



The Department of Chemistry Presents:

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"Got fakes?"

Access to medicine is a basic human right, but as many as 1 in 6 packages of medicine sold in the developing world don't meet pharmacopeia standards. Some of these products are poorly manufactured; some are degraded by bad storage conditions, and some are outright fakes in which expensive active ingredients are replaced with cheap fillers like acetaminophen, chalk, or flour. My group has developed paper analytical devices (PADs) that can detect such shenanigans in low-resource settings. We are implementing PADs to test the quality of anticancer drugs and antibiotics in sub-Saharan Africa. I'll tell you about what we've learned, and you will get a chance to use a PAD to detect a fake product in a hands-on demonstration.

Monday, September 22, 2025 @ 3 P.M.

1260 Chemistry Building