

2023-09-13

Author Correction: Elucidating causative gene variants in hereditary Parkinson's disease in the Global Parkinson's Genetics Program (GP2)

Lange, LM

<https://pearl.plymouth.ac.uk/handle/10026.1/21803>

10.1038/s41531-023-00560-7

npj Parkinson's Disease

Springer Science and Business Media LLC

All content in PEARL is protected by copyright law. Author manuscripts are made available in accordance with publisher policies. Please cite only the published version using the details provided on the item record or document. In the absence of an open licence (e.g. Creative Commons), permissions for further reuse of content should be sought from the publisher or author.

AUTHOR CORRECTION OPEN



Author Correction: Elucidating causative gene variants in hereditary Parkinson's disease in the Global Parkinson's Genetics Program (GP2)

Lara M. Lange , Micol Avenali, Melina Ellis, Anastasia Illarionova , Ignacio J. Keller Sarmiento , Ai-Huey Tan , Harutyun Madoev, Caterina Galandra, Johanna Junker, Karisha Roopnarain, Justin Solle, Claire Wegel, Zih-Hua Fang , Peter Heutink , Kishore R. Kumar , Shen-Yang Lim, Enza Maria Valente , Mike Nalls, Cornelis Blauwendraat , Andrew Singleton , Niccolo Mencacci, Katja Lohmann, Christine Klein and the Global Parkinson's Genetic Program (GP2)*

npj Parkinson's Disease (2023)9:133; <https://doi.org/10.1038/s41531-023-00560-7>

Correction to: *npj Parkinson's Disease* <https://doi.org/10.1038/s41531-023-00526-9>, published online 27 June 2023

In this article the Global Parkinson's Genetics Program (GP2) members names and affiliations were missing in the main author list of the Original article which are listed in the below.

