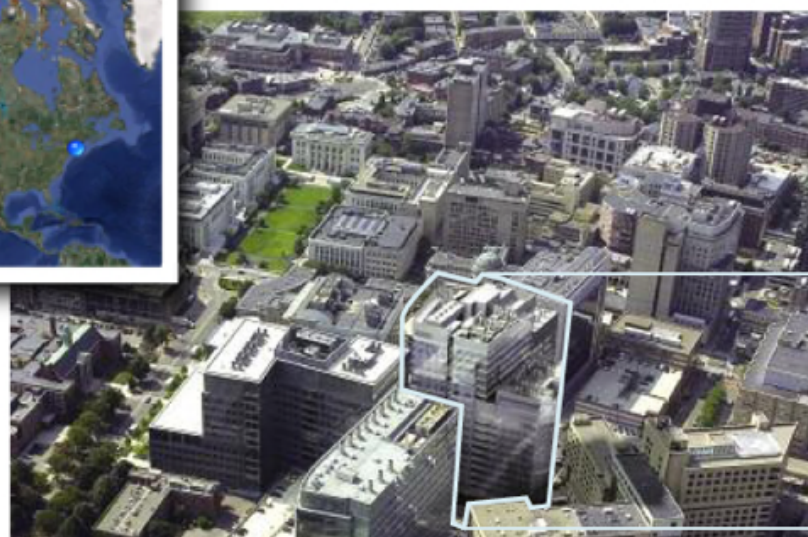
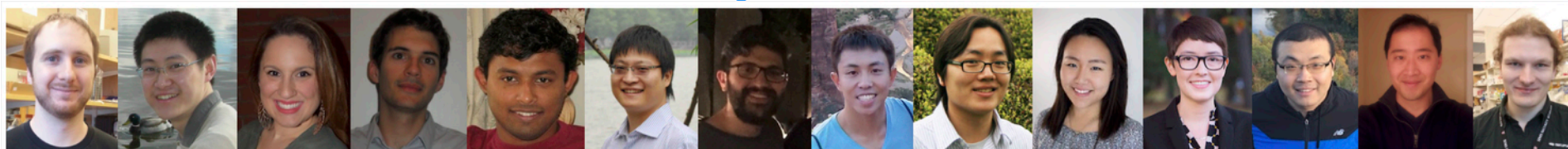




PI: Dr. Peng Yin



Molecular Systems Lab at Harvard



Beliveau Dai Fitzpatrick Garreau Gopalkrishnan Han Hernandez Jin Kim Kim Kishi Liu Liu Nowak



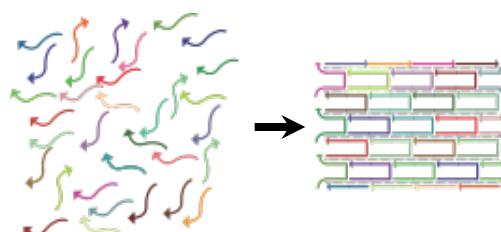
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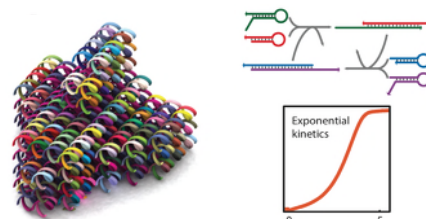
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Form

Programming structures & dynamics



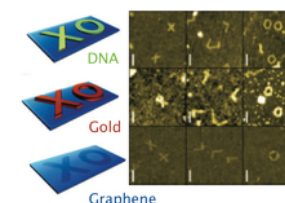
AFM images



Nature 2008 [P1], *Science* 2008 [P2],
Nature 2012 [P4], *Science* 2012 [P6], *Nature Comm.* 2013 [P12],
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Nature Comm. 2017 [P44], *Nature Chem.* 2017 [P45],
Nature 2017 [P47], *Science* 2017 [P48]

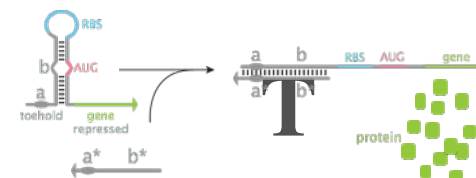
Function

Programming inorganics



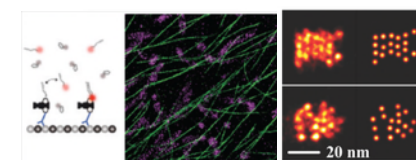
Nature Comm. 2013 [P8], *Science* 2014 [P24]

Programming biology



Nature Chemistry 2012 [P3],
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Programming light



