Our services

- Hospital-based clinical research facility for early phase trials
- Advanced therapies and rare disease capability
- Medical and academic expertise in study design and consultancy
- Pre-clinical and clinical partnering and development
- Regulatory and ethical submissions and research management
- Accessible, large and diverse patient populations
- Informatic and data management
- Statistical expertise
- Fully integrated with UK research base

What makes us unique?

- Largest global clinical research centre dedicated to eyes and vision.
- All work underpinned by a quality management system.
- Consultant-led research in all disease areas supported by medical fellows.
- Capability to run bespoke and general paediatric studies.
- Strong support team to facilitate research trials including:
  - Specialist nurses
  - Optometrists
  - Photographers and technicians
  - Research/trial managers
  - Data support
  - Monitoring
  - Electro-diagnostics

- Governance expertise for all types of ophthalmic research
- Regulatory guidance and support for all drug, device and early and late-phase studies
- Successful track record of working with national and international collaborators
- Supporting studies from idea concept through to end of study
- Can advise and signpost at any stage of the research management process
- Collaboration with industry
- Partnership with UCL Institute of Ophthalmology and other academic partners
- Quality management system

Quality, regulatory and ethical submissions

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Moorfields Eye Hospital NHS Foundation Trust
162 City Road, London EC1V 2PD
Tel: 020 7253 3411
www.moorfields.nhs.uk
Moorfields research and innovation is redefining the frontiers of translational research, sitting right at the heart of a global network of knowledge, innovation and application in vision health. We work with the biggest and best names in the business, combining their world-leading ideas and brainpower with unparalleled patient access, uniting a global team of leaders, experts, institutions and clinicians all working together with a collaborative approach and sharing a common goal: to use our knowledge, insight and understanding to drive vision research.

Our goal is to improve patient care through the rapid translation of leading research innovations; innovating, managing and supporting trials across the vast spectrum of eye health. Our unique fusion of experience with cutting-edge innovation means we have a truly global reach, and our unrivalled experience in running trials and research projects – alongside leading facilities and technology – allows us to focus on always getting the very best results.

**Advanced therapies and rare disease**

- Our foremost goal is to deliver innovative research that translates from the lab through to practical improvements in visual health, quality of life and prosperity. Successful translation of research into clinics includes: the first human ocular gene therapy, novel therapies including stem cells and surgical techniques, new diagnostics, and discovery of the highest number of genes related to eye disease.
- Pioneering the use of autologous retinal pigment epithelium transplants for macular degeneration (Sphingomethanol, 2002). This work has set the stage for clinical trials for age-related macular degeneration (AMD) and has been set to become one of the first outcomes of this approach in humans.
- Stem cell, gene therapy and viral vector capability to support advanced therapy studies.
- Close links to regulatory authorities.
- Eye bank tissue facility provides access to donor tissues for transplantation and other uses.

**Medical and academic expertise in study design, partnering and consultancy**

- World-class excellence in basic research on eye disease at the UCL Institute of Ophthalmology (IoO). In the award to the UCL IoO of a Queen’s Anniversary Prize in 2012, the most prestigious form of national recognition open to a UK academic institution, attention was drawn to its outstanding reputation for excellence in furthering understanding of the eye and visual system, and its related disorders and diseases.
- Our teams of scientists and clinicians work effectively together: bibliometric analyses have showed us to have the strongest NHS-university collaborative partnership of any specialty in the United Kingdom, with 70% of highly cited Moorfields publications having UCL Institute of Ophthalmology co-authors.
- A great example of how we have taken basic biology from first-in-man to world-wide practice is the application of single-shot, anti-scarring therapy combined with improved surgical technique to reduce the visual morbidity of ocular scarring post glaucoma surgery. Following several large-scale clinical trials around the world this approach is now used on every continent.
- Expertise in clinical trial methodology in eyes and vision.
- Affiliation with Cochrane Group and London School of Hygiene and Tropical Medicine.
- Partnered with National Eye Institute USA.
- Many international collaborations with industry.
- Strategic link to the Crick Institute to drive translational ophthalmic research.
- Links to Med City promoting biomedical research in London and the south-east of England.

**Translational medicine and life-changing research in eyes and vision**

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Our unique fusion of experience with cutting-edge innovation means we have a truly global reach, and our unrivalled experience in running trials and research projects – alongside leading facilities and technology – allows us to focus on always getting the very best results.

We put the patient at the heart of everything we do in terms of world-leading research. What’s unique about us is that we are very human, and we put human values at the top of what we do.

**Professor Sir Peng Tee Khaw**

PhD FRCP FRCS FRCOphth FRCPath FCOptom Hon DSc FARVO FSB FMedSci
Professor of glaucoma and ocular healing, and consultant ophthalmic surgeon.

We want patients to have better treatment; we make sure the pathways work, and we put research as part of the beating heart of the Trust.

**Pioneering excellence**

Professor Sir Peng Tee Khaw
PhD FRCP FRCS FRCOphth FRCPath FCOptom Hon DSc, FRAMO PSB
MedSci Professor of glaucoma and ocular healing, and consultant ophthalmic surgeon.