

<https://doi.org/10.1038/s41467-018-07819-1>

OPEN

# Author Correction: Cross-ancestry genome-wide association analysis of corneal thickness strengthens link between complex and Mendelian eye diseases

Adriana I. Iglesias  et al.<sup>#</sup>

Correction to: *Nature Communications* <https://doi.org/10.1038/s41467-018-03646-6>; published online 14 May 2018

Emmanuelle Souzeau, who contributed to analysis of data, was inadvertently omitted from the author list in the originally published version of this Article. This has now been corrected in both the PDF and HTML versions of the Article.

Published online: 08 January 2019



**Open Access** This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons license, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons license, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons license and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this license, visit <http://creativecommons.org/licenses/by/4.0/>.






© The Author(s) 2019

---

Adriana I. Iglesias <sup>1,2,3</sup>, Aniket Mishra<sup>4</sup>, Veronique Vitart<sup>5</sup>, Yelena Bykhovskaya<sup>6,7</sup>, René Höhn<sup>8,9</sup>, Henriët Springelkamp<sup>1</sup>, Gabriel Cuellar-Partida<sup>10</sup>, Puya Gharahkhani <sup>10</sup>, Jessica N. Cooke Bailey <sup>11,12</sup>, Colin E. Willoughby<sup>13,14</sup>, Xiaohui Li <sup>15,16</sup>, Seyhan Yazar<sup>5,17</sup>, Abhishek Nag<sup>18</sup>, Anthony P. Khawaja <sup>19,20</sup>, Ozren Polašek<sup>21</sup>, David Siscovick<sup>22,23</sup>, Paul Mitchell<sup>24</sup>, Yih Chung Tham<sup>25</sup>, Jonathan L. Haines <sup>11,12</sup>, Lisa S. Kearns<sup>26</sup>, Caroline Hayward <sup>5</sup>, Yuan Shi<sup>25</sup>, Elisabeth M. van Leeuwen<sup>1</sup>, Kent D. Taylor<sup>15,16</sup>, Blue Mountains Eye Study - GWAS group, Pieter Bonnemaier <sup>1</sup>, Jerome I. Rotter<sup>15,16</sup>, Nicholas G. Martin<sup>27</sup>, Tanja Zeller<sup>28,29</sup>, Richard A. Mills<sup>30</sup>, Emmanuelle Souzeau <sup>30</sup>, Sandra E. Staffieri <sup>26</sup>, Jost B. Jonas <sup>31</sup>, Irene Schmidtman<sup>32</sup>, Thibaud Boutin<sup>5</sup>, Jae H. Kang <sup>33</sup>, Sionne E.M. Lucas<sup>34</sup>, Tien Yin Wong<sup>25,35,36</sup>, Manfred E. Beutel<sup>37</sup>, James F. Wilson <sup>5,38</sup>, NEIGHBORHOOD consortium, Wellcome Trust Case Control Consortium 2 (WTCCC2), André G. Uitterlinden<sup>2,39,40</sup>, Eranga N. Vithana<sup>25</sup>, Paul J. Foster <sup>20</sup>, Pirro G. Hysi <sup>18</sup>, Alex W. Hewitt <sup>26,41</sup>, Chiea Chuen Khor <sup>42</sup>, Louis R. Pasquale <sup>33,43</sup>, Grant W. Montgomery <sup>27,44</sup>,

---

Correspondence and requests for materials should be addressed to S.M. (email: [Stuart.MacGregor@qimrberghofer.edu.au](mailto:Stuart.MacGregor@qimrberghofer.edu.au)). <sup>#</sup>A full list of authors and their affiliations appears at the end of the paper.

