Below is an example:

**An improved method for tubulin staining of ciliated eukaryotes**

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Cilia are the most striking feature of ciliates, contributing to their high diversity. These cilia can vary in length, covering either the entire cell surface or only specific parts, and can even bundle together to form structures known as cirri1,2,3. From a scientific perspective, the study of cilia and their patterns contributes to our understanding of fundamental life characteristics in ciliates, including morphology, cell morphogenesis, locomotion, feeding, signal transmission, and reproduction, which provides insights that extend to the broader realm of life4,5,6.

We developed a method for tubulin staining in ciliate cells that involves using live-cell tubulin-staining dyes instead of antibodies thereby streamlining the staining process, which is effective across diverse ciliate lineages. Moreover, our method allows integration with immunofluorescence staining using antibodies when needed. The potential applications of this technique extend to cell biology and ciliate morphological and ecological studies.

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