmith Grove
W6 7HA London
Tel: +44 (0)20 8748 8868
mreh200@contendam.com
M R E H 2 0 0

PROGRAMME AT A GLANCE
## Programme At A Glance

<table>
<thead>
<tr>
<th>Time</th>
<th>The Pioneer Theatre</th>
<th>The Cotton Theatre</th>
<th>Conference Room 1</th>
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<tbody>
<tr>
<td><strong>Tuesday 24 June</strong></td>
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<tr>
<td>09:00-10:30</td>
<td>UVEITIS – EMERGING AND RE-EMERGING DISEASES I</td>
<td>PEDIATRIC OPHTHALMOLOGY &amp; GENETICS I</td>
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<tr>
<td>10:30-11:00</td>
<td>Refreshment break in The Pioneer Room and Leader Suite</td>
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<tr>
<td>11:00-12:30</td>
<td>UVEITIS – EMERGING AND RE-EMERGING DISEASES II</td>
<td>PEDIATRIC OPHTHALMOLOGY &amp; GENETICS II</td>
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<td>12:30-14:00</td>
<td>Lunch/Poster Viewing</td>
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<td>14:00-15:30</td>
<td>NEURO-OPHTHALMOLOGY I</td>
<td>PEDIATRIC OPHTHALMOLOGY &amp; GENETICS III</td>
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<td>15:30-16:00</td>
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<td>16:00-17:00</td>
<td>NEURO-OPHTHALMOLOGY II</td>
<td>PEDIATRIC OPHTHALMOLOGY &amp; GENETICS IV</td>
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<td>17:00-18:00</td>
<td>CHIPS WITH EVERYTHING: INNOVATIONS IN TECHNOLOGY</td>
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<td><strong>Wednesday 25 June</strong></td>
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<td>09:00-10:30</td>
<td>OPHTALMIC IMAGING DAY I: ANTERIOR SEGMENT &amp; UCHASSOUND</td>
<td>OPHTHALMIC NURSING I</td>
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<td>10:30-11:00</td>
<td>Refreshment break in The Pioneer Room and Leader Suite</td>
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<tr>
<td>11:00-12:30</td>
<td>OPHTALMIC IMAGING DAY II: RETINA</td>
<td>OPHTHALMIC NURSING II</td>
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<td>12:30-14:00</td>
<td>Lunch/Poster Viewing</td>
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<td>14:00-15:30</td>
<td>OPHTALMIC IMAGING DAY III: RETINA</td>
<td>OPHTHALMIC NURSING III</td>
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<td>15:30-16:00</td>
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<td>16:00-17:15</td>
<td>OPHTALMIC IMAGING DAY IV: RETINA</td>
<td>OPHTHALMIC NURSING IV: Free Papers</td>
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<td>17:00-18:00</td>
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<td><strong>Thursday 26 June</strong></td>
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<td>09:00-10:30</td>
<td>MEDICAL RETINA I: DIABETES and RVO</td>
<td>OCUPLASTICS/ORBITAL I</td>
<td>OPTOMETRY AND VISION SCIENCE I: CORNEA AND CONTACT LENS</td>
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<td>10:30-11:00</td>
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<td>11:00-12:30</td>
<td>MEDICAL RETINA II: AMD</td>
<td>OCUPLASTICS/ORBITAL II</td>
<td>OPTOMETRY &amp; VISION SCIENCE II: LOW VISION</td>
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<td>14:00-15:30</td>
<td>SURGICAL RETINA I</td>
<td>CORNEA I</td>
<td>OPTOMETRY &amp; VISION SCIENCE III</td>
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<td>16:00-17:00</td>
<td>RETINA – Free Papers I</td>
<td>CORNEA II</td>
<td>OPTOMETRY &amp; VISION SCIENCE IV</td>
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<td>17:00-18:00</td>
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<td><strong>Friday 27 June</strong></td>
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<tr>
<td>09:00-10:30</td>
<td>GLAUCOMA I: VISUAL FIELD RESEARCH</td>
<td>RETINA: Free Papers II</td>
<td>TRANSLATIONAL EYE RESEARCH DAY I</td>
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<td>10:30-11:00</td>
<td>Refreshment break in The Pioneer Room and Leader Suite</td>
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<td>11:00-12:30</td>
<td>GLAUCOMA II: SAFE SURGERY FOR TRABECULECTOMY &amp; TUBE</td>
<td>RETINA: NEW HORIZONS, FAR HORIZONS</td>
<td>TRANSLATIONAL EYE RESEARCH DAY II – Free Papers</td>
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<td>12:30-13:30</td>
<td>Lunch/Poster Viewing</td>
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<td>13:30-15:00</td>
<td>GLAUCOMA III: SERVICE DEVELOPMENT</td>
<td>THE HISTORY OF OPHTHALMOLOGY AND MEDICINE IN MANCHESTER</td>
<td>TRANSLATIONAL EYE RESEARCH DAY III</td>
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<td>15:00-15:30</td>
<td>Refreshment break in The Pioneer Room and Leader Suite</td>
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<td>15:30-16:00</td>
<td>GLAUCOMA IV: ADVANCES IN GLAUCOMA</td>
<td>THE HISTORY OF OPHTHALMOLOGY AND MEDICINE IN MANCHESTER</td>
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Tuesday 24 June

The Pioneer Theatre

UVEITIS – EMERGING AND RE-EMERGING DISEASES I
Chair: Mr Nicholas Jones
09:00 – 10:30

09:00 Uveitis in Manchester, 1814-2014
Mr Nicholas Jones, MREH

09:20 Birdshot Retinopathy
Professor Phuc LeHoang, Paris

09:50 Free Paper S1.1 Staphylococcal Osteomyelitis With Endogenous Endophthalmitis
LR Steeples; NP Jones, MREH

10:00 Free Paper S1.2 Surgical Management Of Uveitic Glaucoma With 5-FU Trabeculectomy Or Glaucoma Drainage Implants In Adults: Single Centre Experience
R Chhabra; A Chawla; C Fenerty; et al. MREH

10:10 Free Paper S1.3 Late Intraocular Lens Subluxation In Patients With Uveitis: Management Options
LR Steeples; NP Jones, MREH

10:20 Free Paper S1.4 Lymphopenia As An Independent Predictor Of Sarcoidosis In Patients Presenting With Uveitis
NP Jones; L Tserkezou; N Patton. MREH

10:30-11:00 REFRESHMENT BREAK

UVEITIS – EMERGING AND RE-EMERGING DISEASES II
Chair: Mr Nicholas Jones
11:00 – 12:30

11:00 MEWDS and Associated Diseases
Mr Carlos Pavesio, Moorfields Eye Hospital

11:30 Intraocular Lymphoma
Professor Phuc LeHoang, Paris

12:00 Re-emerging Infections: Syphilis & Tuberculosis
Mr Nicholas Jones, MREH

12:30-14:00 LUNCH, POSTER VIEWING and EXHIBITION

NEURO-OPHTHALMOLOGY I
Chair: Mr Mandagere Vishwanath
14:00 – 15:30

14:00 When optic neuritis is not optic neuritis
Mr Steve Madill, Edinburgh

14:30 Neurosurgery for ophthalmologists
Mr Kanna Gnanalingham, Salford Royal Hospital

15:00 Free Paper S2.1 Temporal Artery Biopsy Service In A Tertiary Referral Teaching Hospital – 2 Years Audit
A Yagan; M Vishwanath. MREH

15:10 Free Paper S2.2 Disseminated T Cell Lymphoma Presenting With Autoimmune Retinopathy, Unilateral Chorio-retinal Infiltration And Positive Anti-retinal Antibodies. L Martinez-Alvarez; S Coupland; H Heimann1 et al
1 MREH; 2University of Liverpool; 3Royal Liverpool University Hospital

15:20 Free Paper S2.3 Subconjunctival Fomix Injection For Thyroid Orbitopathy
D Briscoe; S Hamad-Azzam; A Mukari. Emek Medical Center, Technion Faculty of Medicine

15:30-16:00 REFRESHMENT BREAK

NEURO-OPHTHALMOLOGY II
Chair: Mr Mandagere Vishwanath
16:00 – 17:00

16:00 Managing vascular brain abnormalities
Dr Roger Laitt, MRI

16:30 Migraine and the eye
Dr Adam Zermansky, MREH

17:00 Close

CHIPS WITH EVERYTHING: INNOVATIONS IN TECHNOLOGY
Chair: Mr Nicholas Jones
17:00 – 18:00

17:00 Cyber-ophthalmology: harnessing the power of computer technology in clinical practice
Professor Tariq Aslam, MREH

17:20 Artificial Vision
Professor Paulo Stanga, MREH

17:40 Building brains: biologically-inspired massively-parallel computing
Professor Steve Furber, University of Manchester

18:00 Close
### PAEDIATRIC OPHTHALMOLOGY & GENETICS I
**Chair: Professor Christopher Lloyd**
**09:15 – 10:30**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>09:15</td>
<td>Welcome &amp; introduction</td>
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<td>Professor Chris Lloyd, MREH</td>
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<tr>
<td>09:25</td>
<td>Children’s Eye Surgery at MREH in the 20th Century</td>
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<td>Mr Alan Ridgway, MREH Alumnus</td>
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<td>09:35</td>
<td>Paediatric Ophthalmology – Past, Present &amp; Future</td>
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<td>Professor David Taylor, University College London</td>
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<td>10:05</td>
<td>Infantile &amp; Paediatric Glaucoma – Clinical Challenges</td>
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<td>Miss Cecilia Fenerty &amp; Professor Chris Lloyd MREH</td>
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#### REFRESHMENT BREAK: 09:30-10:00

### PAEDIATRIC OPHTHALMOLOGY & GENETICS II
**Chair: Professor Christopher Lloyd**
**11:00 – 12:30**

<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>11:00</td>
<td>Advances in Assessment &amp; Management of Ocular Metabolic Diseases</td>
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<td>Miss Jane Ashworth, MREH</td>
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<tr>
<td>11:30</td>
<td>Retinopathy of Prematurity – Current Trends &amp; Advances</td>
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<td>Mr Sus Biswas, MREH</td>
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<tr>
<td>12:00</td>
<td>The Role of New Genetics in Paediatric Ophthalmology</td>
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<td>Professor Graeme Black, MREH/SMH</td>
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#### LUNCH, POSTER VIEWING and EXHIBITION: 12:30-14:00

### PAEDIATRIC OPHTHALMOLOGY & GENETICS III
**Chair: Mr Sus Biswas**
**14:00 – 15:30**

<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>14:00</td>
<td>Lessons from the Infant Aphakia Treatment Study</td>
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<td>Professor Scott Lambert, Emory Eye Center, Atlanta</td>
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<tr>
<td>14:30</td>
<td>The Role of the Paediatric Contact Lens Service</td>
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<td>Mrs Helen Wilson, MREH</td>
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<td>14:45</td>
<td>Amblyopia Management – Past, Present and Future</td>
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<td>Rachel Clarke &amp; Andrea Daintith, MREH</td>
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<tr>
<td>15:00</td>
<td>The Role of the Paediatric LVA Service</td>
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<td>Ms Julie Lennon, MREH</td>
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<tr>
<td>15:15</td>
<td>Electrodiagnosis in the Infant with Poor Visual Behaviour</td>
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<td>Dr Neil Parry, MREH</td>
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#### REFRESHMENT BREAK: 15:30-16:00

### PAEDIATRIC OPHTHALMOLOGY & GENETICS IV
**Chair: Mr Sus Biswas**
**16:00 – 17:00**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>16:00</td>
<td>Dysmorphology and the Paediatric Eye</td>
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<td>Professor Jill Clayton-Smith, Manchester</td>
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<td>16:30</td>
<td>Free Paper S3.1 Suspected Optic Disc Oedema In Children – How Helpful Is Ultrasound Optic Nerve Sheath Diameter Measurement?</td>
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<td></td>
<td>A C Houtman1; W J Japing2</td>
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<td>1Universitair Ziekenhuis Wijhe Universiteit Brussel; 2Universitair Medisch Centrum Groningen</td>
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<td>16:40</td>
<td>Free Paper S3.2 Delivering The Promise Of Genomics For Ophthalmology; Congenital Cataract As An Exemplar</td>
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<td></td>
<td>RL Gillespie1; SC Ramsden2; JL Ashworth3; et al</td>
</tr>
<tr>
<td></td>
<td>1Manchester Centre for Genomic Medicine, Institute of Human Development, University of Manchester; 2Manchester Centre for Genomic Medicine, Central Manchester Foundation Trust; 3Manchester Academic Health Science Centre, MREH</td>
</tr>
<tr>
<td>16:50</td>
<td>Free Paper S3.3 Brittle Cornea Syndrome: Characterisation Of A Novel Retinal Phenotype Relevant To Common Ocular Disease And Investigation Of Disease Mechanisms</td>
</tr>
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<td></td>
<td>LF Porter1; R Bonshek1; S Williamson; et al MREH and University of Manchester</td>
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</tbody>
</table>
OPHTHALMIC IMAGING DAY I: ANTERIOR SEGMENT & ULTRASOUND
Chair: Mr Leon Au
09:00 – 10:30

09:00 Introduction & Welcome from MREH 200
Professor Paulo Stanga, MREH

09:05 Introduction & Welcome from Ophthalmic Imaging Association
Richard Hildred, Honorary Secretary OIA/Richard Hancock

