EPFL Learn how to engage in critical thinking:

Comparing two scientific papers that present contradictory conclusions on the same topic

RESEARCH ARTICLE SUMMARY

NEURODEGENERATION

Pathological α-synuclein transmission initiated by binding lymphocyte-activation gene 3

Xiaobo Mao, Michael Tianhao Ou, Senthilkumar S. Karuppagounder, Tae-In Kam, Xiling Yin, Yulan Xiong, Preston Ge, George Essien Umanah, Saurav Brahmachari, Joo-Ho Shin, Ho Chul Kang, Jianmin Zhang, Jinchong Xu, Rong Chen, Hyejin Park, Shaida A. Andrabi, Sung Ung Kang, Rafaella Araújo Gonçalves, Yu Liang, Shu Zhang, Chen Qi, Sharon Lam, James A. Keiler, Joel Tyson, Donghoon Kim, Nikhil Panicker, Seung Pil Yun, Creg J. Workman, Dario A. A. Vignali, Valina L. Dawson,* Han Seok Ko,* Ted M. Dawson*

EMBO Molecular Medicine Article LAG3 is not expressed in human and murine neurons and does not modulate α -synucleinopathies Marc Emmenegger^{1,†} . Elena De Cecco^{1,†} . Marian Hruska-Plochan^{2,†} . Timo Eninger^{3,4}. Matthias M Schneider⁵, Melanie Barth^{3,4}, Elena Tantardini², Pierre de Rossi². Mehtap Bacioglu^{3,4}, Rebekah G Langston⁶, Alice Kaganovich⁶, Nora Bengoa-Vergniory⁷, Andrès Gonzalez-Guerra¹, Merve Avar¹, Daniel Heinzer¹, Regina Reimann¹, Lisa M Häsler^{3,4}, Therese W Herling⁵, Naunehal S Matharu⁵, Natalie Landeck⁶, Kelvin Luk⁸, Ronald Melki⁹ Philipp I Kahle^{3,10}. Simone Hornemann¹. Tuomas P I Knowles^{5,11}. Mark R Cookson⁶. Magdalini Polymenidou², Mathias Jucker^{3,4} & Adriano Aguzzi^{1,*}

Carefully read both papers in the indicated order (1 then 2) and find the controversy!