

Arthur Prindle

CONTACT INFORMATION Bonner Hall 2121 *cell:* (650) 796-1998
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EDUCATION **University of California, San Diego**
Ph.D., Bioengineering, (Expected 2013)
 • Advisor: Jeff Hasty

California Institute of Technology
B.S. with Honor, Chemical Engineering, 2009
 • Advisor: Richard Murray

PUBLICATIONS & PATENTS A. Prindle, P. Samayoa, and J. Hasty. Multiscale platform for coordinating cellular activity using synthetic biology. Provisional Patent (2011).

A. Prindle, P. Samayoa, I. Razinkov, T. Danino, L. Tsimring, and J. Hasty. A sensing array of radically coupled genetic 'biopixels'. *Nature* (2011).

A. Prindle and J. Hasty. Stochastic emergence of groupthink. *Science* (2010).

RECOGNITION & AWARDS NDSEG Graduate Research Fellowship, 2010-2013
DOE OSGF Graduate Fellowship Finalist, 2010
Amgen Scholar, Amgen Inc., 2008
Ernest R. Roberts SURF Fellowship, California Institute of Technology, 2007

ACADEMIC EXPERIENCE **University of California, San Diego**
Graduate Student **June, 2009 - present**
Worked with Prof. Jeff Hasty in the BioDynamics lab and BioCircuits Institute. Current research projects include:

- (1) Attenuated *S. typhimurium* as a chassis for *in vivo* synthetic biology
- (2) DNA-less 'minicells' as programmable biological nanoparticles

California Institute of Technology
Amgen Scholar **June, 2008 - June, 2009**
Worked with Prof. Richard Murray on a genetic circuits project involving synthetic biology, fluorescence microscopy, and image processing.

Ernest R. Roberts SURF Fellow **June, 2007 - September, 2007**
Worked with Prof. Mark Davis on a drug delivery project involving NMR, HPLC, and computational modeling of fluid dynamics.

SRI International
Student Researcher **June, 2006 - September, 2006**
Worked with Dr. Harald Oser in the Molecular Physics Lab on a GC/MS-based air sampling project for pathogen detection.