Caroline C.W. Klaver <sup>1,2,45</sup>, Tin Aung<sup>25,35,36</sup>, Norbert Pfeiffer<sup>8</sup>, David A. Mackey<sup>17</sup>,  
Christopher J. Hammond <sup>18</sup>, Ching-Yu Cheng<sup>25,35,36</sup>, Jamie E. Craig<sup>30</sup>, Yaron S. Rabinowitz<sup>6,7</sup>,  
Janey L. Wiggs <sup>43</sup>, Kathryn P. Burdon <sup>34</sup>, Cornelia M. van Duijn<sup>2</sup> & Stuart MacGregor <sup>10</sup>

<sup>1</sup>Department of Ophthalmology, Erasmus Medical Center, 3000 CA Rotterdam, The Netherlands. <sup>2</sup>Department of Epidemiology, Erasmus Medical Center, 3000 CA Rotterdam, The Netherlands. <sup>3</sup>Department of Clinical Genetics, Erasmus Medical Center, 3000 CA Rotterdam, The Netherlands. <sup>4</sup>University of Bordeaux, Bordeaux Population Health Research Center, INSERM UMR 1219, F-33000 Bordeaux, France. <sup>5</sup>Institute of Genetics and Molecular Medicine, Medical Research Council Human Genetics Unit, University of Edinburgh, Edinburgh EH42XU, UK. <sup>6</sup>Regenerative Medicine Institute and Department of Surgery, Cedars-Sinai Medical Center, Los Angeles, CA 90048, USA. <sup>7</sup>Cornea Genetic Eye Institute, Los Angeles, CA 90048, USA. <sup>8</sup>Department of Ophthalmology, University Medical Center Mainz, 55131 Mainz, Germany. <sup>9</sup>Department of Ophthalmology, Inselspital, University Hospital Bern, University of Bern, CH-3010 Bern, Switzerland. <sup>10</sup>Statistical Genetics, QIMR Berghofer Medical Research Institute, Brisbane, QLD 4029, Australia. <sup>11</sup>Department of Population and Quantitative Health Sciences, Case Western Reserve University, Cleveland, OH 44106, USA. <sup>12</sup>Institute for Computational Biology, Case Western Reserve University, Cleveland, OH 44106, USA. <sup>13</sup>Biomedical Sciences Research Institute, Ulster University, Belfast, Northern Ireland BT52 1SA, UK. <sup>14</sup>Royal Victoria Hospital, Belfast Health and Social Care Trust, Belfast, Northern Ireland BT12 6BA, UK. <sup>15</sup>Institute for Translational Genomics and Population Sciences and Department of Pediatrics, Los Angeles Biomedical Research Institute at Harbor-UCLA Medical Center, Torrance, CA 90509, USA. <sup>16</sup>Division of Genomic Outcomes, Departments of Pediatrics and Medicine, Harbor-UCLA Medical Center, Torrance, CA 90502, USA. <sup>17</sup>Centre for Ophthalmology and Visual Science, University of Western Australia, Lions Eye Institute, Perth, WA WA 6009, Australia. <sup>18</sup>Department of Twin Research and Genetic Epidemiology, King's College London, London WC2R 2LS, UK. <sup>19</sup>Department of Public Health and Primary Care, Institute of Public Health, University of Cambridge School of Clinical Medicine, Cambridge CB2 0SR, UK. <sup>20</sup>NIHR Biomedical Research Centre, Moorfields Eye Hospital NHS Foundation Trust and UCL Institute of Ophthalmology, London EC1V 9EL, UK. <sup>21</sup>Faculty of Medicine, University of Split, HR-21000 Split, Croatia. <sup>22</sup>Departments of Medicine and Epidemiology and Cardiovascular Health Research Unit, University of