09:10 Photographing the anterior segment
Robert Moxham, MREH

09:20 Imaging the cornea
Mr Arun Brahma, MREH

09:30 OCT in cornea and glaucoma
Mr Leon Au, MREH

09:40 Ultrasound biomicroscopy scanning in children
Mr Vinod Sharma, MREH

09:50 Ultrasound biomicroscopy in adults
Mr Mandagere Vishwanath, MREH

10:00 Advances in ultrasound imaging
Dr Cindy Tromans, MREH

10:10 Free Paper S4.1 Specific Features Of Video Recording Under The Laser Endovitreal Backlight
V. Salakhutdinov; J. Doroshenko; G.E. Stolyarenko; et al
1 Posterior eye segment diagnostics and surgery center;
2 NIISI RAS

10:20 Free Paper S4.2 Retinal Pigment Epithelial Changes On Wide-Field Fundus Autofluorescence And Swept-Source Optical Coherence Tomography Imaging After RD Surgery
M Gil Martinez; S Pastor-Idoate; C Quijano; et al
MREH Manchester vision Regeneration (MVR) Lab, NIHR/Wellcome Trust Manchester

10:30-11:00 REFRESHMENT BREAK

OPHTHALMIC IMAGING DAY II: RETINA
Chair: Mr Sajjad Mahmood
11:00 – 12:30

11:00 Implementing technician led clinics
Mrs Jane Gray, MREH

11:10 Do we need wide-field retinal imaging?
MREH MVR Laboratory Fellow

11:20 Imaging of choroidal naevi
Mr Konstantinos Balaskas, MREH

11:30 The current role of fluorescein angiography in the age of OCT
Mr Sajjad Mahmood, MREH

11:40 Free Paper S5.1 Swept Source OCT And Wide field Fundus Autofluorescence As Prognostic And Diagnostic Tools In The Management Of Paediatric Macular Dystrophies
LR Steeples; S Pastor-Idoate; M Gil Martinez; et al
MREH, Manchester Vision Regeneration (MVR) Lab, NIHR/Wellcome Trust Manchester

11:50 Free Paper S5.2 Swept-Source Optical Coherence Tomography Assessment Of Choroidal Thickness In Different Macular Disorders
S Pastor-Idoate; M Gil Martinez; C Quijano; et al
MREH, Manchester Vision Regeneration (MVR) Lab, NIHR/Wellcome Trust Manchester

12:00 Free Paper S5.3 Wide Field Autofluorescence In Paediatric Diseases
S Syed; C Quijano; S Pastor-Idoate; M Gil-Martinez; S Biswas; P Stanga
MREH, Manchester Vision Regeneration (MVR) Lab, NIHR/Wellcome Trust Manchester

12:10 Free Paper S5.4 In-vivo Imaging And Assessment Using 1,050nm Swept-Source Deep Range Imaging Optical Coherence Tomography (DRI-OCT1 Atlantis)
KM Jasani; C. Quijano; S. Pastor-Idoate; et al MREH, Manchester Vision Regeneration (MVR) Lab, NIHR/Wellcome Trust Manchester

12:20 Free Paper S5.5 Value Of Wide-field Fundus Fluorescein Angiography In Paediatric Retinal Diseases
S Subramanjan; S Biswas; C Quijano; et al
MREH, Manchester Vision Regeneration (MVR) Lab, NIHR/Wellcome Trust Manchester

12:30-14:00 LUNCH, POSTER VIEWING and EXHIBITION

OPHTHALMIC IMAGING DAY III: RETINA
Chair: Professor Paulo Stanga
14:00 – 15:30

14:00 Evolution of Retinal Digital Imaging?
Dennis Orlock FOPS, Digital Angiography Reading Center

14:20 The enigma of retinal capillary closure
Professor David McLeod, MREH alumnus

14:40 Imaging in diabetic retinopathy screening
Mrs Yvonne D’Souza, MREH

14:50 Paediatric posterior pole imaging
Mr Sus Biswas, MREH

15:00 Swept-source OCT of cortical vitreous & retina
Professor Paulo Stanga, MREH

15:10 Widefield fluorescein angiography in retinal vasculitis
Mr Nicholas Jones, MREH

15:30-16:00 REFRESHMENT BREAK

OPHTHALMIC IMAGING DAY IV: RETINA
Chair: Professor Paulo Stanga
16:00 – 17:00

16:00 OCT findings in uveal disorders
Professor Magdy Moussa, Tanta University

16:20 New developments in fundus angiography
Professor Giovanni Staurenghi, University of Milan

16:40 Functional tests and retinal imaging
Professor Bart Leroy, University of Ghent

17:00 Close

Wednesday 25 June
The Cotton Theatre

**OPHTHALMIC NURSING I**
Chair: Mrs Debra Armstrong
09:00 – 10:30

09:00  A history of ophthalmic nursing at MREH
      Professor Dame Betty Kershaw, MREH Alumnus
09:45  The Ophthalmic Trainee; life at MREH
      Mrs Mary Shaw, University of Manchester
10:00  The Ophthalmic inpatient environment – the challenges
      Mrs Annmarie Lord, MREH
10:15  The Glaucoma challenge – a west country solution
      Mrs Jane Kingett, Royal Devon & Exeter Hospital

10:30-11:00 REFRESHMENT BREAK

**OPHTHALMIC NURSING II**
Chair: Mrs Debra Armstrong
11:00 – 12:30

11:00  Achieving adherence: the ‘ins and outs’ of helping patients to follow agreed health care
      prescriptions
      Professor Heather Waterman, University of Manchester
11:15  Falls in older people with a visual impairment
      Dr Penelope Stanford, University of Manchester
11:30  Functions of an Ophthalmic Emergency Department: Results of a survey
      Professor Janet Marsden, Manchester Metropolitan University
11:45  The ophthalmic service – a part of a whole
      Mrs Karen Partington, CEO Lancashire Teaching Hospitals
12:00  Ophthalmic nursing in the private sector
      Mrs Angela Leatherbarrow, Manchester Face & Eye Hospital
12:15  Organisational culture and its impact on organisational development
      Ms Jayne Bessant, St Anne’s Hospice, Manchester

12:30-14:00 LUNCH, POSTER VIEWING and EXHIBITION

**OPHTHALMIC NURSING III**
Chair: Professor Dame Betty Kershaw
14:00 – 15:30

14:00  Exenteration – the patient’s voice
      Mr John Cooper, MREH
14:15  Collaborative patient education in glaucoma
      Mrs Jane Mottershead, MREH
14:30  Patient information – getting it right for patients
      Mrs Liz Revington, MREH
14:45  Keratoconus; partnership in the patient journey
      Miss Debbie Morley, MREH
15:00  Partnerships with Pakistan
      Mr John Uddin, MREH
15:15  Vision 2020 partnerships – Moorfields’ partnership with Ghana
      Mrs Helen Gibbons, Moorfields Eye Hospital

15:30-16:00 REFRESHMENT BREAK

**OPHTHALMIC NURSING IV**
Chair: Professor Janet Marsden
16:00 – 17:00

16:00  The Macular service in Exeter, an ongoing project
      Mr Brian Kingett, Royal Devon & Exeter Hospital
16:15  Collaborative Practice – Fact or Fiction
      Sue Raynel, University of Auckland
16:30  Free Paper S6.1 Preoperative Fasting In Ophthalmic Patients Undergoing General Anaesthesia
      M Panchal
      Central Manchester FoundationTrust Hospitals
16:40  Free Paper S6.2 Adverse Effects Of Fluorescein Angiography
      R Mclauchlan, CMFT
16:50  Where do we go from here? The future of ophthalmic nursing
      Professor Janet Marsden, Manchester Metropolitan University
17:00  Close

Wednesday 25 June
**Wednesday 25 June**

**Conference Room 1**

**OPHTHALMIC EMERGENCIES I**
Chair: Lucy Clark and Mr Felipe Dhawahir-Scala  
14:00 – 15:30

14:00  Welcome and introduction  
Mr Felipe Dhawahir-Scala, MREH

14:05  Epidemiology of eye injuries  
Professor Caroline MacEwen, University of Dundee

14:35  Developing eye protection in sport  
Mr Nicholas Jones, MREH

15:05  Nurses in the ophthalmic A&E department  
Professor Janet Marsden, Manchester Metropolitan University

**15:30-16:00 REFRESHMENT BREAK**

**OPHTHALMIC EMERGENCIES II**
Chair: Mr Felipe Dhawahir-Scala, Seema Verma and John Buchan  
16:00 – 17:15

16:00  Unite for Site  
Abha Gupta, Edinburgh

16:20  Emergency management of the injured eye  
Professor Robert Scott, Birmingham & Midland Eye Centre

16:50  Acute optometry  
Dr Cindy Tromans, MREH

17:15  Close
# The Pioneer Theatre

## MEDICAL RETINA I: DIABETES and RVO  
**Chair: Mrs Yvonne d'Souza**  
09:00 – 10:30

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<td>Intravitreal therapies in diabetes</td>
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<td>Modern laser treatment in diabetic retinopathy</td>
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<td>09:50</td>
<td>VR surgery in Diabetic Eye Disease</td>
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### MEDICAL RETINA II: AMD  
**Chair: Mr Saj Mahmood**  
11:00 – 12:30

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<td>AMD: Where are we now?</td>
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<tr>
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<td>AMD: Where are we going? New technologies</td>
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<td>Free Paper S7.2 Significant SRF In Wet AMD Even After Long Term Ranibizumab – Is It AntiVEGF Tachyphylaxis Or Wrong Diagnosis?</td>
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### SURGICAL RETINA I  
**Chair: Mr George Turner**  
14:00 – 15:30

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<tr>
<td>14:00</td>
<td>Current best practice in retinal detachment surgery</td>
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<td>14:20</td>
<td>Evolving role of Retinal Nurse Practitioner</td>
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### MEDICAL RETINA I: DIABETES and RVO  
**Chair: Mrs Yvonne d'Souza**  
09:00 – 10:30

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**Chair: Mr Saj Mahmood**  
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### RETINA: FREE PAPERS I  
**Chair: Mr Niall Patton**  
16:00 – 17:00

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<tr>
<td>16:00</td>
<td>Free Paper S8.1 Posterior Fixated Artisan Lens – Surgical Technique And Associated Complications</td>
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<td>16:10</td>
<td>Free Papers S8.2 High Dose Tissue Plasminogen Activator (TPA) (100 Mcg/0.1 Ml) And C3F8 Gas In Pneumatic Displacement Of Submacular Haemorrhage.</td>
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<tr>
<td>16:20</td>
<td>Free Paper S8.3 Pars Plana Vitrectomy And Air Tamponade For Optic Disc Pit Maculopathy: A Novel Surgical Approach.</td>
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<tr>
<td>16:30</td>
<td>Free Paper S8.4 Triple Therapy For Exudative Retinal Detachment In Coats Disease: Transcleral Drainage Of Subretinal Fluid, Bevacizumab And Laser Photocoagulation.</td>
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<td>16:40</td>
<td>Free Paper S8.5 Fovea-sparing ILM Peel In Myopic Tractional Maculopathy (MTM)</td>
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<td>16:50</td>
<td>Free Paper S8.6 The Incidence Of Rhegmatogenous Retinal Detachments And Its Association With Seasonality And Climatic Factors</td>
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**Thursday 26 June**

The Pioneer Theatre
### Thursday 26 June

#### The Cotton Theatre

**OCULOPLASTICS/ORBITAL I**  
Chair: Mrs Anne Cook  
09:00 – 10:30

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<tbody>
<tr>
<td>09:00</td>
<td>Eyelid coloboma &amp; corneal protective surgery</td>
<td>Professor Richard Collin, Moorfields Eye Hospital</td>
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<tr>
<td>09:30</td>
<td>Lacrimal drainage surgery</td>
<td>Miss Jane Olver, London</td>
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<tr>
<td>10:00</td>
<td>20 years of orbital &amp; oculoplastic surgery at MREH</td>
<td>Mr Brian Leatherbarrow, MREH</td>
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**REFRESHMENT BREAK**

**OCULOPLASTICS/ORBITAL II**  
Chair: Mrs Anne Cook  
11:00 – 12:30

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<tr>
<td>11:00</td>
<td>The Manchester Oculoplastic Dissection Course</td>
<td>Mr Saj Ataullah</td>
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<tr>
<td>11:10</td>
<td>Neuro-oral pathology cases</td>
<td>Dr Roger Laitt, MREH</td>
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<td>11:30</td>
<td>Orbital pathology cases</td>
<td>Dr Richard Bonshek and Dr Luciane Irion, MREH</td>
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<td>12:00</td>
<td>Free Paper S9.1 The Role Of Azathioprine In The Management Of Thyroid Associated Ophthalmopathy (TAO)</td>
<td>A Dharmasena1; S Stephanides1; C Higham2 et al ‘MREH ; ‘Christie NHS Foundation Trust</td>
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<tr>
<td>12:10</td>
<td>Free Paper S9.2 Surgical Management Of Involutional Entropion</td>
<td>C Sobajo; B While; A Cook.</td>
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<td>12:20</td>
<td>Free Paper S9.3 Dynamic Muscle Transfer In Facial Nerve Palsy – The Use Of Contralateral Orbicularis Oculi Muscle</td>
<td>A Dharmasena; SA Sadiq; W Chan</td>
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**CORNEA I**  
Chair: Mrs Fiona Carley  
14:00 – 15:30

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<td>14:00</td>
<td>Corneal dystrophies – a historical vignette</td>
<td>Mr Alan Ridgway, MREH Alumnus</td>
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<tr>
<td>14:30</td>
<td>The structure of the cornea</td>
<td>Professor Keith Meek, University of Cardiff</td>
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<tr>
<td>15:15</td>
<td>Lamellar keratoplasty and the implications to eye banking</td>
<td>Mrs Fiona Carley, MREH</td>
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**CORNEA II**  
Chair: Mrs Fiona Carley  
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<td>Miss Ithar Beshtawi, University of Manchester</td>
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<td>New advances in corneal stem cells and management of ocular surface failure</td>
<td>Professor Stephanie Watson, University of Sydney</td>
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**CORNEA II**  
Chair: Mrs Fiona Carley  
16:00 – 17:00

