

**Support throughout  
central vision loss**

## Macular Society Research Projects

### 2005 – 2016

**Total spend 2005 – 2016: £2,745,503**

<b>2005</b>		
A splice acceptor site mutation in the TIMP3 Gene which causes late onset Sorby's Fundus Dystrophy	Newcastle University Dr Norman McKie, Mr Mike Clarke, Zheng Li	£19,000
A survey of the mutation in ABCA4 in juvenile macular dystrophy	Moorfields / Institute of Ophthalmology, UCL Dr Andrew Webster	£37,000
Rehabilitation of reading by training in eccentric viewing in subjects with age related macular degeneration	Glasgow Caledonian University Professor Gordon Dutton John McLean	£10,000
		<b>Total £66,000</b>

**Helpline 0300 3030 111**

<b>2006</b>		
Identification of novel AMD genes by linkage disequilibrium mapping	University of Southampton Professor Andrew Lotery	£34,000
Development of an 'at home' eccentric viewing training programme	Moorfields / Institute of Ophthalmology, UCL Dr Michael Crossland	£16,500
Clinical assessment of the apparent motion photometry technique for measurement of macular pigment optical density	Aston University Dr Hannah Bartlett	£26,000
Biomarkers in gene-directed therapy of AMD	Kings College London Victor Chong	£30,000
		<b>Total £106,500</b>

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<b>2007</b>		
High density scanning of chromosome 4 for genetic causes of macular degeneration	University of Southampton Professor Andrew Lotery	£35,000
Identifying sources of satisfaction with eye clinics in patients with macular disease	Royal Holloway London Professor Clare Bradley	£30,000
Avoidance of falls: investigating affordances facilitating mobility and safety in people with AMD	Heriot-Watt University Professor Bal Dhillon	£30,000
Genetic factors in age-related macular degeneration	Cambridge University Professor John Yates	£20,500
Improving the treatment of age-related macular degeneration: providing new evidence base	London School of Hygiene and Tropical Medicine Dr Jennifer Evans	£23,000
		<b>Total £138,500</b>

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<b>2008</b>		
Non-drug treatments for visual hallucinations	Kings College London Dr Dominic ffytche	£38,000
Towards a therapeutic that prevents AMD: identification of molecules that bind differentially to the 402H and 402Y forms of the complement factor H	Manchester University Professor Paul Bishop	£43,000
London Project to Cure Blindness	University College London Professor Pete Coffey	£100,000
		<b>Total £181,000</b>

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<b>2009</b>		
Investigation of the TLR3 gene associated with atrophic AMD	Queens University Belfast Professor Usha Chakravarthy Dr Gareth McKay	£36,000
Evaluation of the effectiveness of training people in eccentric viewing techniques	Royal Holloway, University of London Professor Clare Bradley Dr Jan Mitchell	£40,000
Investigation into the prevalence of MD	St George's, University of London Dr Christopher Owen	£42,000
		<b>Total £118,000</b>

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<b>2010</b>		
Prevalence of AMD in the UK (category B): how many people are registered partially sighted or blind because of AMD	Moorfields Eye Hospital Dr Catey Bunce	£2,069
Living with AMD (i.e. AMD treatment regime)	University of Liverpool Dr Paul Knox	£35,000
Pharmacogenetic correlations in AMD	University of Southampton Professor Andrew Lotery	£42,900
Genetic Predictors of blood antioxidant levels and risk of AMD	London School of Hygiene and Tropical Medicine Professor Astrid Fletcher	£45,777
		<b>Total £125,746</b>

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<b>2011</b>		
A Low Cost National Secure Web-Based Online Referral System Accessible to PCs and Mobile Phones	Imperial College Healthcare NHS Trust Richard Cheong-Leen	£35,000
The use of massively-parallel polynucleotide sequencing to determine complete genomic DNA sequence of a region incorporating the ABCA4 gene in probands with inherited macular disease	Moorfields Eye Hospital Andrew Webster	£35,000
Surgical instruments and procedure for cell transplantation in AMD	University of Liverpool Dr Rachel Williams	£31,000
		<b>Total £101,000</b>

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<b>2012</b>		
The burden of care of wet AMD treatment regime on patients and care givers	Moorfields Eye Hospital Prof Sobha Sivaprasad	£35,000
Prevalence of AMD in elderly UK population (Bridlington Study)	Nottingham University Professor Winfried Amoaku	£67,000
Eccentric Viewing Literature Review	Cardiff University Dr Alison Binns	£17,500
Eccentric Viewing Evaluation	Manchester University Professor Christine Dickinson	£36,000
Health economic analysis of the cost effectiveness of using AREDS vitamins	Moorfields Eye Hospital Adnan Tufail	£8,240
		<b>Total £163,795</b>

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<b>2013</b>		
Assessing the feasibility of induced pluripotent stem cells to provide a disease model for age related macular degeneration	Newcastle University Prof. Majlinda Lako	£170,048
National Ophthalmology Database: national audit of neovascular age-related macular degeneration care in the UK	Cheltenham General Hospital Mr Rob Johnston	£80,000
Developing light as a tool for enhancing the functionality of human stem cell-derived RPE	University College London Dr Anthony Vugler	£113,298
Enhancing impaired visual perception using electronic visual aid systems	Newcastle University Patrick Degenaar	£6,021
Assessing the MD_evReader iPad app as a technological aid to enhance reading in macular disease	Royal Holloway, University of London Professor Robin Walker	£14,424
Experiences of Macular Disease: Follow up survey	Royal Holloway, University of London	£87,819
		<b>Total £471,610</b>

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<b>2014</b>		
Assessing retinal structure and function longitudinally in Stargardt disease using in-depth advanced phenotyping in preparation for planned therapeutic intervention	UCL Institute of Ophthalmology Mr Michel Michaelides	£168,606
Does higher macular pigment optical density preserve scotopic visual function in intermediate age-related macular degeneration?	University of Ulster Dr Raymond Beirne	£42,428
An investigation into how eccentric viewing training may facilitate wayfinding and outdoor mobility in the built environment for people with age-related macular degeneration	Heriot-Watt University Josie Grant	£10,000
Establishment of a national eye tissue archive for AMD research	University of Manchester Prof Paul Bishop	£166,602
Using induced pluripotent stem cells to investigate Bests Associated macular degeneration	UCL Institute of Ophthalmology Dr Amanda Carr	£170,000
		<b>Total £557,636</b>

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<b>2015</b>		
PhD Reticular pseudodrusen in age-related macular degeneration: a population based study	Queens University Belfast Dr Ruth Hogg	£82,194
PhD Study of molecular mechanisms driving RPE dysfunction in patients from different stages of AMD and cellular rescue as a potential future therapy	University of Southampton Dr Arjuna Ratnayaka	£94,204
Realising the potential of the UK Biobank Research Resource	UCL Institute of Ophthalmology Prof Paul Foster	£53,510
Modulating mitochondrial dynamics in the RPE as a therapeutic strategy for macular dystrophies	University of Wisconsin-Madison Dr Aparna Lakkaraju	£126,000
		<b>Total £355,908</b>

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<b>2016</b>		
PhD Role of a cytokine and its epigenetic regulation in the pathogenesis of AMD	University of Bristol Professor Andrew Dick	£99,088
Gene editing of AMD risk factor in RPE cells: could modulation of proteolytic control lead to new therapeutic interventions for AMD?	University of Liverpool Professor Luminita Paraoan	£167,722
Treating visual hallucinations in people with macular degeneration: a non-invasive stimulation study	Newcastle University Dr John-Paul Taylor	£92,998
		<b>Total £359,808</b>

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