Washington, Washington, WA 98101, USA. <sup>23</sup>The New York Academy of Medicine, New York, NY 10029, USA. <sup>24</sup>Centre for Vision Research, Department of Ophthalmology and Westmead Institute for Medical Research, University of Sydney, Sydney, NSW 2145, Australia. <sup>25</sup>Singapore Eye Research Institute, Singapore National Eye Centre, Singapore 168751, Singapore. <sup>26</sup>Centre for Eye Research Australia, University of Melbourne, Royal Victorian Eye and Ear Hospital, East Melbourne, VIC 3002, Australia. <sup>27</sup>Department of Genetics and Computational Biology, QIMR Berghofer Medical Research Institute, Brisbane QLD 4029, Australia. <sup>28</sup>Department of General and Interventional Cardiology, University Heart Center Hamburg, 20251 Hamburg, Germany. <sup>29</sup>German Center for Cardiovascular Research (DZHK), Partner Site Hamburg/Kiel/Lübeck, 20246 Hamburg, Germany. <sup>30</sup>Department of Ophthalmology, Flinders University, Adelaide SA 5042, Australia. <sup>31</sup>Department of Ophthalmology, Medical Faculty Mannheim of the Ruprecht-Karls-University of Heidelberg, 68167 Mannheim, Germany. <sup>32</sup>Institute for Medical Biostatistics, Epidemiology and Informatics, University Medical Center Mainz, 55131 Mainz, Germany. <sup>33</sup>Channing Division of Network Medicine, Brigham and Women's Hospital, Boston, MA 02115, USA. <sup>34</sup>Menzies Institute for Medical Research, University of Tasmania, Hobart, TAS 7005, Australia. <sup>35</sup>Ophthalmology & Visual Sciences Academic Clinical Program (Eye ACP), Duke-NUS Medical School, Singapore 169857, Singapore. <sup>36</sup>Department of Ophthalmology, Yong Loo Lin School of Medicine, National University of Singapore, Singapore 117549, Singapore. <sup>37</sup>Department of Psychosomatic Medicine and Psychotherapy, University Medical Center Mainz, Mainz 55131, Germany. <sup>38</sup>Centre for Global Health Research, Usher Institute for Population Health Sciences and Informatics, University of Edinburgh, Edinburgh EH16 4UX, UK. <sup>39</sup>Department of Internal Medicine, Erasmus Medical Center, 3000 CA Rotterdam, The Netherlands. <sup>40</sup>Netherlands Consortium for Healthy Ageing, Netherlands Genomics Initiative, 2593 HW The Hague, The Netherlands. <sup>41</sup>School of Medicine, Menzies Institute for Medical Research, University of Tasmania, Hobart, TAS 7005, Australia. <sup>42</sup>Genome Institute of Singapore, 60 Biopolis Street, Singapore 138672, Singapore. <sup>43</sup>Department of Ophthalmology, Harvard Medical School and Massachusetts Eye and Ear Infirmary, Boston, MA 02114, USA. <sup>44</sup>Institute for Molecular Bioscience, University of Queensland, Brisbane QLD 4067, Australia. <sup>45</sup>Department of Ophthalmology, Radboud University Medical Center, 6525 GA Nijmegen, The Netherlands. These authors contributed equally: Adriana I. Iglesias, Aniket Mishra, Veronique Vitart. These authors jointly supervised this work: Jamie E. Craig, Yaron S. Rabinowitz, Janey L. Wiggs, Kathryn P. Burdon, Cornelia M. van Duijn, Stuart MacGregor.