Emilia M. Gatto¹⁸, Marcelo Kauffman¹⁹, Samson Khachatryan²⁰, Zaruhi Tavadyan²⁰, Claire E. Shepherd²¹, Julie Hunter²², Kishore Kumar²³, Melina Ellis²⁴, Miguel E. Rentería²⁵, Sulev Koks²⁶, Alexander Zimprich²⁷, Artur F. Schumacher-Schuh²⁸, Carlos Rieder²⁹, Paula Saffie Awad³⁰, Vitor Tumas³¹, Sarah Camargos³², Edward A. Fon³³, Oury Monchi³⁴, Ted Fon³⁵, Benjamin Pizarro Galleguillos³⁶, Marcelo Miranda³⁷, Maria Leonor Bustamante³⁸, Patricio Olguin³⁶, Pedro Chana³⁹, Beisha Tang⁴⁰, Huifang Shang⁴¹, Jifeng Guo⁴², Piu Chan⁴³, Wei Luo⁴⁴, Gonzalo Arboleda⁴⁵, Jorge Orozco⁴⁶, Marlene Jimenez del Rio⁴⁷, Alvaro Hernandez⁴⁸, Mohamed Salama⁴⁹, Walaa A. Kamel⁵⁰, Yared Z. Zewde⁵¹, Alexis Brice⁵², Jean-Christophe Corvol⁵³, Ana Westenberg⁵⁴, Anastasia Illarionova⁵⁵, Brit Mollenhauer⁵⁶, Christine Klein⁵⁴, Eva-Juliane Vollstedt⁵⁴, Franziska Hopfner⁵⁷, Günter Höglinger⁵⁸, Harutyun Madoev⁵⁴, Joanne Trinh⁵⁴, Johanna Junker⁵⁴, Katja Lohmann⁵⁴, Lara M. Lange⁵⁹, Manu Sharma⁶⁰, Sergio Groppa⁶¹, Thomas Gasser⁶⁰, Zih-Hua Fang⁶², Albert Akpalu⁶³, Georgia Xiomerisiou⁶⁴, Georgios Hadjigorgiou⁶⁴, Ioannis Dagklis⁶⁵, Ioannis Tarnanas⁶⁶, Leonidas Stefanis⁶⁷, Maria Stamelou⁶⁸, Efthymios Dadiotis⁶⁴, Alex Medina⁶⁹, Germaine Hiu-Fai Chan⁷⁰, Nancy Ip⁷¹, Nelson Yuk-Fai Cheung⁷⁰, Phillip Chan⁷¹, Xiaopu Zhou⁷¹, Asha Kishore⁷², Divya KP⁷³, Pramod Pal⁷⁴, Prashanth Lingappa Kukkule⁷⁵, Roopa Rajan⁷⁶, Rupam Borgohain⁷⁷, Mehri Salari⁷⁸, Andrea Quattrone⁷⁹, Enza Maria Valente⁸⁰, Lucilla Parnetti⁸¹, Micol Avenali⁸⁰, Tommaso Schirinzi⁸², Manabu Funayama⁸³, Nobutaka Hattori⁸⁴, Tomotaka Shiraishi⁸⁵, Altyunay Karimova⁸⁶, Gulnaz Kaishibayeva⁸⁶, Cholpon Shambetova⁸⁷, Rejko Krüger⁸⁸, Ai Huey Tan⁸⁹, Azlina Ahmad-Annur⁸⁹, Mohamed Ibrahim Norlinah⁹⁰, Nor Azian Abdul Murad⁹¹, Norlinah Mohamed Ibrahim⁹², Shahrul Azmin⁹², Shen-Yang Lim⁸⁹, Wael Mohamed⁹³, Yi Wen Tay⁸⁹, Daniel Martinez-Ramirez⁹⁴, Mayela Rodriguez-Violante⁹⁵, Paula Reyes-Pérez⁹⁶, Bayasgalan Tserensodnom⁹⁷, Rajeev Ojha⁹⁸, Tim J. Anderson⁹⁹, Toni L. Pitcher⁹⁹, Arinola Sanyaolu¹⁰⁰, Njideka Okubadejo¹⁰⁰, Oluwadamilola Ojo¹⁰¹, Jan O. Aasly¹⁰², Lasse Pihlström¹⁰³, Manuela Tan¹⁰³, Shoaib Ur-Rehman¹⁰⁴, Mario Cornejo-Olivas¹⁰⁵, Maria Leila Doquenía¹⁰⁶, Raymond Rosales¹⁰⁶, Angel Vinuela¹⁰⁷,