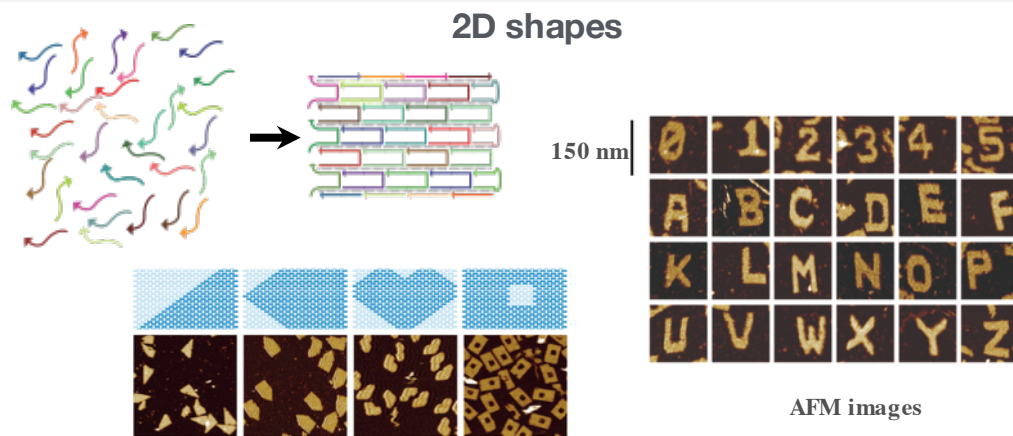
Nat. Chem. 2012 [P5],
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Science Adv. 2017 [P40], *Nature Comm.* 2017 [P46]



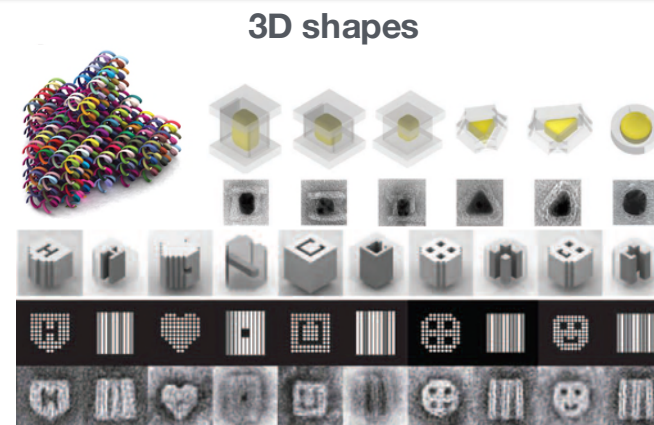
WYSS INSTITUTE (1) Addressable DNA nanostructures



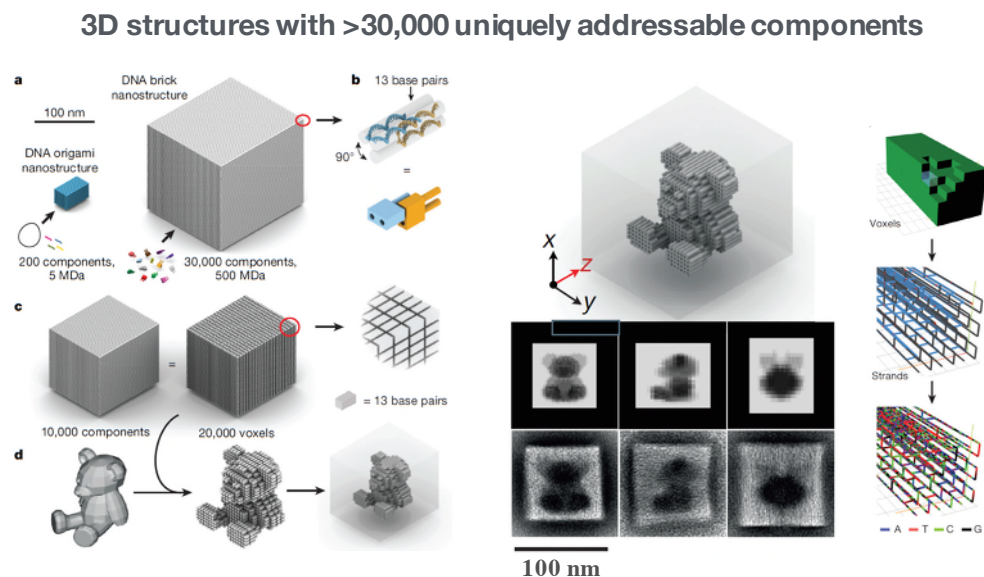
<http://molecular.systems>



Nature 2008 [P1], *Nature* 2012 [P4]

