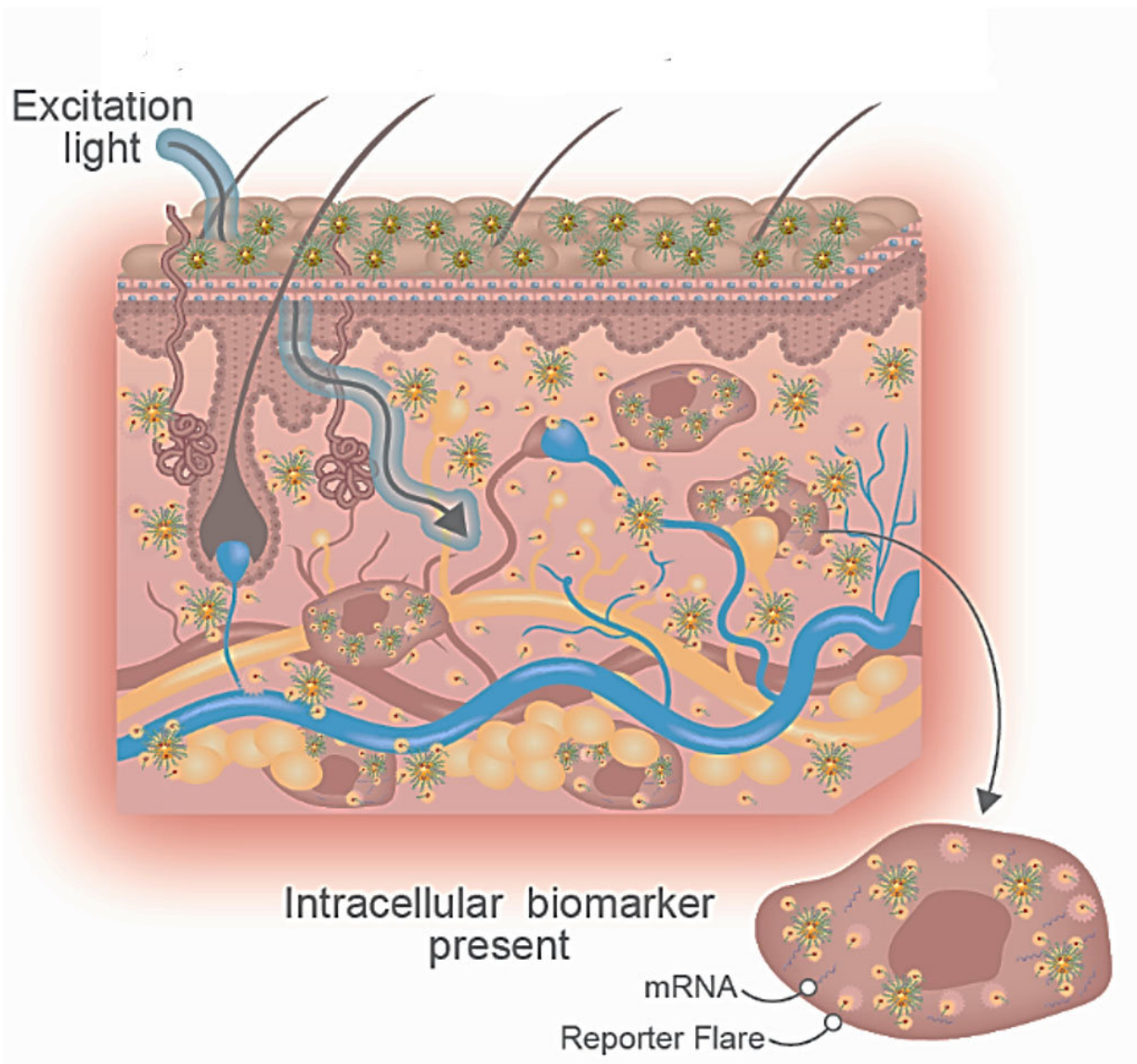


Simplifying skin disease diagnosis with topical nanotechnology

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This vision of simplifying disease diagnosis using topically-applied

nanotechnology could change the way skin diseases such as abnormal scars are diagnosed and managed. Credit: David Yeo, Ph.D., and Prof. Chenjie Xu, Ph.D.

In a new *SLAS Technology* auto-commentary, two authors of an article recently published in *Nature Biomedical Engineering* share more insight into their unique method for skin disease diagnosis using NanoFlare nanotechnology. In particular, the authors address point-of-care diagnosis and image acquisition, which are the primary bottlenecks in efficient disease diagnosis.

Authors David Yeo, Ph.D., and Prof. Chenjie Xu, Ph.D., of the School of Chemical and Biomedical Engineering at Nanyang Technological University (Singapore) use NanoFlare to enable biopsy-free [disease diagnosis](#) and progression monitoring in response to therapy. It is a minimally-invasive, self-applied alternative that can reduce scarring and infection risks; improve accessibility to disease [diagnosis](#); provide timely feedback of treatment efficacy; and reduce healthcare personnel time and attention, hence the overall healthcare burden.

This vision of simplifying [disease](#) diagnosis using topically-applied nanotechnology could change the way skin diseases such as abnormal scars are diagnosed and managed.

More information: David C. Yeo et al. Simplifying Skin Disease Diagnosis with Topical Nanotechnology, *SLAS TECHNOLOGY: Translating Life Sciences Innovation* (2018). [DOI: 10.1177/2472630318775314](#)

David C. Yeo et al. Abnormal scar identification with spherical-nucleic-acid technology, *Nature Biomedical Engineering* (2018). [DOI: 10.1038/s41551-018-0218-x](#)

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