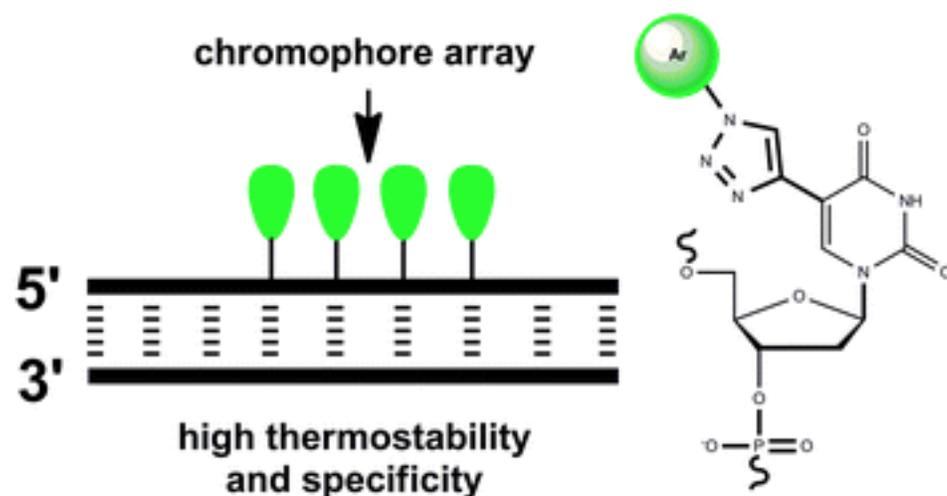


# Synthesis and hybridization properties of modified oligonucleotides – a HOT Communication from Patrick J. Hrdlicka

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By James Anson.

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In this HOT Communication **Patrick J. Hrdlicka** and colleagues at [University of Idaho](#) study the hybridization properties of oligonucleotides, which are modified with 5-(1-aryl-1,2,3-triazol-4-yl)-2'-deoxyuridine monomers featuring three differentially sized aromatic moieties at the 1-position of the triazole ring.

These modified oligonucleotides modified with consecutive show a strong thermal affinity and binding specificity toward RNA targets, due to the formation of stabilizing chromophore arrays in the major groove.

**Synthesis and hybridization properties of oligonucleotides modified with 5-(1-aryl-1,2,3-triazol-4-yl)-2'-deoxyuridines** Mamta Kaura, Pawan Kumar and Patrick J. Hrdlicka DOI: 10.1039/C2OB26717A

