



Author Correction: Inflammasome Activation Mediates Apoptotic and Pyroptotic Death in Astrocytes Under Ischemic Conditions

Lap Jack Wong¹ · Bernice Woon Li Lee¹ · Yi Jing Sng¹ · Luting Poh^{1,2} · Vismitha Rajeev^{1,2} · Sharmelee Selvaraji^{1,2,3} · Grant R. Drummond⁴ · Christopher G. Sobey⁴ · Thiruma V. Arumugam^{1,4,5} · David Y. Fann^{6,7}

Published online: 21 September 2023
© Springer Science+Business Media, LLC, part of Springer Nature 2023

Correction to: NeuroMolecular Medicine
<https://doi.org/10.1007/s12017-023-08753-2>

Subsequent to the online publication, an error was identified in Fig. 2G, originating from an oversight during the assembly of Fig. 2. Immediate corrective actions have been taken to address this error.

The corrected Fig. 2 is listed below.

The original article has been corrected.

Bernice Woon Li Lee and Yi Jing Sng have contributed equally to the manuscript.

The original article can be found online at <https://doi.org/10.1007/s12017-023-08753-2>.

✉ Thiruma V. Arumugam
g.arumugam@latrobe.edu.au

✉ David Y. Fann
david.fann@nus.edu.sg

¹ Department of Physiology, Yong Loo Lin School of Medicine, National University of Singapore, Singapore, Singapore

² Memory Aging and Cognition Centre, Department of Pharmacology, Yong Loo Lin School of Medicine, National University of Singapore, Singapore, Singapore

³ NUS Graduate School for Integrative Sciences and Engineering, National University of Singapore, Singapore, Singapore

⁴ Centre for Cardiovascular Biology and Disease Research and Department of Microbiology, Anatomy, Physiology and Pharmacology, School of Agriculture, Biomedicine and Environment, La Trobe University, Bundoora, VIC, Australia

⁵ School of Pharmacy, Sungkyunkwan University, Suwon, Republic of Korea

⁶ Department of Pharmacology, Yong Loo Lin School of Medicine, National University of Singapore, Singapore, Singapore

⁷ Healthy Longevity Translational Research Programme (HLTRP), Yong Loo Lin School of Medicine, National University of Singapore, Singapore, Singapore