### Blue Mountains Eye Study - GWAS group

Jie Jin Wang<sup>24</sup>, Elena Rohtchina<sup>24</sup>, John Attia<sup>46</sup>, Rodney Scott<sup>46</sup>, Elizabeth G. Holliday<sup>46</sup>, Tien Yin Wong<sup>26</sup>,  
Paul N. Baird<sup>26</sup>, Jing Xie<sup>26</sup>, Michael Inouye<sup>47</sup>, Ananth Viswanathan<sup>20</sup> & Xueling Sim<sup>36</sup>

<sup>46</sup>University of Newcastle, Newcastle, NSW 2308, Australia. <sup>47</sup>Walter and Eliza Hall Institute of Medical Research, Melbourne, VIC 3052, Australia

### NEIGHBORHOOD consortium

R. Rand Allingham<sup>48</sup>, Murray H. Brilliant<sup>49</sup>, Donald L. Budenz<sup>50</sup>, William G. Christen<sup>51</sup>, John Finger<sup>52,53</sup>,  
David S. Friedman<sup>54</sup>, Douglas Gaasterland<sup>55</sup>, Terry Gaasterland<sup>56</sup>, Michael A. Hauser<sup>48,57</sup>, Peter Kraft<sup>58</sup>,  
Richard K. Lee<sup>59</sup>, Paul R. Lichter<sup>60</sup>, Yutao Liu<sup>48,57</sup>, Stephanie J. Loomis<sup>43</sup>, Sayoko E. Moroi<sup>60</sup>,  
Margaret A. Pericak-Vance<sup>61</sup>, Anthony Realini<sup>62</sup>, Julia E. Richards<sup>60</sup>, Joel S. Schuman<sup>63</sup>, William K. Scott<sup>61</sup>,  
Kuldev Singh<sup>64</sup>, Arthur J. Sit<sup>65</sup>, Douglas Vollrath<sup>66</sup>, Robert N. Weinreb<sup>67</sup>, Gadi Wollstein<sup>63</sup>,  
Donald J. Zack<sup>54</sup> & Kang Zhang<sup>67</sup>

<sup>48</sup>Department of Ophthalmology, Duke University Medical Center, Durham, NC 27705, USA. <sup>49</sup>Center for Human Genetics, Marshfield Clinic Research Foundation, Marshfield, WI, USA. <sup>50</sup>Department of Ophthalmology, University of North Carolina, Chapel Hill, NC 27517, USA. <sup>51</sup>Department of Medicine, Brigham and Women's Hospital, Boston, MA 02114, USA. <sup>52</sup>Department of Ophthalmology, College of Medicine, University of Iowa, Iowa City, IA 52242, USA. <sup>53</sup>Department of Anatomy/Cell Biology, College of Medicine, University of Iowa, Iowa City, IA 52242, USA. <sup>54</sup>Wilmer Eye Institute, Johns Hopkins University, Baltimore, MD 21287, USA. <sup>55</sup>Eye Doctors of Washington, Chevy Chase, MD 20815, USA. <sup>56</sup>Scripps Genome Center, University of California at San Diego, San Diego, CA 92037, USA. <sup>57</sup>Department of Medicine, Duke University Medical Center, Durham, NC 27710, USA. <sup>58</sup>Department of Biostatistics, Harvard School of Public Health, Boston, MA 02115, USA. <sup>59</sup>Bascom Palmer Eye Institute, University of Miami Miller School of Medicine, Miami, FL 33136, USA. <sup>60</sup>Department of Ophthalmology and Visual Sciences, University of Michigan, Ann Arbor, MI 48105, USA. <sup>61</sup>Institute for Human Genomics, University of Miami Miller School of Medicine, Miami, FL 33136, USA. <sup>62</sup>Department of Ophthalmology, WVU Eye Institute, Morgantown, WV 26506, USA. <sup>63</sup>Department of Ophthalmology, UPMC Eye Center, University of Pittsburgh, Pittsburgh, PA 15213, USA. <sup>64</sup>Department of Ophthalmology, Stanford University, Palo Alto, CA 94303, USA. <sup>65</sup>Department of Ophthalmology, Mayo Clinic, Rochester, MN 55905, USA. <sup>66</sup>Department of Genetics, Stanford University, Palo Alto, CA 94305, USA. <sup>67</sup>Department of Ophthalmology, Hamilton Eye Center, University of California, San Diego, CA 92093, USA