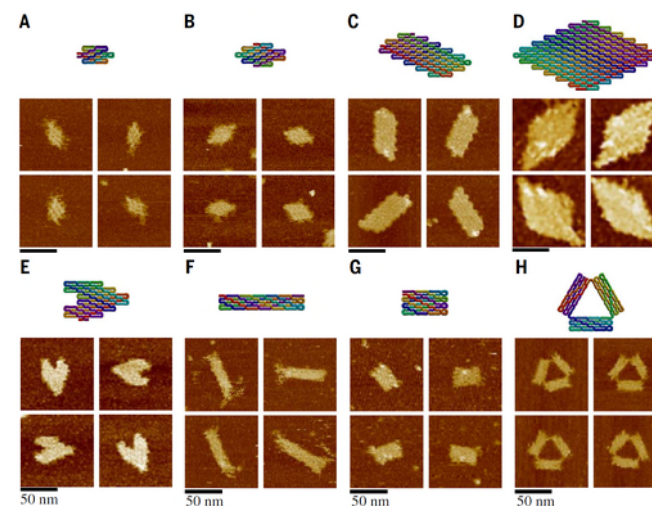


Science 2012 [P6], *Science* 2014 [P24]



Nature 2017 [P47]

Single-stranded DNA and RNA origami structures (10,000 bases)



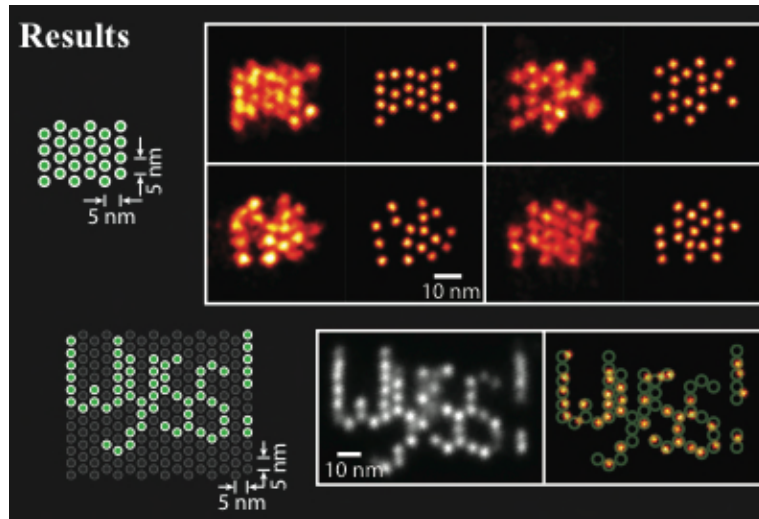
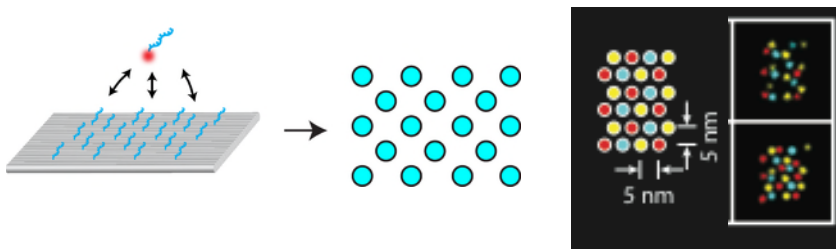
Science 2017 [P48]

For paper P.x, see Paper [x] at <http://molecular.systems>

(2) Nanoscale DNA optical reading and writing

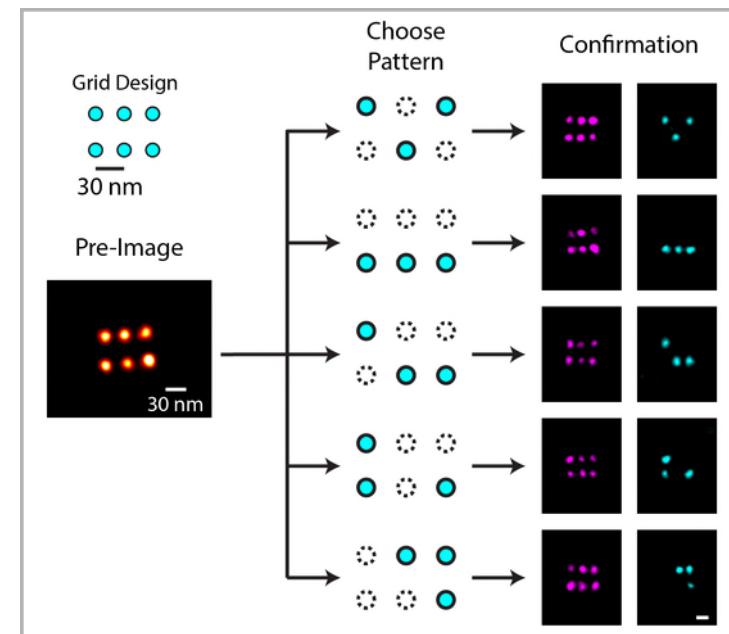
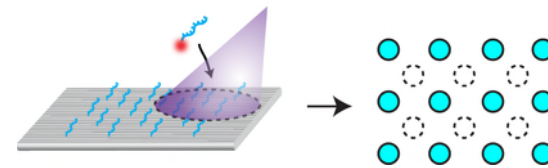


Ultra-high resolution optical reading



5 nm feature resolution

Nanoscale optical writing



30 nm feature size



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