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<td>Miss Ithar Beshtawi, University of Manchester</td>
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**CORNEA I**
14:00 – 15:30

**OCULOPLASTICS/ORBITAL II**  
Chair: Mrs Anne Cook  
11:00 – 12:30

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Thursday 26 June

Conferece Room 1

OPTOMETRY AND VISION SCIENCE I: CORNEA AND CONTACT LENS
Chair: Dr Cindy Tromans
09:00 – 10:30

09:00  Introduction
Dr Cindy Tromans, MREH
09:05  Innovations in contact lens practice
Professor Philip Morgan, University of Manchester
09:45  Structural, optical and mechanical changes in the keratoconic cornea
Dr Clare O'Donnell, Optegra
10:00  Keratoconus: to fit or not to fit?
Mrs Sophie Harper, MREH
10:15  Why do keratoconics drop out of contact lens wear?
Dr Martyn Russell, MREH

10:30-11:00 REFRESHMENT BREAK

OPTOMETRY & VISION SCIENCE II: LOW VISION
Chair: Dr Robert Harper
11:00 – 12:30

11:00  Introduction
Dr Robert Harper, MREH
11:05  Innovations in low vision rehabilitation
Professor Chris Dickinson, University of Manchester
11:45  Stroke and visual impairment
Dr Fiona Rowe, University of Liverpool
12:00  Electronic vision enhancement devices and the NHS
Miss Rachel Bambrick, MREH
12:15  Telephone review in low vision services
Miss Julie Lennon, MREH

12:30-14:00 LUNCH/POSTER VIEWING and EXHIBITION

OPTOMETRY & VISION SCIENCE III
Chair: Dr Neil Parry
14:00  New insights into photoreceptor signal processing
Professor Jan Kremers, University of Erlangen
14:25  The Pulfrich effect revisited
Dr Sotiris Plainis, University of Crete
14:45  Early AMD: how do we advise the next generation on Supplementation with retinal carotenoids
Dr Ian Murray, University of Manchester
15:00  Dark adaptation and macular disease
Jeremiah Kelly, University of Manchester

15:30-16:00 REFRESHMENT BREAK

OPTOMETRY & VISION SCIENCE IV
Chair: Dr Neil Parry
16:00 – 17:00

16:00  Exploring structural and functional relationships in the Human visual cortex using fMRI-guided TMS
Professor Declan McKeefry, University of Bradford
16:20  Macular pigment and the optimization of S-cone Pathway responses
Dr Anthony Robson, Moorfields Eye Hospital
16:40  Psychophysical and electrophysiological measures of Retinal heterogeneity
Dr Neil Parry, MREH
17:00  Close
Friday 27 June

The Pioneer Theatre

GLAUCOMA I: VISUAL FIELD RESEARCH
Chair: Professor David Henson
09:00 – 10:30

09:00 Visual fields in the periphery – what are we missing?
Professor Paul Artes, Halifax, Canada
09:30 Using visual field data as an audit tool
Professor David Henson, MREH
10:00 Measuring the visual field in children
Dr Marco Miranda, University of Manchester

10:30-11:00 REFRESHMENT BREAK

GLAUCOMA II: SAFE SURGERY FOR TRABECULECTOMY & TUBE
Chair: Miss Cecilia Fenerty
11:00 – 12:30

11:00 Future horizons in glaucoma
Professor Sir Peng Tee Khaw
11:40 How we do Trabeculectomy/Tubes: MREH audits
Miss Cecilia Fenerty, MREH
12:10 Free Paper S10.1 Optomist-led Glaucoma AssessmentVs. Consultant-led Virtual Review
M Yusuf1; C Fenerty2; F Spencer2; et al
E Nikita; A Banu3; S Mustafa3; et al

12:30-13:30 LUNCH/POSTER VIEWING and EXHIBITION

GLAUCOMA III: SERVICE DEVELOPMENT
Chair: Miss Fiona Spencer
13:30 – 15:00

13:30 Glaucoma Referral Refinement Scheme (GRRS)
Miss Fiona Spencer, MREH
13:50 Optomist-led Glaucoma Assessment Unit (OLGA)
Dr Robert Harper, MREH
14:05 Glaucoma Evaluation Clinic (GEC)
Mr Leon Au, MREH
14:20 Impact of NICE Guidelines and New Era Commissioning
Miss Cecilia Fenerty, MREH
14:40 The National Picture
Professor Stephen Vernon, Nottingham

15:00-15:30 REFRESHMENT BREAK

GLAUCOMA IV: ADVANCES IN GLAUCOMA
Chair: Mr Leon Au
15:30 – 16:30

15:30 Ophthalmoscopy or disc imaging?
Miss Eleni Nikita, MREH
15:50 Penetrating or non-penetrating surgery?
Mrs Divya Matthews, Abergele
16:10 New surgical treatments for glaucoma – are they making a difference?
Mr Leon Au, MREH
16:30 Close
### RETINA: FREE PAPERS II
**Chair:** Mr Felipe Dhawahir-Scala  
**09:00 – 10:30**

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| 09:00 | Free Paper S11.1 Vitrectomy Surgery With Peel Of Internal Limiting Membrane As Rescue Therapy For Chronic And Refractory Diabetic Macular Oedema | A Jalil; T Ivanova; J. L Vallejo-Garcia; et al  
MREH, Manchester Vision Regeneration (MVR) Lab, NIHR/Wellcome Trust Manchester |                                                                                          |
| 09:10 | Free Paper S11.2 Surgical Treatment And Postoperative Swept-Source OCT And Fundus Autofluorescence Findings In Full Thickness Macular Fold After Pars Plana Vitrectomy | M Gil-Martinez; S Pastor-Idoate; Crim N; et al  
MREH, Manchester Vision Regeneration (MVR) Lab, NIHR/Wellcome Trust Manchester |                                                                                          |
| 09:20 | Free Paper S11.3 Anatomical And Functional Outcomes In X-linked Retinoschisis Treated With Topical Carbonic Anhydrase Inhibitor -- Dorzolamide. | C Quijano; M Gil-Martinez; S Pastor-Idoate; et al  
MREH, Manchester Vision Regeneration (MVR) Lab, NIHR/Wellcome Trust Manchester |                                                                                          |
| 09:30 | Free Paper S11.4 Ozurdex: An Unusual But Safe Landing!                 | R Chhabra; S Mahmood. MREH                                                              |                                                                                          |
| 09:40 | Free Paper S11.5 Iatrogenic Retinal Breaks In 20-G Versus 23-G Pars Plana Vitrectomy | A Jalil; W O Ho; S Charles; et al  
MREH                                                                 |                                                                                          |
| 09:50 | Free Paper S11.6 Epiretinal Membrane And Bursa Premacularis In A 5-year-old Child: Swept-Source 1050nm Optical Coherence Tomography Imaging And Intraoperative Findings | A Jalil; M Gil Martinez; S Pastor-Idoate; et al  
MREH, Manchester Vision Regeneration (MVR) Lab, NIHR/Wellcome Trust Manchester |                                                                                          |
| 10:00 | Panel discussion                                                      |                                                                                           |                                                                                          |

### THE HISTORY OF OPHTHALMOLOGY AND MEDICINE IN MANCHESTER
**Chair:** Mr Nicholas Jones  
**13:30 – 15:00**

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<td>Ophthalmology in Manchester before and after MREH</td>
<td>Mr Nicholas Jones, MREH</td>
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<tr>
<td>14:00</td>
<td>The ophthalmoscope: most beautiful of inventions</td>
<td>Mr Richard Keeler, Royal College of Ophthalmologists</td>
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<td>14:30</td>
<td>Medicine in Manchester: Manchester in medicine</td>
<td>Professor Michael Worboys, University of Manchester</td>
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### RETINA: NEW HORIZONS, FAR HORIZONS
**Chair:** Mr Steve Charles  
**11:00 – 12:30**

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<td>The vitreoretinal interface and enzymatic vitreolysis</td>
<td>Mr Richard Haynes, Bristol</td>
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<td>11:20</td>
<td>The vitreomacular interface in teenagers</td>
<td>Mr Harry Bennett, Edinburgh</td>
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<td>11:40</td>
<td>A view from Australasia: Phoenix rising from the Ashes</td>
<td>Dr Kolin Foo, Wellington, New Zealand</td>
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<td>12:00</td>
<td>Role of macular pigment in healthy and diseased eyes</td>
<td>Professor Stephen Beatty, Waterford, Ireland</td>
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**12:30-13:30** LUNCH/POSTER VIEWING and EXHIBITION
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**Conference Room 1**

**TRANSLATIONAL EYE RESEARCH DAY I**

**Chair: Professor Paul Bishop**

**09:00 – 10:30**

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**TRANSLATIONAL EYE RESEARCH DAY II**

**Chair: Professor Graeme Black**

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**TRANSLATIONAL EYE RESEARCH DAY III**

**Chair: Professor Paul Bishop**

**13:30 – 15:00**

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**TRANSLATIONAL EYE RESEARCH DAY IV**

**Chair: Professor Paul Bishop**

**13:30 – 15:00**

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17:30-19:00  Conference Reception  
The Leader Suite and The Pioneer Room  
Manchester Conference Centre  
Cost: Included in registration fee

Wednesday 25 June
17:00-17:30  Poster Viewing Session  
The Leader Suite and The Pioneer Room  
Manchester Conference Centre  
Cost: Included in registration fee

17:30-19:00  Visit to the old MREH site and the new MREH Site  
Cost: Included in your registration fee.  
£15.00 for extra tickets if you are not registered to attend the conference on Wednesday 25 June.

Thursday 26 June
19:00-22:30  Conference Dinner  
Manchester Town Hall  
Cost: £60 per person

Additional Networking Opportunities
Speakers’ Biographies

**Jane Ashworth**

I grew up in Cheshire and did an undergraduate degree Part 1 Medical Sciences and Part 2 History of Art at Clare College, Cambridge University. I then went on to do a Clinical Medicine at Keble College, Oxford University followed by house jobs at Bath and Oxford. I was appointed to a joint Anatomy Demonstrator/SHO in Ophthalmology post at MREH in 1993 and continued the rest of my ophthalmology training at MREH. I undertook a Wellcome Trust-funded PhD in Biochemistry and Molecular Biology in the School of Biological Sciences at the University of Manchester from 1996-1999, and was a Clinical Lecturer at the University of Manchester from 2000 to 2006. From January 2005 to December 2006 I was honorary fellow in paediatric ophthalmology with Chris Lloyd and Sus Biswas, and became a consultant paediatric ophthalmologist at MREH in January 2007. I have interests in paediatric cataract, paediatric uveitis, neurometabolic disease and retinopathy of prematurity.

**Saj Ataullah**

Saj Ataullah graduated from Charing Cross & Westminster Medical School, London, in 1991. He trained in general ophthalmology in London and Manchester. He then specialised in oculoplastic surgery in Auckland, New Zealand & Manchester, UK. Saj was appointed as a Consultant Oculoplastic, Lacrimal & Orbital Surgeon in 2002 at Manchester Royal Eye Hospital where he is the clinical lead for oculoplastic surgery. He takes a keen interest in teaching and training of ophthalmic surgeons. He co-runs an internationally renowned fellowship in oculoplastic surgery. He was appointed as the Royal College of Ophthalmologists’ Tutor for Manchester Royal Eye Hospital in 2005 and subsequently Regional Advisor in 2012. He is a founder member of the British Oculoplastic Surgery Society (BOPSS).

**Stephen Beatty**

Professor Stephen Beatty is the Director of the Macular Pigment Research Group. He graduated from the Royal College of Surgeons in Ireland in 1990, and trained as an ophthalmic surgeon in Dublin, Manchester, Birmingham, London and Geneva. He has been a Consultant Ophthalmic Surgeon with a special interest in retinal disease since 2001. Stephen Beatty has a strong track record in research, with over 100 peer-reviewed publications, and his research interest include cataract and age-related macular degeneration. Stephen Beatty was appointed Professor at Waterford Institute of Technology in 2010 and Adjunct Professor at Trinity College Dublin in 2011.

**Harry Bennett**


**Ithar Beshtawi**

Ithar Beshtawi graduated in Optometry (BSc honours) in 2008 from An-Najah National University/ Palestine, and then worked as a teaching and research assistant for one year in the optometry department at An-Najah University. Afterward, Ithar completed an MSc in “Investigative Ophthalmology and Visual Sciences” and PhD in Optometry at the University of Manchester in the UK. Ithar is now a full time lecturer in the school of Optometry at An-Najah National University where she continues her research, alongside with her undergraduate teaching and clinical work.

**Stephen Beatty**

Jayne Bessant is the Chief Executive at St Ann’s Hospice which delivers a wide range of specialist palliative care services across the Greater Manchester area.

Prior to taking up post in July 2010 she worked at East Cheshire Hospice as Chief Executive for three years.

She has a long history with St Ann’s after joining in 1997 as a Staff Nurse. Prior to this she worked at the Manchester Royal Eye Hospital in a range of clinical and managerial roles.

She also serves as a publicly elected Governor at Central Manchester Foundation Trust, with specific interest in the Patient Experience Committee.

