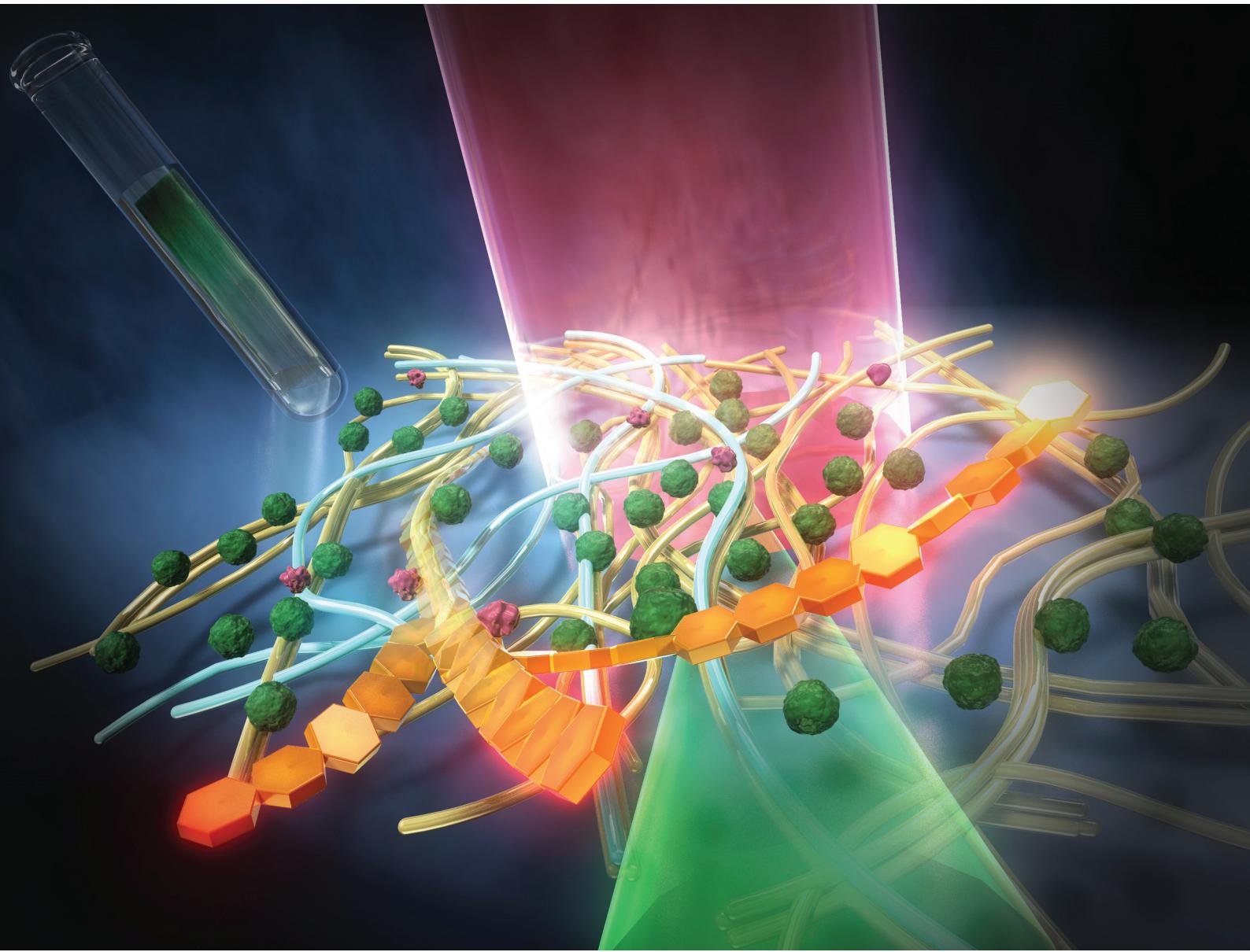


# Analyst

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**PAPER**

Ryo Kato, Kaisei Maeda *et al.*

Label-free visualization of photosynthetic microbial biofilms  
using mid-infrared photothermal and autofluorescence  
imaging

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