Elena Iakovenko¹⁰⁸, Bashayer Al Mubarak¹⁰⁹, Muhammad Umair¹¹⁰, Eng-King Tan¹¹¹, Jia Nee Foo¹¹², Ferzana Amod¹¹³, Jonathan Carr¹¹⁴, Soraya Bardien¹¹⁵, Beomseok Jeon¹¹⁶, Yun Joong Kim¹¹⁷, Esther Cubo¹¹⁸, Ignacio Alvarez¹¹⁹, Janet Hoenicka¹²⁰, Katrin Beyer¹²¹, Maria Teresa Periñan¹²², Pau Pastor¹²³, Sarah El-Sadig¹²⁴, Christiane Zweier¹²⁵, Krack Paul¹²⁵, Chin-Hsien Lin¹²⁶, Hsiu-Chuan Wu¹²⁷, Pin-Jui Kung¹²⁸, Ruey-Meei Wu¹²⁶, Serena Wu¹²⁹, Yihru Wu¹²⁷, Rim Amourj¹³⁰, Samia Ben Sassi¹³¹, A. Nazl Başak¹³², Gencer Genc¹³³, Özgür Öztıp Çakmak¹³², Sibel Ertan¹³², Alastair Noyce¹³⁴, Alejandro Martínez-Carrasco¹³⁵, Anette Schrag¹³⁵, Anthony Schapira¹³⁵, Camille Carroll¹³⁶, Claire Bale¹³⁷, Donald Grosset¹³⁸, Eleanor J. Stafford¹³⁵, Henry Houlden¹³⁵, Huw R. Morris¹³⁵, John Hardy¹³⁵, Kin Ying Mok¹³⁹, Mie Rizig¹³⁵, Nicholas Wood¹³⁵, Nigel Williams¹⁴⁰, Olaitan Okunoye¹³⁵, Patrick Alfryn Lewis¹⁴¹, Rauan Kaiyrzhanov¹³⁵, Rimona Weil¹³⁵, Seth Love¹⁴², Simon Stott¹⁴³, Simona Jasaitye¹³⁵, Sumit Dey¹³⁴, Vida Obese¹³⁵, Alberto Espay¹⁴⁴, Alyssa O'Grady¹⁴⁵, Andrew B. Singleton¹⁴⁶, Andrew K. Sobering¹⁴⁷, Bernadette Siddiqi¹⁴⁵, Bradford Casey¹⁴⁵, Brian Fiske¹⁴⁵, Cabell Jonas¹⁴⁸, Carlos Cruchaga¹⁴⁹, Caroline B. Pantazis¹⁵⁰, Charisse Comart¹⁴⁵, Claire Wegel¹⁵¹, Cornelis Blauwendraat¹⁵⁰, Dan Vitale¹⁵⁰, Deborah Hall¹⁵², Dena Hernandez¹⁵⁰, Ejaz Shiamim¹⁵³, Ekemini Riley¹⁵⁴, Faraz Faghri¹⁵⁰, Geidy E. Serrano¹⁵⁵, Hampton Leonard¹⁵⁶, Hirotaka Iwaki¹⁵⁷, Honglei Chen¹⁵⁸, Ignacio F. Mata¹⁵⁹, Ignacio Juan Keller Sarmiento¹⁶⁰, Jared Williamson¹⁵³, Jonggeol Jeff Kim¹⁵⁰, Joseph Jankovic¹⁶¹, Joshua Shulman¹⁶², Justin C. Solle¹⁴⁵, Kaileigh Murphy¹⁴⁵, Karen Nuytemans¹⁶³, Karl Kiebertz¹⁶⁴, Katerina Markopoulou¹⁶⁵, Kenneth Marek¹⁶⁶, Kristin S. Levine¹⁵⁷, Lana M. Chahine¹⁶⁷, Laurel Screven¹⁴⁶, Lauren Ruffrage¹⁶⁸, Lisa Shulman¹⁶⁹, Luca Marsili¹⁴⁴, Maggie Kuhl¹⁴⁵, Marissa Dean¹⁶⁸, Mary B. Makarios¹⁵⁰, Mathew Koretsky¹⁵⁰, Miguel Inca-Martinez¹⁵⁹, Mike A. Nalls¹⁵⁰, Naomi Louie¹⁴⁵, Niccolò Emanuele Mencacci¹⁶⁰, Roger Albin¹⁷⁰, Roy Alcalay¹⁷¹, Ruth Walker¹⁷², Sara Bandres-Ciga¹⁵⁰, Sohini Chowdhury¹⁴⁵, Sonya Dumanis¹⁷³, Steven Lubbe¹⁶⁰, Tao Xie¹⁷⁴, Tatiana Foroud¹⁷⁵, Thomas Beach¹⁷⁶, Todd Sherer¹⁴⁵, Yeajin Song¹⁵⁰, Duan Nguyen¹⁷⁷, Toan Nguyen¹⁷⁷, Masharip Atadzhanov¹⁷⁸.

¹⁸Sanatorio de la Trinidad Mitre- INEBA, Buenos Aires, Argentina, ¹⁹Hospital JM Ramos Mejia, Buenos Aires, Argentina, ²⁰Somnus Neurology Clinic, Yerevan, Armenia, ²¹Neuroscience Research Australia, Sydney, NSW, Australia, ²²ANZAC Research Institute, Concord, NSW, Australia, ²³Garvan Institute of Medical Research

*A list of authors and their affiliations appears online.