**Paul Bishop**

Paul Bishop has been a Consultant Ophthalmologist at Manchester Royal Eye Hospital since 1998, subspecialising in medical retina. He was appointed as Professor of Ophthalmology and Matrix Biology at the University of Manchester in 2006. He is Academic Lead for the Hearing and Vision Research Centre at the University of Manchester, Co-Director of the Centre for Advanced Discovery and Experimental Therapeutics and Lead for Special Senses Research at Manchester Biomedical Research Centre. Paul undertook most of his ophthalmology training at Manchester Royal Eye Hospital. Whilst in training he took time out to undertake a PhD in biochemistry at the University of Manchester. After being awarded the PhD in 1993, he obtained prestigious Wellcome Trust research fellowships including a Clinical Scientist Fellowship then a Senior Research Fellowship in Clinical Science. His research interests span from laboratory science through to clinical trials and focus on major causes of blindness including age-related macular degeneration, diabetic retinopathy and vitreoretinal disorders. He has published over 80 papers, holds several patents and has a cumulative grant income of over £8.5M. He chairs grant awarding panels for the Macular Society and RP Fighting blindness and sits on the Fight for Sight grant panel. He is a member of the Ophthalmic Advisory Panel for the Commission on Human Medicines.

**Susmito Biswas**

Susmito Biswas was the second consultant to be appointed at the Manchester Royal Eye Hospital with a subspecialty interest in paediatric ophthalmology. He has since developed further specialised services in paediatric cornea & external eye including a paediatric corneal transplantation service. Tertiary and quaternary clinics include a paediatric corneal and external eye disease clinic, which he runs in conjunction with Fiona Carley, and paediatric ocular allergy clinic which he runs with Dr Vibha Sharma, consultant allergy specialist from the Royal Manchester Children’s hospital.

Both of these clinics receive referrals nationally from other tertiary referral opthalmic centres. He also leads the Retinopathy of Prematurity screening and treatment service in Greater Manchester.

**Saj Ataullah**

Having moved to Manchester in 1995 Graeme Black became a Wellcome Trust Clinician Scientist Fellow

**Graeme Black**

Graeme Black is Professor of Genetics and Ophthalmology at Central Manchester University Hospitals NHS Foundation Trust. During training he undertook a DPhil with Professor Ian Craig in the Department of Biochemistry at the University of Oxford, studying the genetics of X-linked inherited ophthalmic disease. It was this period that enabled him to develop his combined subspeciality interests.

Having moved to Manchester in 1995 Graeme became a Wellcome Trust Clinician Scientist Fellow.
in 1997 and a Wellcome Trust Senior Research Fellow in 2002. This enabled him to focus on functional analyses of recently identified genes, defining their role in normal development as well as in the disorders studied. Graeme was the director of the NIHR Manchester Biomedical Research Centre (BRC), a specialist centre in Genetics and Developmental Medicine, from 2009-2012. Graeme lead the BRC to develop an impressive track record of translating scientific breakthroughs into clinical practice.
In 2012 Graeme became the director of the Institute of Human Development, within the Faculty of Medical and Human Sciences at The University of Manchester. The Institute brings together research in the areas of genetic medicine, specialist senses, diabetes & endocrinology, maternal and foetal health and paediatrics.
Graeme’s major research interest is the investigation of genetic disorders associated with visual disability. The ultimate aims are to improve the diagnosis, management and treatment of such conditions. This work has focused on the characterisation of genes and proteins underlying inherited developmental disorders such as anophthalmia, cataract and retinal degenerative disorders.
Graeme oversees a scientific team that provides genetic testing for retinoblastoma. Through funding provided by the Department of Health and the Genetic Alliance UK to contribute to the UK Rare Disease working group coordinated by Genetic Alliance UK to contribute to the UK Rare Disease Plan and the EU Dyscerne project she set up a network of experts in syndrome clefting and in the teratogenic effects of antiepileptic drugs and alcohol in pregnancy. Her interest in genetic ophthalmology began back as 1991 when a joint clinic for genetic eye disorders was set up in Manchester. She has been an active researcher throughout her career, with a longstanding interest in neuro-developmental disorders and diagnosis and management of rare genetic syndromes. She has close clinical and research links with the Cleft Lip and Palate Team and the Manchester Genetic Ophthalmology Team.
Jill works also with a number of patient support groups for rare disorders. She was a member of the UK Rare Disease working group coordinated by Genetic Alliance UK to contribute to the UK Rare Disease Plan and through the EU Dyscerne project she set up a network of experts in syndrome diagnosis throughout the EU and further afield.

Arun Brahma

Cornea, Cataract, Anterior Segment, Refractive Arun qualified from Manchester Medical School in 1988. Arun Brahma has been working at the Manchester Royal Eye Hospital since 1997. Arun has helped to train many corneal and refractive surgeons, both in the UK and abroad. He has many publications in peer reviewed journals, and is a co-investigator in a number of research studies funded by the Medical Research Council and BBSRC Council in Manchester, Lancaster and Cardiff universities.

Steve Charles

Steve Charles has been Consultant Ophthalmologist with specialist interest in Vitreoretinal Surgery at MREH since 1997. He studied Medicine at Oxford and the Royal London Hospital, qualifying in 1983, and then specialist training in Ophthalmology in Newcastle, Cambridge (where he completed an MD thesis in ophthalmic genetics) and Manchester (as a Senior Registrar), with extensive sub-specialist training in vitreoretinal surgery. He worked as vitreoretinal fellow in Manchester under Professor David McLeod. He then worked as Consultant Vitreoretinal Surgeon at Ulleval University Hospital, Oslo, Norway, from 1995 until he returned to Manchester in 1997.
Steve organised the internationally recognised Vitreoretinal Fellowship programme at MREH from 2000 until 2011, and remains closely involved in training vitreoretinal surgeons on our fellowship programme. He regularly gives lectures on vitreoretinal surgery. He is a council member and recent Past President of the North of England Ophthalmological Society.

Jill Clayton-Smith

Jill qualified in Medicine in Manchester University in 1985 and has worked in the field of Clinical Genetics since 1987. She was an Action Medical Research Training Fellow at the Institute of Child Health in London, moving to Manchester in 1991 to complete training and take up a post as a Consultant Clinical Geneticist in Manchester. In 2006 she was appointed as an Honorary Professor within the University of Manchester.
She has a wide variety of clinical interests with special interests in syndrome diagnosis, particularly syndromic eye disease, learning disability syndromes and clefting and in the teratogenic effects of antiepileptic drugs and alcohol in pregnancy. Jill is an active researcher throughout her career, with a longstanding interest in neuro-developmental disorders and diagnosis and management of rare genetic syndromes. She has close clinical and research links with the Cleft Lip and Palate Team and the Manchester Genetic Ophthalmology Team. She has a major role in the teaching and training of ophthalmic surgeons. She co-runs an internationally renowned fellowship in oculoplastic surgery, and has published in international peer-reviewed journals, with presentations both in the UK, Europe, North and South America. She is a member of the British Oculoplastic Surgical Society (BOPSS) and the Royal College of Ophthalmologists.

Anne Cook

Anne graduated from Manchester Medical School in 1993 and trained in general ophthalmology all over the North West, including Manchester Royal Eye Hospital. She then specialised in oculoplastic surgery, completing surgical Fellowship training in Manchester, and was appointed as specialist Consultant Oculoplastic, Lacrimal & Orbital Surgeon in 2005. Anne set up the multi-disciplinary tertiary referral service for patients with Thyroid Eye Disease, treating patients with complex problems in the monthly clinic with visiting Consultant Endocrinologist Dr Claire Higham from The Christie Hospital. Patients within this service will have all their medical treatment organised, plus the whole range of orbital, squint and lid reconstructive procedures carried out. Anne is also involved in a wide range of research interests relating to thyroid eye disease, and has been the Principal Investigator for the Manchester arm of the national CIRTED trial.

Richard Collin

Richard Collin is a professor of ophthalmology at UCL, University of London and a consultant surgeon at Moorfields Eye Hospital. He specialises in oculoplastic surgery and has been past president of both the British and European Ophthalmic Plastic and Reconstructive Surgery Societies. He has written 3 textbooks, given more than 20 named lectures and published over 200 articles as well as various book chapters on oculoplastic subjects.

John Cooper

John has been working at the Manchester Royal Eye Hospital for twenty years. He is currently a senior lecturer in the Department of Ophthalmology at the University of Manchester. He is also involved in a wide range of research interests relating to thyroid eye disease, and has been the Principal Investigator for the Manchester arm of the national CIRTED trial.

An opportunity to develop new areas became reality in 2004 when John became a nurse practitioner in oculoplastics. This is a multifaceted role, which includes elements of wound care, pre-assessment, minor surgery, scrub, rehabilitative care etc. As part of the oculoplastic role John has gained a particular interest in exenteration wound care and has
undertaken research into the area. This subsequently led John to undertaking a Masters degree in clinical research at Manchester University. More recently John has been fortunate enough to be able commence the advanced nurse practitioner programme at Salford University. This is unique opportunity within the field of ophthalmic and oculoplastic nursing in the UK.

John has spoken at various nursing conferences both nationally and internationally, and has published various papers on aspects of oculoplastic nursing care and practice. He also a Royal College of Nursing Ophthalmic Forum Committee member and has been involved in writing national competencies in this capacity. John has worked at the MREH since qualifying in 1992 and is a proud and loyal advocate for the hospital and continues to explore various new avenues to develop ophthalmic nursing for the future.

Tony Day

Tony Day took up his current post of Professor of Biochemistry within the Wellcome Trust Centre for Cell-Matrix Research at the University of Manchester in October 2005. Before this he spent ~25 years at the University of Oxford and it was here that he did his first degree in Chemistry at Exeter College (1981-1985), which was followed by a DPhil at Wolfson College (1988) on a regulator of the innate immune system. Between 1988-1998 Tony was a research fellow within the Department of Biochemistry, University of Oxford and in 1998 he became a member of MRC Senior Scientific Staff within the MRC’s Immunochemistry Unit (Oxford). Tony’s research focuses on protein-glycosaminoglycan interactions in the context of inflammatory diseases, including Age-related Macular Degeneration.

Felipe Eduardo Dhawahir-Scala

Mr Felipe Eduardo Dhawahir-Scala is a Consultant Ophthalmic and Vitreoretinal Surgeon and the Director of the Acute Ophthalmic Services at Manchester Royal Eye Hospital. He qualified from The Complutense University in Madrid, Spain and he trained in Ophthalmology in the Westmidlands and Northwest of England. Mr Dhawahir-Scala has been responsible for introducing several innovative Vitreoretinal techniques locally, nationally and internationally. Mr Dhawahir-Scala and his team have restructured and improved the efficiency of the Acute Ophthalmic Services in Manchester Royal Eye Hospital. As a result of this, The Manchester Royal Eye Hospital Acute Services are a leading national centre in Ophthalmic emergencies. Mr Dhawahir-Scala is a Co-Founder of the British Emergency Eye Care Society and currently holds the position of Vice-President. He is a scientific reviewer for the Cochrane Eyes and Vision Group as well as several international journals, and has a long history in research, teaching and lecturing. He has published multiple scientific papers which have resulted in change of practice around the world and has given over 100 presentations at home and abroad.

Tony Day

Chris Dickinson

I graduated from UMIST in 1979 with BSc (Honours) Ophthalmic Optics, First Class. I then became a Member of the College of Optometrists in July 1980, when I was awarded the College Prize. I held an MRC studentship, and completed my PhD for research in Congenital Ocular Oscillations in 1983. Whilst I was a postgraduate student I lectured the MREH students on the Orthoptics Diploma. After a short spell in hospital and community practice in Southport and Preston, I was appointed as Lecturer at UMIST in 1984, promoted to Senior Lecturer in August 1997, and became Professor of Clinical Optometry in the Faculty of Life Sciences, of the newly-formed University of Manchester in August 2005. Throughout my career, much of the research I have carried out has been based at Manchester Royal Eye Hospital, mostly in collaboration with Dr Robert Harper. I was Editor-in-Chief of the international journal “Ophthalmic and Physiological Optics” from 1999-2010. I authored the textbook “Low Vision Principles and Practice”, published in 1998, as well as contributing to, or editing, a number of other books. My interests are in low vision rehabilitation; stroke rehabilitation; dispensing; visual ergonomics; and driving. I have been a Member of Secretary of State for Transport’s Advisory Medical Panel on Vision and Driving since 2004. I have given over 90 invited lectures for researchers, eye care professionals, teachers, rehabilitation workers and patient groups. In 2011 I was awarded Life Fellowship of the College of Optometrists.

Yvonne D’Souza

Dr Kolin Foo MBChB FRANZCO is a vitreoretinal surgeon at the eye department of Wellington Hospital, New Zealand. He is also a senior clinical lecturer in ophthalmology at the Wellington School of Medicine, a branch of the University of Otago. He obtained his medical degree from the University of Otago in 1993 and became a fellow of the Royal Australian and New Zealand College of Ophthalmologists in 2000. He completed fellowship training in medical and surgical retina at the Royal Victorian Eye and Ear Hospital in Melbourne, Australia in 2002 and then a further fellowship in vitreoretinal surgery at Manchester Royal Eye and Ear Hospital, UK (2003-2004).

Cecilia Fenerty

Steve Furber

Steve Furber CBE FRS FREng is ICL Professor of Computer Engineering in the School of Computer Science at the University of Manchester, UK. He obtained a BA in Maths in 1974 and a PhD in Aerodynamics in 1980, both from the University of Cambridge, and was Rolls Royce Research Fellow at Emmanuel College, Cambridge, from 1978-81. He then joined Acorn Computers where he was a principal designer of the BBC Micro,
which introduced computing into most UK schools, and the ARM microprocessor, which today powers most of the world’s consumer electronics, over 40 billion having been shipped by ARM Ltd’s semiconductor partners. In 1990 he moved to the ICL Chair at Manchester, where his research interests include Systems-on-Chip, low-power and asynchronous logic design, and neural systems engineering – building a massively-parallel computer for real-time brain modelling.

