ChemComm



CORRECTION

View Article Online



Cite this: Chem. Commun., 2022, **58**, 2581

Correction: Recent advances in fluorescent probes for lipid droplets

Yanvan Zhao, ab Wen Shi, *ab Xiaohua Lia and Huimin Maab

Correction for 'Recent advances in fluorescent probes for lipid droplets' by Yanyan Zhao et al., Chem. Commun., 2022, 58, 1495-1509, DOI: 10.1039/D1CC05717K.

DOI: 10.1039/d2cc90048c

rsc.li/chemcomm

The authors regret that two important references about lipid droplet probes did not appear in the article. The references are listed below as ref. 1 and 2.

Ref. 1 is a comprehensive review article that summarized the fluorescent probes for lipid droplets up to 2018.

Ref. 2 reports a new family of merocyanine fluorophores, named StatoMerocyanines, for imaging lipid droplets. The probes exhibited fluorescence spectra covering the visible (550 nm) and near infrared (794 nm) regions with high brightness and photostability. Notably, SMCy5 displayed the brightness of 2 27 500 M⁻¹ cm⁻¹ in dichloromethane, which was one of the brightest molecules to date. The author demonstrated the superior performance of StatoMerocyanine in lipid droplet imaging including 3D imaging, multicolor imaging and two-photon imaging on cell and tissue samples. Significantly, the lipid droplet exchange was monitored with SMCy3.5 and SMCy5.5 by multicolor 3D imaging without any leakage. These dyes provided a robust tool box for imaging lipid droplets.

StatoMerocyanine

n=1. indolenine SMCy3 n=1, benzoindolenine SMCy3.5 n=2. indolenine SMCy5 SMCy5.5 n=2. benzoindolenine SMCy7 n=3 indolenine n=3, benzoindolenine SMCy7.5

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

References

- 1 T. K. Fam, A. S. Klymchenko and M. Collot, Materials, 2018, 11, 1768.
- 2 M. Collot, T. K. Fam, P. Ashokkumar, O. Faklaris, T. Galli, L. Danglot and A. S. Klymchenko, J. Am. Chem. Soc., 2018, 140, 5401-5411.

^a Beijing National Laboratory for Molecular Sciences, Key Laboratory of Analytical Chemistry for Living Biosystems, Institute of Chemistry, Chinese Academy of Sciences, Beijing 100190. China, E-mail: shiwen@iccas.ac.cn

b University of Chinese Academy of Sciences, Beijing 100049, China