Published online: 13 September 2023

and Concord Repatriation General Hospital, Darlinghurst, NSW, Australia, ²⁴Concord Hospital, Concord, NSW, Australia, ²⁵QIMR Berghofer Medical Research Institute, Herston, QLD, Australia, ²⁶Murdoch University, Perth, Australia, ²⁷Medical University Vienna Austria, Vienna, Austria, ²⁸Universidade Federal do Rio Grande do Sul / Hospital de Clínicas de Porto Alegre, Porto Alegre, Brazil, ²⁹Federal University of Health Sciences of Porto Alegre, Porto Alegre, Brazil, ³⁰Universidade Federal do Rio Grande do Sul, Porto Alegre, Brazil, ³¹University of São Paulo, São Paulo, Brazil, ³²Universidade Federal de Minas Gerais, Belo Horizonte, Brazil, ³³Montreal Neurological Institute, Montreal, QC, Canada, ³⁴Institut universitaire de gériatrie de Montréal, Montreal, QC, Canada, ³⁵McGill University, Montreal, QC, Canada, ³⁶Universidad de Chile, Santiago, Chile, ³⁷Fundación Diagnóstico, Santiago, Chile, ³⁸Faculty of Medicine Universidad de Chile, Santiago, Chile, ³⁹CETRAM, Santiago, Chile, ⁴⁰Central South University, Changsha, China, ⁴¹West China Hospital Sichuan University, Chengdu, China, ⁴²Xiangya Hospital, Changsha, China, ⁴³Capital Medical University, Beijing, China, ⁴⁴Zhejiang University, Hangzhou, China, ⁴⁵Universidad Nacional de Colombia, Bogotá, Colombia, ⁴⁶Fundación Valle del Lili, Santiago De Cali, Colombia, ⁴⁷University of Antioquia, Medellín, Colombia, ⁴⁸University of Costa Rica, San Jose, Costa Rica, ⁴⁹The American University in Cairo, Cairo, Egypt, ⁵⁰Beni-Suef University, Beni Suef, Egypt, ⁵¹Addis Ababa University, Addis Ababa, Ethiopia, ⁵²Paris Brain Institute, Paris, France, ⁵³Sorbonne Université, Paris, France, ⁵⁴University of Lübeck, Lübeck, Germany, ⁵⁵Deutsches Zentrum für Neurodegenerative Erkrankungen, Göttingen, Germany, ⁵⁶University Medical Center Göttingen, Göttingen, Germany, ⁵⁷University Hospital, LMU Munich, Munich, Germany, ⁵⁸Hannover Medical School, Hannover, Germany, ⁵⁹University of Lübeck and University Medical Center Schleswig-Holstein, Lübeck, Germany, ⁶⁰University of Tübingen, Tübingen, Germany, ⁶¹University of Mainz, Mainz, Germany, ⁶²The German Center for Neurodegenerative Diseases, Göttingen, Germany, ⁶³University of Ghana Medical School, Accra, Ghana, ⁶⁴University of Thessaly, Volos, Greece, ⁶⁵Aristotle University of Thessaloniki, Thessaloniki, Greece, ⁶⁶Ionian University, Corfu, Greece, ⁶⁷Biomedical research Foundation of the Academy of Athens, Athens, Greece, ⁶⁸Diagnostic and Therapeutic Centre HYGEIA Hospital, Marousi, Greece, ⁶⁹Hospital San Felipe, Tegucigalpa, Honduras, ⁷⁰Queen Elizabeth Hospital, Kowloon, Hong Kong, ⁷¹The Hong Kong University of Science and Technology, Kowloon, Hong Kong, ⁷²Aster Medcity, Kochi, India, ⁷³Sree Chitra Tirunal Institute for Medical Sciences and Technology, Thiruvananthapuram, India, ⁷⁴National Institute of Mental Health & Neurosciences, Bengaluru, India, ⁷⁵Manipal Hospital, Delhi, India, ⁷⁶All India Institute of Medical Sciences, Delhi, India, ⁷⁷Nizam's Institute Of Medical Sciences, Hyderabad, India, ⁷⁸Shahid Beheshti University of Medical Science, Tehran, Iran, ⁷⁹Magna Græcia University of Catanzaro, Catanzaro, Italy, ⁸⁰University of Pavia, Pavia, Italy, ⁸¹University of Perugia, Perugia, Italy, ⁸²University of Rome Tor Vergata, Rome, Italy, ⁸³Juntendo University, Tokyo, Japan, ⁸⁴Juntendo University faculty of medicine, Tokyo, Japan, ⁸⁵Jikei University School of Medicine, Tokyo, Japan, ⁸⁶Institute of Neurology and Neurorehabilitation, Almaty, Kazakhstan, ⁸⁷Kyrgyz State Medical Academy, Bishkek, Kyrgyzstan, ⁸⁸University of Luxembourg, Luxembourg, Luxembourg, ⁸⁹University of Malaya, Kuala Lumpur, Malaysia, ⁹⁰Universiti Kebangsaan Malaysia, Selangor, Malaysia, ⁹¹UKM Medical Molecular Biology Institute, Kuala Lumpur, Malaysia, ⁹²Universiti Kebangsaan Malaysia Medical Centre, Kuala Lumpur, Malaysia, ⁹³International Islamic University, Kuala Lumpur, Malaysia, ⁹⁴Tecnologico de Monterrey, Monterrey, Mexico, ⁹⁵Instituto Nacional de Neurología y Neurocirugía, Mexico City, Mexico, ⁹⁶Universidad Nacional Autónoma de México, Mexico City, Mexico, ⁹⁷Mongolian National University of Medical Sciences, Ulaanbaatar, Mongolia, ⁹⁸Tribhuvan University, Kirtipur, Nepal, ⁹⁹University of Otago, Dunedin, New Zealand, ¹⁰⁰University of Lagos, Lagos, Nigeria, ¹⁰¹College of Medicine of the University of Lagos, Lagos,