Helen Gibbons

My first taste of ophthalmic nursing was as a health care assistant while I was waiting to commence my general training. I enjoyed it so much that as soon as I had completed my training I applied to study for the ENB qualification in ophthalmic nursing at Southamptom and here I am 25 years later still passionate about ophthalmic nursing and still learning something new everyday!

I have been fortunate enough to work with some very forward thinking and dynamic Ophthalmologists who were confident enough to train nurses to push the boundaries and work at an advanced level. I was the first nurse to be trained to perform Nd: YAG laser capsulotomy and Nd: Yag laser iridotomy. My ophthalmic experience has been in pre and post-operative care, out patients and setting up a nurse led ophthalmic emergency clinic within a district general hospital. Prior to my current appointment I was employed by City University, London as a Research practitioner where I was module leader for both the MSc and BSc Ophthalmic modules.

Two years ago I was appointed as Clinical Lead Nurse (Education) at Moorfields Eye Hospital, London. In line with the Nursing strategy for Moorfields Eye hospital, we are developing a range of study days aimed at increasing the knowledge in specialist areas of ophthalmic nursing, as well as establishing a post graduate Certificate in ophthalmic Practice in association with University College London aimed at nurses working within an ophthalmic setting. In addition to the educational element to my role, I am also involved in working with nurses fostering their research skills and encouraging them to impart their knowledge to others by writing for publication and presenting papers at conferences both nationally and internationally.

Within my role I have also been fortunate to have the opportunity to get involved with assisting the development of nursing roles in a new eye hospital being built in Accra, Ghana. I have visited regularly in the past eighteen months and organised for a team of nurses from Accra to visit Moorfields to observe patient flow and patient pathways.

Kanna Gnanalingham

After studying Medicine in Manchester, Mr Gnanalingham completed his Neurosurgical training in London. This included fellowships in Pituitary and Skull base surgery, at the National Hospital for Neurology and Neurosurgery. He learned minimally invasive techniques at several centres in the UK and US and was appointed as a Consultant at the Greater Manchester Neuroscience Centre at Salford Royal Foundation Trust (SRFT) in 2005.

His sub-speciality interests include pituitary, anterior skull base as well as complex spine surgery, utilising minimally invasive techniques. He is the lead consultant for Pituitary surgery in Manchester and introduced the endoscopic approach to the region.

In recognition of his expertise, Mr Gnanalingham is frequently invited to speak at national and international meetings and conduct workshops for pituitary disorders. He has a strong interest in clinical and basic science research with over 80 peer reviewed publications.

Jane Gray

Jane is Head of Ophthalmic Imaging Services at MREH. She has advanced knowledge of Ophthalmic Imaging Techniques including optical coherence tomography, ultra-widefield imaging, angiography and anterior segment photography. She has a high level of individual responsibility due to the specialist function of the Department. The Ophthalmic Imaging Department, with a staff of 15 photographers, provides a service to all subspecialties within Ophthalmology. The department also runs several technician-led clinics which provide a monitoring service for people with stable eye conditions in a high quality patient centred clinic, run by trained and experienced staff in a safe environment.

Robert Harper

Robert Harper is an Optometrist Consultant at MREH and an Honorary Senior Lecturer at the University of Manchester with a role encompassing clinical work, teaching, research, clinical audit and wider professional matters. His main areas of clinical and research interest include glaucoma, diagnostic test evaluation, visual impairment, and evaluating enhanced optometry schemes. He has presented many papers at ophthalmic meetings and given a number of invited lectures nationally and internationally. He has secured ~£2million grant income as lead or co-applicant on various research projects and has authored more than 50 papers in peer review scientific journals. Robert has been actively involved in the training and examining of optometrists at both undergraduate and postgraduate level for 20 years and is currently external examiner for Ulster’s BSc (Hons) Optometry course. He is former chairman and current panel member of the College of Optometrists’ Glaucoma Panel and acts as a General Optical Council panel visitor. He is actively involved in CET and is former Co-editor of a professional continuing education journal. He is currently the hospital representative on the Manchester Local Optical Committee, and has worked at the interface of community optometry and hospital services in the implementation of enhanced optometry schemes.

David Henson

Professor David Henson graduated from City University in 1970 with a degree in Optimalic Optics. He then completed his pre-registration year while acting as a research assistant at the Institute of Optometry in London. After a further year in optometric practice he took the MSc course ‘Investigative Ophthalmology & Vision Sciences’ at Aston University before going on to PhD study in the School of Optometry at Indiana University (obtained in 1976). Following the completion of his postgraduate David returned to the UK to take up a lectureship in the Optometry department of Cardiff University. He was later promoted to Senior Lecturer and then moved to the Medical School of Manchester University and Manchester Royal Eye Hospital in 1996. He was awarded a personal chair in Ophthalmology & Vision Sciences in 2002. In 2013 David went part time (3 days per week) with a view towards full retirement in a couple of years’ time.

Prof Henson’s main field of interest is the development of techniques to aid the detection and management of ophthalmic disease, in particular visual fields and glaucoma.

Nicholas Jones

Nicholas Jones underwent medical training at the Universities of St Andrews and Manchester, UK and postgraduate ophthalmology training in Manchester and Southampton. He is Consultant Ophthalmic Surgeon at the Manchester Royal Eye Hospital, and Honorary Senior Lecturer at the University of Manchester. He created the Manchester Uveitis Clinic in 1991; it has now become one of the busiest in Europe and has treated over 3,500 patients with uveitis from the North of England and beyond. He is the author of over 70 publications including the prizewinning Uveitis: An Illustrated Manual in 1998 and Uveitis: Second Edition in 2013. He is a member of the International Uveitis Study Group, a long-term faculty member of the Moorfields Uveitis Course and is regularly invited to lecture internationally on the diagnosis and management of intraocular inflammation. His main current research interests include sarcoidosis, tuberculosis and secondary glaucoma.
Dame Betty Kershaw

Betty Kershaw completed her Ophthalmic Diploma in 1966 at Manchester Royal Eye Hospital, receiving the Gold Medal and the Medical Board Prize. She then moved to Oxford Eye Hospital for two years, returning to MREH as Clinical Tutor. In autumn 1974 she was seconded on to the first MSc in Nursing at the University of Manchester. On graduation in 1986 the MREH School had closed and she went to South Manchester Hospitals, eventually running their Post-basic Nursing Education programme. From 1984-87 she was Director of Education and Training at The Royal Marsden Hospital, coming back North in 1987. From then until December 1998 she was instrumental in integrating the Schools of Nursing and Midwifery into the University. She moved to Sheffield in January 1999 as Dean of the School of Nursing and Midwifery, retiring in 2006. From 1998 to 2005 she was CNO (voluntary) to St John Ambulance HQ. Since retirement she worked for some years as Education Advisor to the RCN. She was made DBE in 1998, a Fellow of the RCN in 2003, holds an Honorary Doctorate from the University of Manchester and has two Lifetime Achievement Awards. She has travelled widely on Government and Voluntary Organisations, and has a longstanding record of publications and presentations.

Richard Keeler

Richard Keeler was educated at Lancing and Worcester College, Oxford from where, after a year, he returned to Keele for his final year. He qualified as an optometrist in 1991, working in general practice and as an agency optical business. He qualified as a Dispensing Optician in 1993 but spent the whole of his business life of 38 years in the ophthalmic instrument business of Keeler Ltd. He was involved in product development of a range of instruments such as the Ophthalmic Surgical microscope and the Pulsair Tonometer. He travelled widely and most especially in America. He was made an Honorary Fellow of the (Royal) College of Ophthalmologists in 1993. He retired from Keeler Ltd in 1997. Soon after, he was invited to become Honorary Curator at the College where he created a collection of antiquarian ophthalmic instruments and books. He is also Honorary Archivist for the Moorfields Alumni Association. He is a member of the Cogan Ophthalmic History Society and gave the Snyder Lecture in 2008. Other named lectures have been the Hogan and Percival Hay. Since 2007 he has provided for the BJO the monthly cover image and commentary on instruments and books from the College Collection. He co-authored with Peter Leaver the recently published book “Good News from Switzerland”: a History of Retinal Reattachment Surgery.

Jeremiah MF Kelly

Qualified as an optometrist in 1987 and undertook a degree in Mathematics through the Open University (1994). Joined the University of Manchester Investigative Ophthalmology and Vision Science MSc course as a part time student, completed 1999 with a project supervised by Mike Boulton investigating protein expression in the lens capsule following cataract extraction.

Jeremiah has a special interest in mathematical modelling of visual processes and the use of image processing to explore physical properties of contact lenses. Previously worked on straylight and contrast sensitivity in the aging eye, fluid gas interface on contact lens surface, under lens fluid clearance and fluid flow over contact lens surface. He began a College of Optometrist fund PhD (2010) with Dr Ian Murray to isolate rod function in the human eye.

Having successfully defended his thesis Jeremiah is now an NIHR investors 4 innovation funded Research Associate at the University of Manchester, investigating the sensitivity and specificity of dark adaptation in identifying people with early age related macular disease.

Sir Peng T. Khaw

Affiliation: Professor of Glaucoma and Ocular Healing and Consultant Ophthalmic Surgeon; Moorfields Eye Hospital and UCL Institute of Ophthalmology, United Kingdom. Areas of Interest: Developing new therapies, particularly for preventing scarring and regeneration; Developing surgical techniques (Moorfields Safer Surgery System) which have improved the safety and outcomes of antimetabolite assisted trabeculectomy in children and adults, and new anti-scarring regimens based on laboratory research leading to large international clinical trials; Current research: Drainage devices, drug delivery systems and regenerative therapies using stem cells for optic nerve repair

Leadership Positions: Director, UK National Institute for Health Research Biomedical Research Centre in Ophthalmology at Moorfields Eye Hospital and UCL Institute of Ophthalmology; Director, Research and Development, Moorfields Eye Hospital; Programme Director Eyes & Vision, UCL Partners Academic Health Science Centre; President Association for Research into Vision and Ophthalmology (ARVO) 2013; Published over 350 papers, chapters and books, and helped raise over £90 million for research and clinical & research facilities including a new children’s eye hospital and national research centre

Awards/Honours: First international ARVO/Pfizer Ophthalmic Translational Research Award; Alcon Research Institute Award; Sir Stewart Duke Elder Lecture Medal Royal College of Ophthalmologists; 12th Hong Kong Lecture Medal; Royal Society of Medicine; 23rd Dame Ida Mann Lecture Oxford University; Gold Medal Saudi Ophthalmological Society; Jubilee Lecture Swedish Medical Society; Hunterian Professorship Royal College Surgeons England; The Times Britain’s Top 100 doctors; Elected to British Academy of Medical Sciences 2003 and NIHR Senior Investigator (200 in UK), Knighted in the Queen’s Birthday Honours 2013.

Brian Kingett

Brian qualified as an operating Department Practitioner in 1983 in London, he then moved to Devon qualifying as a Registered General Nurse in 1991, working in general theatres before specialising in ophthalmology. He was West of England Eye Unit Operating Theatre Manager from 1997 until 2009. During this time he developed a Practitioner led sub tenon local anaesthetic service for cataract surgery.

He developed a nurse led minor ocucl plastic service, expanding the type of procedures carried out by non medical practitioners

In 2009 he changed roles to become an Ophthalmic Specialist Practitioner, charged with leading the redesign of AMD services, looking at workforce utilization and improving patient pathways. This has led to the development of the first nurse led intravitreal injection service for AMD. Brian has worked with national bodies and organisations to promote this as a recognised new Advanced Practitioner role, working with other Hospital Trusts across the UK to set up similar services.

He is keen on the development and support for new and challenging roles for nurses and has presented these ideas at regional and national conferences.

Jane Kingett

Jane has been an Ophthalmic Nurse/Practitioner since 1986, having experience in Ophthalmic ward, outpatients, theatre and accident and emergency settings. She has undertaken the Manchester University Masters Level Degree modules in glaucoma assessment and management and has the Non Medical prescribing qualification.

She has worked as Lead Glaucoma Nurse Specialist at the West of England Eye Unit for 10 years, where she has developed the Glaucoma Shared Care Service from a technician led service to the current autonomous Practitioner led service. She has been actively involved in developing glaucoma services nationally. In 2003 she was part of the steering group for the East Devon Glaucoma Follow Up Care Project. In 2008 she was a member of the national Steering Group for the Do Once and Share Glaucoma Project. In October 2010 she led on the development of a Mobile Eye Clinic, the objective being to increase clinic capacity and take specialist services into the community. The service provides an additional 5000 appointments for glaucoma patients at 8 different sites across Devon. She now also works within the Macular Service, undertaking intravitreal anti VEGF injections, macular review clinics and working in consultant led glaucoma and macular clinics as an Advanced Practitioner.
Jan Kremers

Jan Kremers is a biologist with a background in systems’ neurobiology, electrophysiology, ophthalmology, and psychophysics, is Professor of Experimental Ophthalmology at the University of Erlangen-Nuremberg and has an Honorary Chair at the University of Tubingen. His doctorate was on photochemical retinal damage and he undertook research at the Max Planck Institute, The University of Tubingen and as Heisenberg Fellow, at the German Research Council in Bonn. He is Co-Founder and Vice-President of Rhenovia Pharma. His current research focuses on ultra-high resolution OCT, and cellular physiology and interactions in the visual pathways. He is Board Member at the International Color Vision Society and Documenta Ophthalmologica.