## Wellcome Trust Case Control Consortium 2 (WTCCC2)

Peter Donnelly<sup>68,69</sup>, Ines Barroso<sup>70</sup>, Jenefer M. Blackwell<sup>71,72</sup>, Elvira Bramon<sup>73</sup>, Matthew A. Brown<sup>74</sup>, Juan P. Casas<sup>75,76</sup>, Aiden Corvin<sup>77</sup>, Panos Deloukas<sup>70</sup>, Audrey Duncanson<sup>78</sup>, Janusz Jankowski<sup>79,80,81</sup>, Hugh S. Markus<sup>82</sup>, Christopher G. Mathew<sup>83</sup>, Colin N.A. Palmer<sup>84</sup>, Robert Plomin<sup>85</sup>, Anna Rautanen<sup>68</sup>, Stephen J. Sawcer<sup>86</sup>, Richard C. Trembath<sup>83</sup>, Nicholas W. Wood<sup>87</sup>, Chris C.A. Spencer<sup>68</sup>, Gavin Band<sup>68</sup>, Céline Bellenguez<sup>68</sup>, Colin Freeman<sup>68</sup>, Garrett Hellenthal<sup>68</sup>, Eleni Giannoulatou<sup>68</sup>, Matti Pirinen<sup>68</sup>, Richard Pearson<sup>68</sup>, Amy Strange<sup>68</sup>, Zhan Su<sup>68</sup>, Damjan Vukcevic<sup>68</sup>, Cordelia Langford<sup>70</sup>, Sarah E. Hunt<sup>70</sup>, Sarah Edkins<sup>70</sup>, Rhian Gwilliam<sup>70</sup>, Hannah Blackburn<sup>70</sup>, Suzannah J. Bumpstead<sup>70</sup>, Serge Dronov<sup>70</sup>, Matthew Gillman<sup>70</sup>, Emma Gray<sup>70</sup>, Naomi Hammond<sup>70</sup>, Alagurevathi Jayakumar<sup>70</sup>, Owen T. McCann<sup>70</sup>, Jennifer Liddle<sup>70</sup>, Simon C. Potter<sup>70</sup>, Radhi Ravindrarajah<sup>70</sup>, Michelle Ricketts<sup>70</sup>, Matthew Waller<sup>70</sup>, Paul Weston<sup>70</sup>, Sara Widaa<sup>70</sup> & Pamela Whittaker<sup>70</sup>

<sup>68</sup>Wellcome Trust Centre for Human Genetics, University of Oxford, Roosevelt Drive, Oxford OX37BN, UK. <sup>69</sup>Dept Statistics, University of Oxford, Oxford OX1 3TG, UK. <sup>70</sup>Wellcome Trust Sanger Institute, Wellcome Trust Genome Campus, Hinxton, Cambridge CB10 1SA, UK. <sup>71</sup>Telethon Institute for Child Health Research, Centre for Child Health Research, University of Western Australia, 100 Roberts Road, Subiaco, WA 6008, Australia. <sup>72</sup>Cambridge Institute for Medical Research, University of Cambridge School of Clinical Medicine, Cambridge CB2 0XY, UK. <sup>73</sup>Department of Psychosis Studies, NIHR Biomedical Research Centre for Mental Health at the Institute of Psychiatry, King's College London and The South London and Maudsley NHS Foundation Trust, Denmark Hill, London SE5 8AF, UK. <sup>74</sup>University of Queensland Diamantina Institute, Brisbane, QLD 4102, Australia. <sup>75</sup>Dept Epidemiology and Population Health, London School of Hygiene and Tropical Medicine, London WC1E 7HT, UK. <sup>76</sup>Dept Epidemiology and Public Health, University College London, London WC1E 6BT, UK. <sup>77</sup>Neuropsychiatric Genetics Research Group, Institute of Molecular Medicine, Trinity College Dublin, Dublin 2, Eire, Ireland. <sup>78</sup>Molecular and Physiological Sciences, The Wellcome Trust, London NW1 2BE, UK. <sup>79</sup>Department of Oncology, Old Road Campus, University of Oxford, Oxford OX3 7DQ, UK. <sup>80</sup>Digestive Diseases Centre, Leicester Royal Infirmary, Leicester LE7 7HH, UK. <sup>81</sup>Centre for Digestive Diseases, Queen Mary University of London, London E1 2AD, UK. <sup>82</sup>Clinical Neurosciences, St George's University of London, London SW17 0RE, UK. <sup>83</sup>King's College London Dept Medical and Molecular Genetics, King's Health Partners, Guy's Hospital, London SE1 9RT, UK. <sup>84</sup>Biomedical Research Centre, Ninewells Hospital and Medical School, Dundee DD1 9SY, UK. <sup>85</sup>King's College London Social, Genetic and Developmental Psychiatry Centre, Institute of Psychiatry, Denmark Hill, London SE5 8AF, UK. <sup>86</sup>University of Cambridge Dept Clinical Neurosciences, Addenbrooke's Hospital, Cambridge CB2 0QQ, UK. <sup>87</sup>Dept Molecular Neuroscience, Institute of Neurology, Queen Square, London WC1N 3BG, UK