Scaffolded DNA origami\textsuperscript{1} is a simple and efficient technique to design two- and three-dimensional objects of programmed shape. We used DNA origami as a molecular breadboard to arrange objects such as dyes and nanoparticles\textsuperscript{2,3}. We present examples of how DNA origami can enhance biophysical single-molecule experiments. Applications include the development of nanoscopic rulers for 2D and 3D superresolution microscopy\textsuperscript{4}, the switching of energy transfer pathways\textsuperscript{2}, and the plasmonic enhancement of fluorescence signals\textsuperscript{5}.

References:

EVERYONE IS WELCOME!