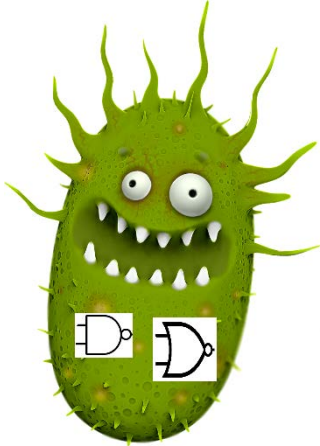


New class!

EE193/COMP 150: Computing with Biological Parts, Spring 2019

For more detail, see <https://www.ece.tufts.edu/~joelg/bio-parts> or e-mail

joel.grodstein@tufts.edu



Build¹ bacteria with NAND gates and latches inside of them! Use them to fight tumors!²



Learn what bioelectricity is, and how it helps compute where our eyes wind up on our face³



Learn about the planarian – a worm that is practically immortal⁴ and has traveled on the International Space Station to reproduce⁴

1. No actual organisms will be created. We'll stick with computer simulations.
2. Not actually FDA approved (or even close). However, several precursors to this have been demonstrated in the lab
3. A fair amount of evidence exists for this in planaria and tadpoles; there is little or no evidence of any such claims for humans
4. Really!