

NOTEWORTHY

# HOW TO RECOGNIZE FAKE BIOPSY DATA

27.08.2024



**Elisabeth Bik**  
@MicrobiomDigest

...

AI can be used to make convincing looking fake data.  
There is no way we can distinguish real from fake anymore.  
It is safe to assume that genAI has already resulted in many fake papers.  
Scientific publishing is not prepared for this.



**Cheshire** @Thatsregrettab1 · 8h

Generative AI fraud example by me. The rightmost column of tumors was created by AI using the first 6 (supposedly) real ones. Time required: 30 seconds.

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11:51 PM · Aug 26, 2024 · **100.1K** Views

27

287

865

111



<https://x.com/MicrobiomDigest/status/1828188546710282335>

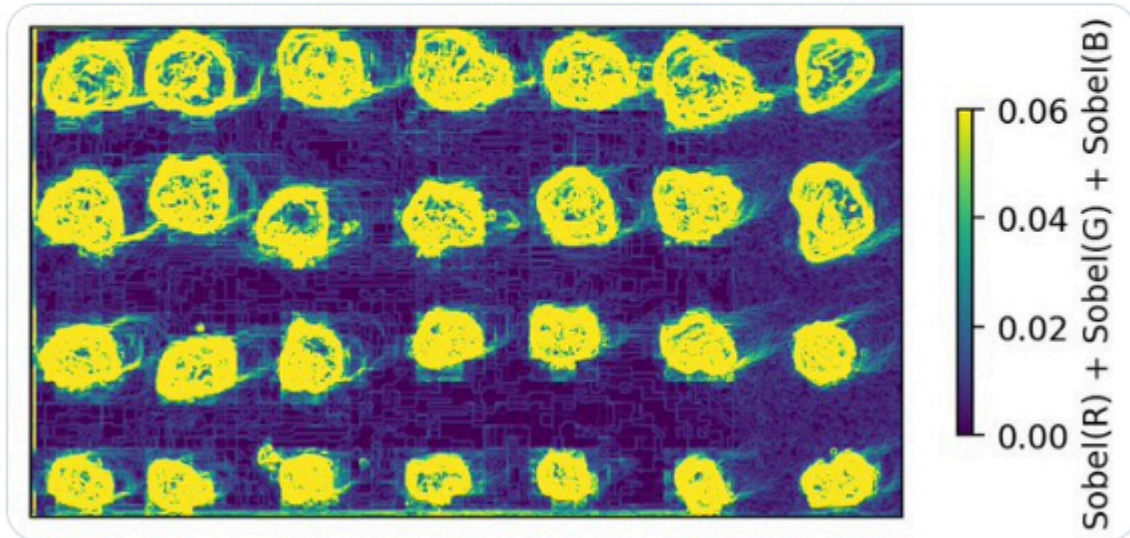
and a possible solution



**Jason Town**  
@JasonPTown



The only clue I could see visually was a lack of compression artifacts on the right-most column. If you look at the image gradients though, I think you can see the boundary between the real and generated sections



12:28 AM · Aug 27, 2024 · **1,688** Views

<https://x.com/JasonPTown/status/1828197868089512335/photo/1>