Nigeria, ¹⁰²Norwegian University of Science and Technology, Trondheim, Norway, ¹⁰³Oslo University Hospital, Oslo, Norway, ¹⁰⁴University of Science and Technology Bannu, Bannu, Pakistan, ¹⁰⁵Instituto Nacional de Ciencias Neurológicas, Lima, Peru, ¹⁰⁶Metropolitan Medical Center, Manila, Philippines, ¹⁰⁷University of Puerto Rico, San Juan, Puerto Rico, ¹⁰⁸Research Center of Neurology, Moscow, Russia, ¹⁰⁹King Faisal Specialist Hospital and Research Center, Riyadh, Saudi Arabia, ¹¹⁰King Abdullah International Medical Research Center, Jeddah, Saudi Arabia, ¹¹¹National Neuroscience Institute, Singapore, Singapore, ¹¹²Nanyang Technological University, Singapore, Singapore, ¹¹³University of KwaZulu-Natal, Durban, South Africa, ¹¹⁴University of Stellenbosch, Stellenbosch, South Africa, ¹¹⁵Stellenbosch University, Stellenbosch, South Africa, ¹¹⁶Seoul National University Hospital, Seoul, South Korea, ¹¹⁷Yongin Severance Hospital, Seoul, South Korea, ¹¹⁸Hospital Universitario Burgos, Burgos, Spain, ¹¹⁹University Hospital Mutua Terrassa, Barcelona, Spain, ¹²⁰Institut de Recerca Sant Joan de Deu, Barcelona, Spain, ¹²¹Research Institute Germans Trias i Pujol, Barcelona, Spain, ¹²²Instituto de Biomedicina de Sevilla, Sevilla, Spain, ¹²³University Hospital Germans Trias i Pujol, Barcelona, Spain, ¹²⁴Faculty of medicine university of Khartoum, Khartoum, Sudan, ¹²⁵Inselspital Bern, University of Bern, Bern, Switzerland, ¹²⁶National Taiwan University Hospital, Taipei City, Taiwan, ¹²⁷Chang Gung Memorial Hospital, Taoyuan City, Taiwan, ¹²⁸National Taiwan University, Taipei City, Taiwan, ¹²⁹Chang Gung University, Taoyuan City, Taiwan, ¹³⁰National Institute Mongi Ben Hamida of Neurology, Tunis, Tunisia, ¹³¹Mongi Ben Hmida National Institute of Neurology, Tunis, Tunisia, ¹³²Koç University, Istanbul, Turkey, ¹³³Sisli Etfal Training and Research Hospital, Istanbul, Turkey, ¹³⁴Queen Mary University of London, London, United Kingdom, ¹³⁵University College London, London, United Kingdom, ¹³⁶University of Plymouth, Plymouth, United Kingdom, ¹³⁷Parkinson's UK, London, United Kingdom, ¹³⁸University of Glasgow, Glasgow, United Kingdom, ¹³⁹Univeristy College London, London, United Kingdom, ¹⁴⁰Cardiff