

**Raphaella WL So's publication list (in reverse chronological order):**

1. **So RWL**, Amano G, Stuart E, Ebrahim Amini A, Aguzzi A, Collingridge GL, et al. alpha-Synuclein strain propagation is independent of cellular prion protein expression in a transgenic synucleinopathy mouse model. *PLoS Pathog.* 2024;20(9):e1012517. [doi: 10.1371/journal.ppat.1012517](https://doi.org/10.1371/journal.ppat.1012517)
2. Germain K, **So RWL**, DiGiovanni LF, Watts JC, Bandsma RHJ, Kim PK. Upregulated pexophagy limits the capacity of selective autophagy. *Nat Commun.* 2024;15(1):375. [doi: 10.1038/s41467-023-44005-4](https://doi.org/10.1038/s41467-023-44005-4)
3. Lau HHC, Martinez-Valbuena I, **So RWL**, Mehra S, Silver NRG, Mao A, et al. The G51D SNCA mutation generates a slowly progressive alpha-synuclein strain in early-onset Parkinson's disease. *Acta Neuropathol Commun.* 2023;11(1):72. [doi: 10.1186/s40478-023-01570-5](https://doi.org/10.1186/s40478-023-01570-5)
4. **So RWL**, Watts JC. alpha-Synuclein Conformational Strains as Drivers of Phenotypic Heterogeneity in Neurodegenerative Diseases. *J Mol Biol.* 2023;435(12):168011. [doi: 10.1016/j.jmb.2023.168011](https://doi.org/10.1016/j.jmb.2023.168011)
5. Martinez-Valbuena I, Visanji NP, Kim A, Lau HHC, **So RWL**, Alshimemeri S, et al. Alpha-synuclein seeding shows a wide heterogeneity in multiple system atrophy. *Transl Neurodegener.* 2022;11(1):7. [doi:10.1186/s40035-022-00283-4](https://doi.org/10.1186/s40035-022-00283-4)
6. Lau A\*, **So RWL\***, Lau HHC, Sang JC, Ruiz-Riquelme A, Fleck SC, et al. alpha-Synuclein strains target distinct brain regions and cell types. *Nat Neurosci.* 2020;23(1):21-31. [doi:10.1038/s41593-019-0541-x](https://doi.org/10.1038/s41593-019-0541-x) (\* **co-first authorship**)
7. **So RWL**, Chung SW, Lau HHC, Watts JJ, Gaudette E, Al-Azzawi ZAM, et al. Application of CRISPR genetic screens to investigate neurological diseases. *Mol Neurodegener.* 2019;14(1):41. [doi:10.1186/s13024-019-0343-3](https://doi.org/10.1186/s13024-019-0343-3)
8. Chow HM, Shi M, Cheng A, Gao Y, Chen G, Song X, **So RWL**, et al. Age-related hyperinsulinemia leads to insulin resistance in neurons and cell-cycle-induced senescence. *Nat Neurosci.* 2019;22(11):1806-19. [doi:10.1038/s41593-019-0505-1](https://doi.org/10.1038/s41593-019-0505-1)
9. Liu J, Amar F, Corona C, **So RWL**, Andrews SJ, Nagy PL, et al. Brain-Derived Neurotrophic Factor Elevates Activating Transcription Factor 4 (ATF4) in Neurons and Promotes ATF4-Dependent Induction of Sesn2. *Front Mol Neurosci.* 2018;11:62. [doi:10.3389/fnmol.2018.00062](https://doi.org/10.3389/fnmol.2018.00062)