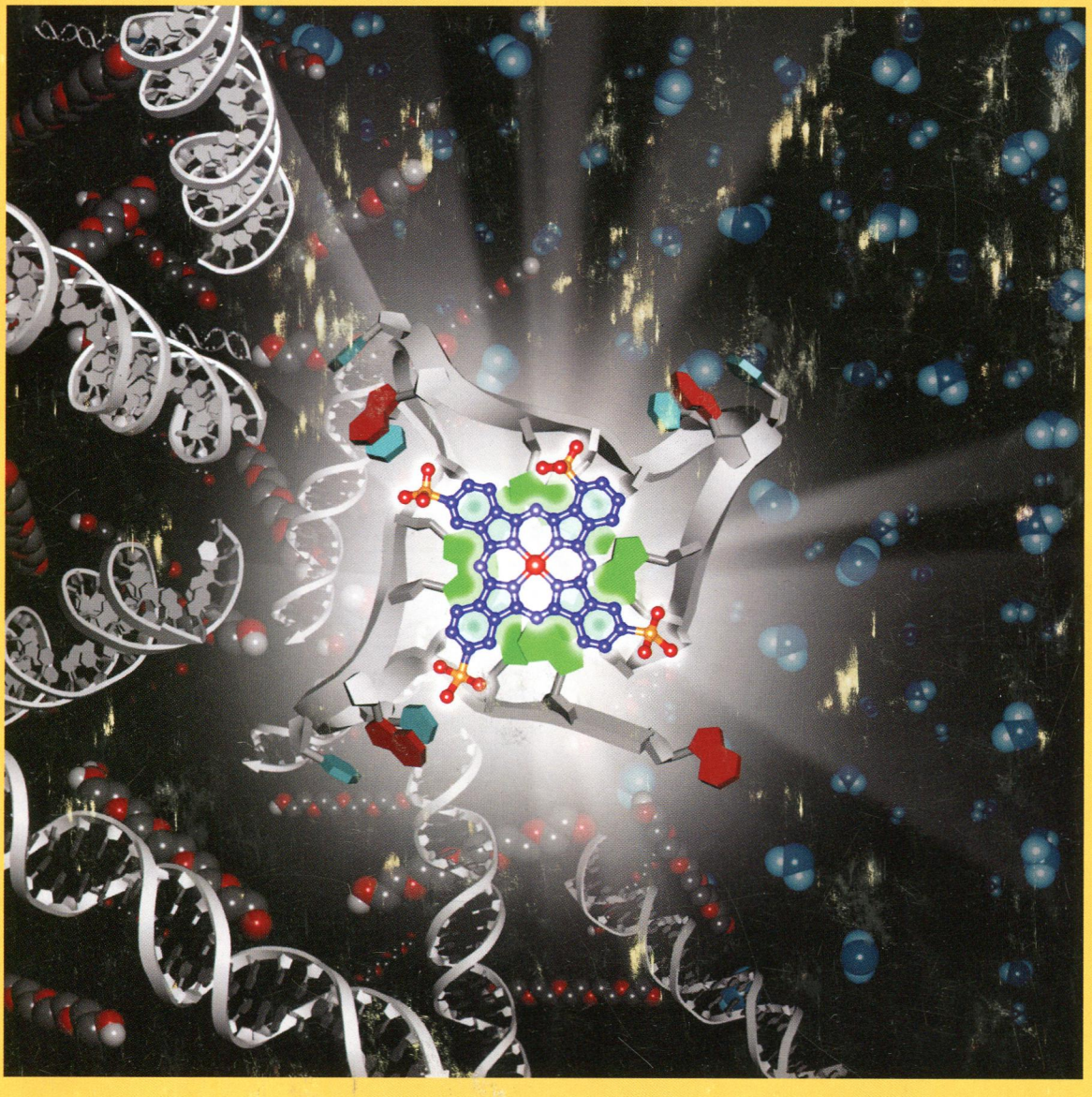
MARCH 13, 2014
VOLUME 118
NUMBER 10
pubs.acs.org/JPCB

THE JOURNAL OF PHYSICAL CHEMISTRY B



Artificial Cell Nuclei-Mimicking Condition Predicting a G-Quadruplex Ligand Function in a Cell (see page 5A)

BIOPHYSICAL CHEMISTRY, BIOMATERIALS, LIQUIDS, AND SOFT MATTER

ACS Publications
MOST TRUSTED. MOST CITED. MOST READ.
www.acs.org

THE JOURNAL OF PHYSICAL CHEMISTRY B

MARCH 13, 2014
VOLUME 118 ISSUE 10
JPCBFK 118(10) 2605–2784 (2014)
ISSN 1520-6106
Registered in the U.S. Patent and Trademark Office

ON THE COVER: Artificial cell nuclei-mimicking condition predicting a G-quadruplex ligand function in a cell. Under an in vitro condition mimicking cell nuclei with molecular crowding reagent and double-stranded DNA, anionic phthalocyanines bind telomeric G-quadruplex and inhibit telomerase activity, which is consistent with results of cellular assays. See page 2605.

Articles

Biophysical Chemistry and Biomolecules

Biomaterials, Surfactants, and Membranes

Liquids; Chemical and Dynamical Processes in Solution

Glasses, Colloids, Polymers, and Soft Matter

(S) Supporting Information available via online article