University, Cardiff, United Kingdom, ¹⁴¹Royal Veterinary College University of London, London, United Kingdom, ¹⁴²University of Bristol, Bristol, United Kingdom, ¹⁴³Cure Parkinson's, London, United Kingdom, ¹⁴⁴University of Cincinnati, Cincinnati, OH, USA, ¹⁴⁵The Michael J. Fox Foundation for Parkinson's Research, New York, NY, USA, ¹⁴⁶National Institute on Aging, Bethesda, MD, USA, ¹⁴⁷Augusta University / University of Georgia Medical Partnership, Augusta, GA, USA, ¹⁴⁸Mid-Atlantic Permanente Medical Group, Bethesda, MD, USA, ¹⁴⁹Washington University, St. Louis, MO, USA, ¹⁵⁰National Institutes of Health, Bethesda, MD, USA, ¹⁵¹Indiana University, Bloomington, IN, USA, ¹⁵²Rush University, Chicago, IL, USA, ¹⁵³Kaiser Permanente, Oakland, CA, USA, ¹⁵⁴Coalition for Aligning Science, Washington, WA, USA, ¹⁵⁵Banner Sun Health Research Institute, Sun City, AZ, USA, ¹⁵⁶National Institute on Aging/National Institutes of Health, Bethesda, MD, USA, ¹⁵⁷Data Tecnica International, Washington, WA, USA, ¹⁵⁸Michigan State University, East Lansing, MI, USA, ¹⁵⁹Cleveland Clinic, Cleveland, OH, USA, ¹⁶⁰Northwestern University, Evanston, IL, USA, ¹⁶¹Baylor College of Medicine, Houston, TX, USA, ¹⁶²Baylor College of Medicine / Texas Children's Hospital, Houston, TX, USA, ¹⁶³University of Miami Miller School of Medicine, Miami, FL, USA, ¹⁶⁴Beth Israel Deaconess Medical Center, Boston, MA, USA, ¹⁶⁵North Shore University Health System, Chicago, IL, USA, ¹⁶⁶Institute for Neurodegenerative Disorders, New Haven, CT, USA, ¹⁶⁷University of Pittsburgh, Pittsburgh, PA, USA, ¹⁶⁸University of Alabama at Birmingham, Birmingham, AL, USA, ¹⁶⁹University of Maryland, Baltimore, MD, USA, ¹⁷⁰Univeris of Michigan, Ann Arbor, MI, USA, ¹⁷¹Columbia University, New York, NY, USA, ¹⁷²James J. Peters Veterans Affairs Medical Center, New York, NY, USA, ¹⁷³Aligning Science Across Parkinson's, Washington, WA, USA, ¹⁷⁴University of Chicago, Chicago, IL, USA, ¹⁷⁵Indiana University School of Medicine, Indianapolis, IN, USA, ¹⁷⁶Sun Health Research Institution, Sun City, AZ, USA, ¹⁷⁷Hue University, Huế, Vietnam, ¹⁷⁸University of Zambia, Lusaka, Zambia.



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) 2023