Phuc Lehoang

Dr Phuc Lehoang is Professor and Chair of Ophthalmology at La Pitie-Salpetriere Hospital at Pierre & Marie Curie University in Paris. His ophthalmology residency in different major departments of Ophthalmology in Paris was completed with an MSc in Biochemistry and an education at the Pasteur Institute of Paris led to a PhD in Immunology in 1979. He received his MD at Pitie-Salpetriere Paris Medical School in 1981. He was appointed as Professor of Ophthalmology in 1985 and thereafter spent a 14 month sabbatical period as Visiting Scientist at the National Eye Institute (NIH, Bethesda, USA), working with Dr R.B. Nussenblatt and Dr C.C. Chan.

Le Hoang has authored over 250 papers in peer reviewed journals as well as numerous book chapters and co-edited a textbook on uveitis with Prof. Bahram Bodaghi. He lectures all over the world and is an investigator on numerous research projects on the medical and surgical management of ocular inflammation. He has participated in the organization of several international meetings, served as the President of the International Ocular Inflammation Society (IOIS) from 2003 to 2011 and is currently the immediate past-President. He serves as Colonel (reserve) in the French army and received the Medal of Voluntary Military Services. A member of the French National Academy of Surgery, in recognition of his distinguished scholarly contributions to the education of ophthalmology he has been awarded the Chevalier et chevalier de l’Ordre des Palmes Académiques, and the Chevalier de la Legion d’Honneur in recognition of services to France.

Bart Leroy

Bart Leroy has been a staff member of the Department of Ophthalmology and the Center for Medical Genetics at the Ghent University Hospital, Belgium since 2001, and Associate Professor of Ophthalmic Genetics and Visual Electrophysiology at the Ghent University since 2009. Bart is also an attending physician at the Department of Ophthalmology and the Center for Cellular & Molecular Therapeutics at The Children’s Hospital of Philadelphia, USA.

Education: MD, Ghent University 1992; residency in clinical genetics & ophthalmology and fellowship in medical retina and visual electrophysiology, Ghent University & Ghent University Hospital, 1992-1998; fellowship in medical retina, inherited retinal diseases, visual electrophysiology and molecular genetics, Moorfields Eye Hospital & Institute of Ophthalmology 1998-2001; PhD Ghent University 2006.

Profile: Bart Leroy is an ophthalmologist and ophthalmic geneticist specialising in inherited eye disorders. His research mainly focuses on genetic eye disease and gene therapy, for which he received a Senior Clinical Investigator grant of the Research Foundation – Flanders (Belgium) from 2010 to 2015. He is co-recipient of 19 scientific grants and prizes. He is President-elect of the European Organisation for Vision & Eye Research.

Publications: Bart has authored 103 peer-reviewed publications, 99 posters and 189 scientific abstracts and has given 255 international scientific presentations. He has written 7 book chapters on genetic eye disease. He is a regular teacher at international courses on ophthalmic genetics and visual electrophysiology.

Chris Lloyd

Chris Lloyd became the first sub-specialist Consultant Paediatric Ophthalmologist in Manchester in 1995. He trained at St Bartholomew’s Hospital London, Manchester Royal Eye Hospital and at the Hospital for Sick Children, Great Ormond Street, London.

He and his colleagues have developed the Manchester paediatric eye service into a large tertiary referral unit. They now train 3 clinical fellows in paediatric ophthalmology per year.

Chris has written over 70 peer reviewed publications and 8 book chapters. He lectures nationally and internationally. He is President-elect of the European Organisation for Paediatric Ophthalmology and Strabismus. He received the University of Sydney’s Claffy medal in 2006 for his work in this area.

He has been a member of the Paediatric Sub-committee of the Royal College of Ophthalmologists for 9 years and is currently its Chairman.

Caroline J MacEwen

Caroline (Carrie) MacEwen is a Consultant Ophthalmologist at Ninewells Hospital and Medical School and Head of the Ophthalmology Department at the University of Dundee (Honorary Professor). She trained in Glasgow, Dundee and London. Her clinical interests lie in the field of strabismus and ocular motility after carrying out her subspecialty training at Moorfields Eye Hospital under the guidance of John Lee.

Research interests include epidemiology, paediatric naso-lacrimal disease, ophthalmic trauma, sports medicine, and clinical research on strabismus management.

Carrie has an interest in post-graduate education and is an associate postgraduate Dean in the East of Scotland. She represented the RCOpth in the development of the Faculty of Sport and Exercise Medicine (FSEM) and was a member of its founding council.

She is President of the Royal College of Ophthalmologists from May 2014.

Robert Lucas

BSc Biological Sciences University of York (1986-1989)
PhD Anatomical Science; University of London (1992-1996)
Post doctoral researcher, Department of Biology, Imperial College London (1996-2000)
Governers’ Lectureship, Faculty of Medicine, Imperial College London (2000-2003)
Senior Lecturer, Faculty of Life Sciences, University of Manchester (2003-2006)
Professor of Neurosceince, Faculty of Life Sciences, University of Manchester (2006-present)

Mr Mahmood is a consultant ophthalmologist specialising in medical retina. He graduated from Cambridge University in 1997. He joined Manchester Royal Eye Hospital as a senior house officer in 2000. He then stayed on to do his specialist registrar training from 2002-2006. He then developed his interest in retinal disease as a senior clinical and research fellow at Royal Liverpool University Hospital. In 2008 he was appointed as a consultant ophthalmologist in Manchester Royal Eye with subspecialist expertise in medical retina.

Since appointment Mr Mahmood has overseen the development of the macular treatment centre, a service which has seen rapid growth over the years and provides a high volume intravitreal injection service for all disease types. The service has expanded to include many more retinal consultants, trained optometrists and nurse injectors. Mr Mahmood is active in teaching and research and has lectured at national and international meetings on the subjects of age-related
macular degeneration, diabetic retinopathy and retinal vein occlusion. He has also been responsible for organizing postgraduate teaching for ophthalmic trainees and has run courses for optometrists, general practitioners and specialist colleagues.

Mr Mahmood is a member of the Royal College of Ophthalmologists and the American Academy of Ophthalmology. He holds an honorary clinical lectureship with the University of Manchester. He is on the Royal College of Ophthalmologists panel of assessors for certifying the eligibility for specialist registration.

Janet Marsden

Janet has been an ophthalmic nurse since completing training and finding that there were no jobs in ‘Casualty’. Her reluctant interest developed into a passion for ophthalmic nursing. With a foot in both ophthalmology and emergency practice, she has published extensively in both fields including two key ophthalmic nursing textbooks and many papers in areas of emergency care, ophthalmology and advanced practice in nursing. She is Consultant Editor of the International Journal of Ophthalmic Practice and an editor of ‘Emergency triage’ the textbook of the Manchester triage system, developed in Manchester and now widely used internationally. She chaired the Ophthalmic nursing forum of the Royal College of Nursing for a number of years, leading projects such as a wide ranging, aligned health profession collaboration on Continuing Professional Development and a competence framework for ophthalmic nursing which she introduced into Australia. She was awarded a Fellowship of the RCN in recognition of her work in ophthalmology and emergency nursing. With chairs in Ophthalmology and Emergency Care from Manchester Metropolitan University Janet leads the Centre for Effective Emergency Care (CEEC), a Masters degree in Emergency Medicine and retains roles in practice. She also has an honorary chair with City University and a strong international links in both emergency care and ophthalmology. She is a fellow of the Faculty of Emergency Nursing and member of the Medical Advisory Group of Orbis, for whom she undertakes regular international work and chairs their research strategy group. She is also a member of the Minstry of Defence Research Ethics Committee and vice chair of a local LREC.

Stephen Madill

Stephen Madill in a consultant ophthalmologist with a special interest in neuro-ophthalmology, based at the Princess Alexandra Eye Pavilion and the regional neurosciences unit within the Western General Hospital in Edinburgh. He also has a surgical interest in adult strabismus. Fellowship training in Neuro-Ophthalmology was at the Birmingham and Midlands Eye Centre. His MD thesis is based on work exploring the effect of visual hallucinations on visual processing, with particular reference to Charles Bonnet syndrome. He is actively involved in the education of ophthalmologists, neurologists and optometrists both locally and nationally and has recently completed a book chapter on the functional anatomy of the visual pathways for the Oxford University Press.

Keith Meek

Keith Meek is Professor and Chair of the Structural Biophysics Research Group at Cardiff University. After qualifying in Physics and Biophysics from Manchester University he moved to the Open University where he was a senior lecturer in Physics and Director of the Oxford Research Unit. In 1999 he moved his research group to Cardiff. Meek’s research programme encompasses a mixture of basic and applied science and the focus since 1979 has been on the structure of the corneal stroma and how this provides the tissue with its optical and mechanical properties. The work has led to over 150 peer reviewed publications in this field, over £10million in research funding and the award of a DSc degree in Biomedical Sciences from Manchester University in 2010. He has sat on all the governing bodies of Cardiff University, and on several national and international research councils and synchrotron radiation users committees. He is an invited Fellow of the Institute of Physics and was one of the first UK scientists to be awarded a Fellowship of ARVO.

Rita McLaughlan

Rita is an experienced ophthalmic nurse with a Master degree in health care and ophthalmic nursing. She has been at Manchester Royal Eye hospital for past 34 years and worked in all areas of ophthalmology. She was appointed as Vitreoretinal Nurse Practitioner in 1998 and is very active in research/audit and have published numerous publications in peer-reviewed journals and have presented at national and international ophthalmic nursing conferences, including the United States, and New Zealand. Having recently completed post graduate teacher training she regularly involves in the education of nursing staffs and training of ophthalmic nursing students at The University of Manchester. Her role is unique and involves working with patients with retinal disorders, and have challenges in making service more responsive to needs of health economy and improving patient care.

David McLeod

Educated at Burnley Grammar School and Edinburgh Medical School (1963-9), David trained in Ophthalmology in Edinburgh and at Moorfields Eye Hospital in London. He was appointed Consultant Surgeon to Moorfields in 1977 and helped develop the Ultrasound and Vitreoretinal Services as well as undertaking clinical and laboratory research. David resigned his Moorfields consultancy in 1988 (the first person to do so voluntarily) following his appointment to the long-vacated Chair in Ophthalmology at Manchester University. He was also appointed Honorary Consultant to the Royal Eye Hospital, and from 1991-4 was its first Clinical Director. Diabetic retinopathy was David’s principal clinical interest, but he also operated on several professional boxers (including Frank Bruno). He undertook wide-ranging research with Mike Boulton, Graeme Black, Paul Bishop, David Henson and Robert Harper, and in 1995 he instigated the first generic Masters Degree Course in the ophthalmic sciences worldwide (with Nathan Efron), attracting orthoptists and optometrists as well as ophthalmologists. David was Vice President of the Royal College of Ophthalmologists from 1997 till his resignation in 2001 following College hostility to proposed research in Manchester into Nurse Cataract Surgery. Since retiring in 2006, he enjoys playing golf and, with his wife Jeanette, dancing (yes, really) and entertaining their grandchildren.

Marco Miranda

Marco Miranda graduated with a degree (honours) in Optometry and Vision Sciences from Universidade do Minho (Minho University), Portugal, in February 2004. After a year and a half of working as an Optometrist in his native country, Marco came to the UK to do an MSc in Investigative Ophthalmology and Vision Sciences at the University of Manchester. After completion of the MSc (honours) Marco was awarded with the Ruskell Medal granted by the Worshipful Company of Spectacle Makers for his work performed during the masters. Marco went on to do a PhD at the University of Manchester, which he finished in 2010. He is currently a Research Associate at the University of Manchester and at the NIHR Biomedical Research Centre, Moorfields Eye Hospital NHS Foundation Trust and UCL Institute of Ophthalmology. Marco’s research interests concentrate on detection and monitoring of visual function and instrumentation. His current work focuses on using new technologies and strategies to reduce the error while measuring visual function, namely by creating tests which are more user friendly.

Philip Morgan

Philip Morgan is Professor of Optometry, Director of Eurolens Research and Program Director for Optometry at The University of Manchester, United Kingdom. His main research interests relate to the clinical performance of contact lenses and he teaches on the same subject area at undergraduate and postgraduate level. He has managed an international survey of contact lens prescribing trends since 1996.
Philip is vice-president of both the International Society for Contact Lens Research and the International Association of Contact Lens Educators. He is an honorary member of the UK Association of Contact Lens Manufacturers, a Fellow of the American Academy of Optometry and the British Contact Lens Association, and a member of the UK College of Optometrists. He is a past chairman and secretary of the Northern Optometric Society in Manchester, and is the co-ordinator of the UK optometry electronic mail forum. He has authored over 200 papers, primarily relating to the clinical performance of contact lenses and the nature of the UK and international contact lens markets, and has spoken about his work in 30 countries worldwide.

David Taylor
Born in Tasmania, returning to England in 1949, Liverpool Medical School in the 1960’s the city was alive with music, friends and fun. Just passed out of medical school, House jobs at the Liverpool Royal Infirmary. David and Anna married in Sussex in 1969. Sons Matthew and Nicholas and four grandchildren and interests in forestry, tennis, growing vegetables and sailing. A house job in St Paul’s Eye Hospital, an SHO job at Great Ormond Street Hospital (GOSH) followed by Moorfields Eye Hospital and an observership with Dr Marshall Parks in Washington DC, Mid-1976, appointed to GOSH and to the National Hospitals for Nervous Diseases, Queen Square (NHQS) and appointed to GOSH and to the National Hospitals for 21 years in ocular oncology, Falcon Eye Hospital, New South Wales.

