


**“Solving the Pharmacology Puzzles of  
the Blockbuster Antiplatelet Clopidogrel  
and Using It to Probe the Human Body Chemical Biology”**

**The Tale of the S-atom in Human Bodies**



2012 sales  
\$9.7 billion

Platelet aggregation inhibitor  
75 mg/day  
(preventing ischemic event)  
High variability & resistance  
Mysterious pharmacology

Plavix (clopidogrel)  
*serendipitous prodrug*

GPCR protein  
**persulfidation**  
(platelet membrane)

Google/YouTube: Plavix TV Commercial

**TUESDAY**

**APRIL 6, 2021**

**4:00 P.M. - 5:00 P.M.**

**ZOOM MEETING ID:  
951 7396 0440  
Password: 282934**



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