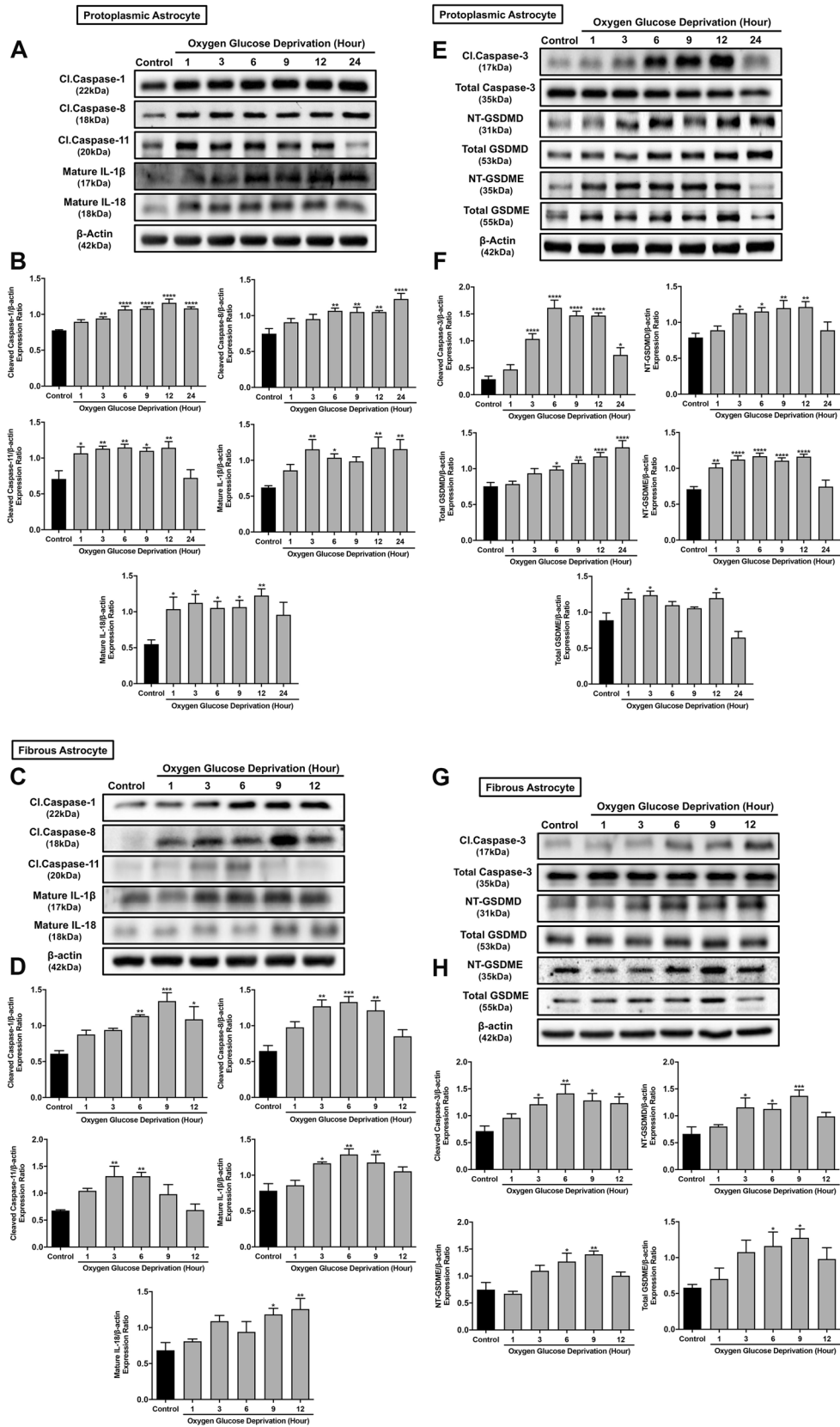


Fig. 2 Expression levels of activated inflammasome components, pro-inflammatory cytokine maturation and markers of cell death in protoplasmic and fibrous astrocytes under ischemic conditions over time (**A–H**). Representative immunoblots and quantifications illustrating protein expression levels of activated effector (Cleaved Caspase-1, -8, and -11) inflammasome components, and downstream effector targets such as both mature IL-1 β and IL-18 in lysates of protoplasmic astrocytes at indicated time points (1, 3, 6, 9, 12, and 24 h) during oxygen and glucose deprivation (OGD) conditions (**A** and **B**). Representative immunoblots and quantifications illustrating protein expression levels of activated effector (Cleaved Caspase-1, -8, and -11) inflammasome components, and downstream effector targets such as both mature IL-1 β and IL-18 in lysates of fibrous astrocytes at indicated time points (1, 3, 6, 9, and 12 h) during oxygen and glucose deprivation (OGD) conditions (**C** and **D**). Representative immunoblots and quantifications illustrating protein expression levels of programmed cell death effectors such as Cleaved Caspase-3 (apoptosis), N-Terminal Gasdermin D (pyroptosis), and N-Terminal Gasdermin E (secondary pyroptosis) in lysates of protoplasmic astrocytes at indicated time points (1, 3, 6, 9, 12 and 24 h) during oxygen and glucose deprivation (OGD) conditions (**E** and **F**). Representative immunoblots and quantifications illustrating protein expression levels of programmed cell death effectors such as Cleaved Caspase-3 (apoptosis), N-Terminal Gasdermin D (pyroptosis), and N-Terminal Gasdermin E (secondary pyroptosis) in lysates of fibrous astrocytes at indicated time points (1, 3, 6, 9, and 12 h) during oxygen and glucose deprivation (OGD) conditions (**G** and **H**). β -actin was used as a loading control. Data are represented as mean \pm S.E.M. $n=4$ –5 biological cultures in each experimental group. * $p<0.05$ compared with control; ** $p<0.01$ compared with control; *** $p<0.001$ compared with control; **** $p<0.0001$ compared with control

Publisher's Note Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.