Debra Morley
Debbie Morley is an ophthalmic trained nurse with 22 years experience. Debbie has worked at Manchester Royal Eye Hospital for a combined total of 21 years in inpatient and outpatient settings. Debbie has also worked in Australia in the eye emergency department at Sydney Eye Hospital, New South Wales.

Jane Mottershead
Jane Mottershead is an experienced ophthalmic nurse with a degree in health care and ophthalmic nursing. She is a 25 year veteran of the Manchester Royal Eye Hospital, having over the years, worked in all areas of ophthalmology. Jane was a pioneer in the development of the role of the specialist nurse at The Eye Hospital many years ago and is currently the glaucoma specialist nurse and has been for the past five years. Her particular interests with this group of patients are the challenges of adherence and patient information. She regularly contributes to the education and training of ophthalmic nursing students at The University of Manchester.

Magdy Moussa
Professor of Ophthalmology & vitreoretinal consultant, Faculty of Medicine, Tanta University, Egypt
Vice President of the vitreoretinal unit, and director of the medical retina unit
Chief of digital imaging and laser unit, Ophthalmology department, Faculty of Medicine, Tanta University, Egypt
Trained and graduated from Faculty of medicine, Tanta university with Prof. Dr. Research fellow at Cornell university medical college, NY USA from 1993 till 1995
Clinical training by Prof. Dr. Stanley Chang, Columbia University, New York
Board Member of the Egyptian vitreoretinal society
International Member of AAO
Presenting widely in the filed of diagnosis and management of retinal diseases

Ian Murray
Main area of interest is visual neuroscience. Have published widely in this area with over 120 refereed papers and a substantial citation index. Areas covered include electrophysiological investigation of the human electoretinogram and its link with colour coding in the retina, physiology of colour vision, early stage macular degeneration (AMD) and the development of new techniques and ophthalmic instruments. Co-inventor of the Macular Pigment Screener (MPS), a commercially available device which is patent protected and widely used in the US. Currently developing a method for rapid assessment of rod function which along with the MPS, is expected to aid in the management of early stage AMD. Conducting intervention trials of lutein and zeaxanthin supplementation to understand their possible impact in AMD.

Clare O'Donnell
Dr Clare O’Donnell is Head of Optegra Eye Sciences and Reader at Aston University. Clare is a registered optometrist with over 20 years clinical and academic experience. Clare studied Optometry in Glasgow and was later awarded a PhD and an MBA at Manchester University before taking an academic role there. She has advisory roles on various research projects. Clare is also an Examiner for the College of Optometrists and Topic Editor for the journal Optometry in Practice. Clare has published research papers and book chapters principally in the areas of anterior eye, ocular disease, vision correction and contact lenses. She has received research grants from various awarding bodies including the College of Optometrists, Ciba Vision, The University of Manchester Vision Centre, Lein Applied Diagnostics, UIMP and the NHS. She is a past recipient of the Irving Fatt Memorial Award and the Dallus Award of the BCLA.

Jane Olver
Jane Olver is a Consultant Ophthalmologist. Oculoplastic and Lacrimal Surgeon at Clinica London and Honorary Consultant at Imperial Healthcare NHS Trust. Her special interests are endoscopic endonasal lacrimal surgery, eyelid reconstruction and aesthetic rejuvenation of the peribital area. She trained at MREH, Southampton and Moorfields Eye Hospitals. She is the Medical Director of Clinica London, a Private Eye Clinic in central London. She was the Founding Secretary of the British Oculoplastic Surgery Society and the author of “Colour Atlas of Lacrimal Surgery”, Butterworth-Heinemann, 2002 and “Ophthalmology at a Glance”. Blackwell Publishing 2005 and 2014. She has written many publications on oculoplastic surgery in peer review journals.
Karen Partington
Karen started in the NHS as a Registered General Nurse, including at MREH, undertook several post qualification courses. The early part of her career was clinically based firstly as a ward sister and subsequently for a 3-year period on secondment to ICI to work as part of a hospital-based research team. Moving into general management she worked mainly in Manchester, where she was Hospital Manager at MREH, Liverpool and latterly Cumbria and Lancashire and in 2008 was appointed to the post of Chief Operating Officer at Lancashire Teaching Hospitals NHS Foundation Trust. Since September 2011 she has been Chief Executive of Lancashire Teaching Hospitals. She has become increasingly interested in the role and influence of the Foundation Trust Network at national level. She particularly wanted to make a contribution to work on the quality agenda and joined the FTN Quality Working Group, of which she is now Chair.

Karen is Chair of the Lancashire and South Cumbria Major Trauma Operational Delivery Network (ODN) Board and the Critical Care Network Board and is a member of the NICE Medical Technology Advisory Committee (MTAC). She is also a member of the North West Coast AHSN Board and Lancashire Health and Wellbeing Partnership Board.

Carlos E Pavesio
Consultant Ophthalmic Surgeon at Moorfields Eye Hospital in London since 1995 and currently Medical Retina Service Director. Medical Degree and Residency in Ophthalmology at Escola Paulista de Medicina in Brazil, followed by a fellowship in Ocular Inflammation at the Proctor Foundation in San Francisco and fellowships in External Diseases and Uveitis at Moorfields Eye Hospital. Also, Honorary Consultant Ophthalmologist at St Thomas’s Hospital in London and Clinical Lecturer at the Institute of Ophthalmology. Organiser of more than 10 Uveitis Courses and Symposia in the UK and abroad. Editor-in-chief for the Journal of Ophthalmic Inflammation and Infection, Session Editor for the BJO and reviewer for BJO, AJO, EYE, Ocular Immunology and Inflammation, Graefes Archives, International Ophthalmology amongst others. Member of IUSG, IOIS and member of the organising committee of the SOE.

Niall Patton
Niall Patton MD, FRCOphth is a Consultant Ophthalmologist, Cataract and Vitreoretinal Surgeon at the Manchester Royal Eye Hospital. He is also Director of the Manchester Vitreoretinal Fellowship Program for Internists/Ophthalmologists from around the world who visit Manchester Royal Eye Hospital to gain high level surgical and clinical expertise in the management of retinal disease. He graduated in Medicine from the University of Manchester in 1996. He completed his ophthalmic surgical training at the Manchester Royal Eye Hospital and the Princess Alexandra Eye Pavilion, Edinburgh. In addition, he has undertaken four years of specialist Vitreoretinal surgical fellowship training at the Lions Eye Institute, Australia, Princess Alexandra Eye Pavilion, Edinburgh, Tennant Eye Institute, Glasgow and Moorfield’s Eye Hospital, London. He was appointed as a Consultant at Manchester Royal Eye Hospital in 2008. In addition to his clinical expertise, he has completed ophthalmic research in a variety of different ophthalmic fields and has been successful in procuring research grants from the Royal College of Surgeons, Edinburgh. His research culminated in the award of a Doctorate from the University of Manchester in 2006. He has spoken at national and international ophthalmology meetings, including the United States, Australia, and Europe. In addition to 53 peer-reviewed publications in ophthalmic journals, he has also co-authored a chapter of a textbook and has served as a reviewer for major international ophthalmology journals, including Investigative Ophthalmology & Visual Science, Ophthalmology, Archives of Ophthalmology & Journal of Applied Physiology. His seminal manuscripts on retinal image analysis (Retinal image analysis: concepts, applications and potential: Patton et al, Prog Ret Eye Res 2006) has been cited 289 times. He has also served as a grant reviewer for the Wellcome Trust. He is currently active in research in vitreomacular interface disorders, particularly in relation to ocirplasmin therapy, small incision retinal surgery and long term macular hole surgical outcomes. He currently serves as a section editor for “Eye”, the journal of the Royal College of Ophthalmologists.

Sotiris Plainis
Sotiris Plainis completed his undergraduate studies in Optics and Optometry in Greece and UK. These were followed by postgraduate (MSc, 1995; PhD, 1999) and postdoctoral (1999-2001) research at the Department of Optometry and Vision Sciences, UMIST, UK. Since then he has been employed as a Principal Research Scientist at the Institute of Vision and Optics (IVO), University of Crete, being a faculty member of two postgraduate courses and having an active research group in visual psychophysics and electrophysiology. He is appointed as Honorary Lecturer at the University of Manchester. He forms a member of the Educational Committee of European Academy of Optometry and Optics (EAOCO), the Faculty of the Basic Optics course organised by the European Society of Cataract and Refractive Surgery (ESCORS) and a Fellow of the International Society for Contact Lens Research (ISCLR) and British Contact Lens Association (BCLA). He has published widely in his field (~ 50 manuscripts in peer-reviewed Journals) and is a reviewer of Postgraduate Scholarships of the British College of Optometry.

Liz Revington
Liz Revington is an experienced ophthalmic nurse and has worked at the Manchester Royal Eye Hospital for 28 years in various positions. Liz was one of the first Ophthalmic nurses to undertake practitioner training and went on to develop and support Ophthalmic Practitioner training both within the hospital and externally. Liz is currently working as a Emergency Nurse Practitioner and Non Medical Prescriber in the acute services of the Manchester Royal Eye Hospital. Liz also has a role as Patient Information SISTER which involves the production and co-ordination of written information on a wide range of conditions that are used to support patient education. Liz is passionate about Ophthalmic nursing and patient education and has written a number of condition specific information leaflets to support patients attending the Manchester Royal Eye Hospital.

Alan Ridgway
After training in Oxford, Cardiff and Birmingham I was appointed to MREH in 1974, introducing ophthalmic microsurgery and intraocular lens implantation while developing an interest in Paediatric Ophthalmology and squint. I was subsequently secretary of the International Intraocular Implant Society, promoting the development of lens implantation worldwide. I was active in teaching, both in the Orthoptic school and in SE Asia and...
examined and chaired the exams of the British Orthoptic Council as well as examining for the Diploma in Ophthalmology. I was for ten years the Délegue Britannique to the Société Française d’Ophthalmologie. While maintaining an interest and a busy clinic in Paediatric ophthalmology I also developed an interest in GD2 gangliosidosis and was involved in clinical and basic science research with a group of gifted and congenial associates including Andrew Tullo, Paul Bishop, Graeme Black and Keith Meek, eventually being listed among the authors of some 80+ refereed publications. While attending children suffering from blinding disorders I co-founded a parent self-help group, EyePerc, which was eventually incorporated into Henshaws Society for the Blind, where I remain a Trustee and chair their NE regional board. Otherwise retired, I grow Orchids and publish a regular newsletter for the North of England Orchid Society, the oldest such in the world.

Anthony G Robson

Anthony Robson graduated in Physiology in 1986 and worked in Clinical Neurophysiology before obtaining an MSc in Vision Sciences in 1995 and then a PhD at UMIST under the supervision of Professor Janus Kulikowski, working on the electrophysiological and psychophysical assessment of the colour pathways. After completing a 5-year post-doc with Professor Graham Holder funded by the Foundation Fighting Blindness, he was appointed as a Consultant Electrophysiologist at Moorfields Eye Hospital in 2005 and has been an Honorary Senior Lecturer at the UCL Inst. of Ophthalmology for the last 8 years. He has written or co-authored more than 100 publications and current research interests include clinical visual electrophysiology, genotypetype correlations and fundus autofluorescence imaging in retinal disease. He has maintained contact with colleagues in Manchester and continues to dabble with aspects of colour vision in collaboration with Professor Janus Kulikowski and Dr Neil Parry at the Manchester Royal Eye Hospital.

Fiona Rowe

Dr. Fiona Rowe qualified as an Orthoptist in 1990 and has maintained combined clinical and academic research activity since then. She currently is a senior lecturer in health services research at the University of Liverpool, an NIHR Research Fellow and the University of Liverpool, working at UMIST under the supervision of Professor Janus Kulikowski, working on the electrophysiological and psychophysical assessment of the colour pathways. After completing a 5-year post-doc with Professor Graham Holder funded by the Foundation Fighting Blindness, he was appointed as a Consultant Electrophysiologist at Moorfields Eye Hospital in 2005 and has been an Honorary Senior Lecturer at the UCL Inst. of Ophthalmology for the last 8 years. He has written or co-authored more than 100 publications and current research interests include clinical visual electrophysiology, genotypetype correlations and fundus autofluorescence imaging in retinal disease. He has maintained contact with colleagues in Manchester and continues to dabble with aspects of colour vision in collaboration with Professor Janus Kulikowski and Dr Neil Parry at the Manchester Royal Eye Hospital.

Robert Scott

Professor Robert Scott is a consultant ophthalmologist whose clinical interests are in vitreoretinal surgery and oculocaudal trauma. He qualified from the University of Edinburgh in 1986 and later completed an ophthalmology training in Dundee before undertaking additional training in vitreoretinal surgery at Moorfields Eye Hospital, London. He attained his FRCS (UK) in 1994 and FRCS (Edin) in 1997. He is a fellow of the Royal College of Surgeons of Edinburgh and has been awarded an honorary fellowship of the Royal Australian and New Zealand College of Ophthalmologists. He has been awarded the John J. Fall laboratory award for research at the American Society for Retina Research (2001) and was made an Honorary Fellow of the Royal Society of Medicine in 2004. He is a past President of the Association of Vitreoretinal Surgeons, the Society of British Vitreoretinal Surgeons, and the Association of Vitreoretinal Surgeons in Singapore. He is a member of the Scientific Committee of the Royal College of Ophthalmologists and the Royal College of Surgeons of Edinburgh. Since 1993, Prof. Stanga has worked in the development and application of new outpatient and surgical therapies and technologies. Current research interests are: pharmacological, surgical and laser treatment of proliferative diabetic retinopathy and macular oedema, laser-tissue interaction, development of vitreometry equipment and electronic retinal implants for artificial vision.

Giovanni Staurenghi

Giovanni Staurenghi is Professor of Ophthalmology at the Università degli Studi di Milano, and Chairman of the University Eye Clinic. In addition to ophthalmological clinical posts in Milan and Brescia he was a research fellow at the Scheepens Eye Research Institute at Harvard. He has researched extensively including the areas of AMD, retinitis pigmentosa and fundus imaging. He has been PI for more than 25 RCTs. He is a Board member of the European Macular Degeneration Research Programme, Scientific Board Member for Allergan, Pfizer and Heidelberg Engineering, and is on the editorial boards of Ophthalmologica and IOVS. He is President of the Italian Retinal Society.

Martyn H A Russell

Martyn Russell qualified as an Optometrist in 1984 at UMIST. He completed a PhD in Visual Psychophysics and Evoked Potentials in 1991 at UMIST. From 1991 to 2003 worked in private practice, Booth Hall and Northern/ North Manchester General Hospitals. From 2003 to present day, Principal Optometrist responsible for Core Services (Contact Lens, Low Vision and Refraction) and works in the Glaucoma Assessment clinic at MREH, CMFT.
Advisor, and Chairman and lead author of the RCOphth Guidelines on Glaucoma and Ocular Hypertension (1997 and 2004). In 2003 he chaired the UK Department of Health Working Party on Care Pathways in Glaucoma, and led the RCOphth response to the NICE glaucoma guidelines (2008/9) going on to lead the RCOphth team on the joint RCOphth and College of Optometrists Guidelines on referral for suspect glaucoma (2009/10). He is the current chair of the RCOphth International Medical Graduates Sub-Committee, and is an examiner for the College of Optometrists as well as the RCOphth. He is a past Chairman of the UK and Eire Glaucoma Society. He is an Honorary Professor at the University of Nottingham and in 2009 he was awarded an honorary fellowship of the College of Optometrists.

Mandagere Vishwanath

Mr Vishwanath is a Consultant Ophthalmologist specialising in the management of squints (adults and children) and neuro-ophthalmic diseases at the Manchester Royal Eye Hospital. He provides the final solution for many failed or complex squints with adjustable stitches or with botulinum toxin injection. In the field of neuro-ophthalmology he establishes the cause and provides treatment for many unexplained visual or eye problems. His expertise in ultrasound diagnosis of eye diseases is sought after by eye specialists in the region. He graduated in medicine from Mysore University, India in 1987. He did post graduate training in Ophthalmology in India. This was followed by higher specialist training in Wales and Manchester. He gained further subspecialist training in the fields of paediatric ophthalmology at Great Ormond Street Hospital, London, and in Strabismus and Neuro-Ophthalmology at Manchester and Liverpool. He has presented many scientific papers in national and international meetings. He has several publications in peer reviewed medical journals. He is a reviewer for the strabismus section of British Journal of Ophthalmology. He is an active member of International Strabismus Association, Societas Internationalis Pro Diagnostica Ultrasonica in Ophthalmologia, British and Irish Neuro-Ophthalmology Club.

Stephanie Watson

Stephanie Watson is a Clinical Professor and NHMRC Career Development Fellow at the Save Sight Institute, University of Sydney, Australia. She is a corneal and cataract specialist with appointments at the Sydney Eye Hospital, Prince of Wales Hospital, and Sydney Children’s Hospital.

Prof Watson leads a research program focused on innovative solutions for ocular surface disease and corneal surgery. She has published over 80 articles in high-ranked peer reviewed journals and book chapters, and holds international patents. Professor Watson has given close to 100 presentations at national and international meetings. Organisations that have funded her research programme include the NHMRC, ORIA, and Australian Stem Cell Centre. She is a Director of the Ophthalmic Research Institute of Australia and serves on international and national journal editorial boards. Professor Watson’s research work on stem cells for the cornea has been featured in the international, national and local news; including on the ABC programme, Catalyst and in the Qantas Inflight magazine. On the ABC’s New Inventors programme she was awarded the ‘Les is more’ grand final award, episode winner and people’s choice awards.

Helen Wilson

Helen Wilson studied Optometry at Aston University and graduated in 1995. Following graduation she fulfilled her Pre-registration year in the Optometry Department at MREH and qualified as an Optometrist in the summer of 1996. She went on to work in private practice for 2 years whilst maintaining a session at MREH. In 2008 she returned full time to the Optometry Department firstly as a senior Optometrist and later as a Principal Optometrist. She has a special interest in paediatric contact lens fitting as well as glaucoma, diabetic retinopathy and most recently working in the Acute Services department.
P1  Study on Diagnostic Methods in Eye Related Conditions from Tear Components
Noh, H
Seoul National University of Science and Technology, South Korea

P2  A Pilot Study Of Diabetic Retinopathy Education Training And Treatment (DRETT): 3-year Experience of a New Grading Centre in Bangladesh
Muqit, M.M.K1; Ahmad, J2; Husain, R3; Khetran, E.R4; Kourgialis, N5; Friedman, D.F6
1Moorfields Eye Hospital, United Kingdom; 2Chittagong Eye Infirmary and Training Complex, Bangladesh; 3Hellen Keller International, Bangladesh; 4Wilmer Eye Institute, John Hopkins Bloomberg School of Public Health, USA

P3  Advanced Practice in Ophthalmic Nursing; an International Continuum
Marsden, J
Manchester Metropolitan University, United Kingdom

P4  Get A Grip On Your Glaucoma!
Mottershead, J1; Brunton, L2; Richardson, C2; Fenerty, C3; Spencer, F4; Waterman, H5
1MREH, United Kingdom; 2Manchester University, United Kingdom

P5  Pascal Laser Peripheral Iridoplasty (PLPI): A Feasible Alternative To Argon Laser Peripheral Iridoplasty For Management Of Plateau Iris
Yu, JTS; Spencer, AF; Mercieca, K
Manchester Royal Eye Hospital, United Kingdom

P6  Conjunctival Compression Sutures: An Effective Method Of Addressing Hypotony After Trabeculectomy Or Trabeculectomy-related Procedures
Yu, JTS; Yuen, J; Mercieca, K; Au, L
Manchester Royal Eye Hospital, United Kingdom

P7  A Case Of Susac Syndrome
Muqit, M.M.K; Jones, N
Manchester Royal Eye Hospital, United Kingdom

P8  Temporal Wedge Visual Field Defect In Glaucoma
Patel, S; Harper, RA; Fenerty, CH
Manchester Royal Eye Hospital, United Kingdom

P9  The Impact Of Glaucoma Virtual Clinics On Outpatient Services
Ali, AA; Rahman, IR
Blackpool Victoria Hospital, United Kingdom

P10 Review Of Critical Incident Reporting In A Routine District General Hospital Ophthalmology Practice.
Chaturvedi, R1; Cascone, N2; Vasapilous, P3; Desai, A4; Moriarty, A5
1Manchester Royal Eye Hospital, United Kingdom; 2Stepping Hill Hospital, United Kingdom

P11  Suspected Raised Intracranial Pressure In The Absence Of Papilloedema In Children With Known Intracranial Pathology: How Helpful Is US-ONSD?
Houtman, A.C1; Japing, W J2
1Universitair Ziekenhuis Vrije Universiteit Brussel, Belgium; 2Universitair Medisch Centrum Groningen, Netherlands

P12  The Use Of Contact Lenses To Correct The Residual Refractive Error In Pseudophakic Infants At Manchester Royal Eye Hospital
Wilson, H; Ashworth, J; Tromans, C; Biswas, S; Lloyd, C
Manchester Royal Eye Hospital, United Kingdom

P13 A Retrospective Analysis Of All Patients Attending The Emergency Service Of Manchester Royal Eye Hospital.
Marsden, J1; Revington, E2
1Manchester Metropolitan University, United Kingdom; 2Manchester Royal Eye Hospital, United Kingdom

P14 Early Experiences Of Rituximab, Treatment Of Severe Thyroid Associated Orbitopathy
Yin, K1; Thampy, r; Higham, C2; Cook, A1
1Manchester Royal Eye Hospital, United Kingdom; 2The Christie NHS foundation trust, United Kingdom
P15 Outcomes Of Baerveldt Tubes In Adults At A Tertiary Referral Centre
Yau, CBK; Yin, K; Mustafa, S; Usmani, H; Agrawal, S; Nikita, E; Au, L; Spencer, AF; Fenerty, C
Manchester Royal Eye Hospital, United Kingdom

P16 Stereotactic Radiotherapy For Wet Macular Degeneration -- Case Series
Joseph, S; Patton, N; Mahmood, S; Aslam, T
MREH, United Kingdom

P17 Non-Mydriatic Fundus Imaging By Non-Medical Personnel – Role In Mass Screening Of Diabetic Retinopathy In A Developing Country
Thangavel, R1; Natarajan, S2
1Sri Manakula Vinayagar Medical College and Hospital, India; 2Aditya Jyot Eye Hospital, India

P18 The Use Of Comic Strips In Patient Leaflets In Paediatric Ophthalmology Outpatient Setting
Kwak, K1; Ashworth, J1; Lloyd, C1; Biswas, S1; Kim, H2
1Manchester Royal Eye Hospital, CMFT, United Kingdom; 2Kokooshop, Seoul, South Korea

P19 Agreement Btwn Specially Trained & Accredited Optometrists & Glaucoma Specialist Consultant Ophthalmologists In Their Management Of Glaucoma Patients
Marks, JR1; Harding, AK1; Harper, RA1; Williams, E1; Haque, S2; Spencer, AF3; Fenerty, C1
1Manchester Royal Eye Hospital, United Kingdom; 2Health & Population Sciences, University of Birmingham, United Kingdom

P20 Screening For Diabetic Retinopathy In Adults With Learning Disability: Current Uptake And Adjustments To Facilitate Equality Of Access.
Pilling, R F
Bradford Royal Infirmary, United Kingdom

P21 Do Your Patients Have Unwanted PPI?
Marks, JR; Tromans, C
Manchester Royal Eye Hospital, United Kingdom

P22 Phacoemulsification Cataract Surgery In Adults With Learning Disability: A Case Series And Reasonable Adjustments To Facilitate Surgical Success
Pilling, R F; Rostron, E
Bradford Royal Infirmary, United Kingdom

P23 Outcomes Of Cataract Surgery In Children With Uveitis
Chaudhry, N. L.; Yin, K; Biswas, S; Lloyd, I. C.; Ashworth, J

P24 Enhanced Depth Imaging Of The Choroid In Diabetic Macular Oedema.
Laude, A; Yip, VC; Wong, EP
National Healthcare Group Eye Institute, Singapore

Laude, A1; Ganesan, K2; Acharya, R3
1National Healthcare Group Eye Institute, Singapore; 2Department of ECE, Ngee Ann Polytechnic, Singapore

P26 Spectral Domain OCT and Fundus Autofluorescence in Early Syphilitic Placoid Retinitis
Innes, W; Jones, NP
Manchester Royal Eye Hospital, United Kingdom

P27 Turning the Tide for Documentation: An Improvement Journey
Lord, A; Gilligan, M
Manchester Royal Eye Hospital. Central Manchester healthcare NHS Foundation Trust, United Kingdom

P28 Mad Dogs And Englishman = CAOHS
Landers, J1; Henderson, T R M2; Craig, J1
1Department of Ophthalmology, Flinders Medical Centre, Adelaide, South Australia, Australia; 2Department of Ophthalmology, Alice Springs Hospital, Alice Springs, Northern Territory, Australia

P29 Real-time Polymerase Chain Reaction Using A Novel 529bp Fragment For The Diagnosis Of Atypical Ocular Toxoplasmosis
Steeples, LR1; Turner, A2; Guiver, M2; Jones, NP3
1Manchester Royal Eye Hospital, United Kingdom; 2Manchester Royal Infirmary, United Kingdom

P30 Ozurdex In The Wrong Places
Chhabra, R; Steeples, LR; Joseph, S; Mahmood, S
Manchester Royal Eye Hospital, United Kingdom

P31 Epidemiology Of Juvenile Idiopathic Arthritis-related Uveitis In A Referral Centre In Spain
de la Mata, G; González-Viejo, I; Ferrer-Novella, C; Pueyo, V; Bambo, MP
Miguel Servet University Hospital, Spain
P32 Regeneration Of Limbal Stem Cells With Transdifferentiated Dental Pulp Stem Cells. 
Shawcross, S1; Schumacker, N1; Carley, F1; Brahma, A2; Farzaneh, T1; Hillarby, MC1
1University of Manchester, United Kingdom; 2Manchester Royal Eye Hospital, United Kingdom
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1University of Manchester, United Kingdom; 2Future Health Biobank, Nottingham, United Kingdom
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1Manchester Royal Eye Hospital, United Kingdom; 2Warrington Hospital NHS Trust, United Kingdom
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1Manchester Royal Eye Hospital, United Kingdom; 2Great Ormond Street Hospital for Children, London, United Kingdom
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1Manchester Royal Eye Hospital, United Kingdom; 2Great Ormond Street Hospital for Children, London, United Kingdom
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1Universitair Ziekenhuis Vrije Universiteit Brussel, Belgium; 2Universitair Medisch Centrum Groningen, Netherlands
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1Manchester Royal Eye Hospital, United Kingdom; 2Manchester Royal Infirmary, United Kingdom

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1Manchester Royal Eye Hospital, United Kingdom; 2Blackpool Victoria Hospital, United Kingdom; 3University of Michigan Health System, USA; 4Royal Bolton Hospital NHS Foundation Trust, United Kingdom

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Centre for Myopia Research, School of Optometry, The Hong Kong Polytechnic University, Hong Kong SAR

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