ADAM B. YASEEN

Wyss Institute, CLSB 5th Floor 530/4C
3 Blackfan Circle, Boston MA 02115
216-533-7099 | adam.yaseen@wyss.harvard.edu

RESEARCH EXPERIENCE

Yin Lab *June 2019-Present*
Harvard University, Wyss Institute for Biologically Inspired Engineering

- Single-molecule proteomics
- Immunoassay development

Lynch Lab *November 2015-October 2018*
Duke University, Department of Biomedical Engineering

- CRISPR/Cas9-assisted recombineering
- Two-stage bioprocessing optimization

Duke iGEM (International Genetically Engineered Machine) *June 2015-October 2018*
Duke University, Department of Biomedical Engineering

- Biosynthesis of paclitaxel in *E. coli*
- Gene circuit design for induction of programable cell death genes

Buchler Lab *May 2015-October 2015*
Duke University, Department of Physics

- Ultrasensitive responses in CRISPR/Cas9 systems
- Apoptosis in *E. coli*

EDUCATION

Duke University, Trinity College of Arts and Sciences *B.S. December 2018*
Bachelor of Science in Biophysics

HONORS/AWARDS

Bass Connections Undergraduate Research Fellowship *Summers 2016, 2017, 2018*
Fellowship awarded to undergraduate students working as full-time researcher associates during the summer.

iGEM Competition Silver Medal Recipient *November 2016*
Duke iGEM was awarded a silver medal for their research optimizing the biosynthesis of the chemotherapeutic, paclitaxel, in *E. coli*.

iGEM Competition Silver Medal Recipient *October 2015*
Duke iGEM was awarded a silver medal for their research designing gene circuits for induction of programable cell death genes.

Howard Hughes Undergraduate Research Fellowship *March 2015*
Merit-based fellowship awarded to undergraduate students at Duke University participating in bioscience research.

PUBLICATIONS

Managing the SOS Response for Enhanced CRISPR-Cas-Based Recombineering in E. coli through Transient Inhibition of Host RecA Activity

Eirik Adim Moreb, Benjamin Hoover, Adam Yaseen, Nisakorn Valyasevi, Zoe Roecker, Romel Menacho-Melgar, and Michael D. Lynch
ACS Synthetic Biology **2017** *6* (12), 2209-2218
DOI: 10.1021/acssynbio.7b00174

PRESENTATIONS

"iGEM: An Undergraduate Research Experience"

Funding presentation for Duke Pratt School of Engineering Alumni Council. Duke University, NC. April 21st, 2018

"Using co-dominant negative RecA to enhance CRISPR/Cas9-mediated recombineering"

Discovery Across Disciplines Poster Presentation for 2017 Donor Recognition Celebration. Duke University, NC. October 29th, 2017

"Getting Started in Research"

Selected to present research experiences at a forum for 1st year Duke undergraduate students interested in STEM. Duke University, NC. September 19th, 2017

"Biosynthesis of Taxol in *E.coli*"

International Genetically Engineered Machine Competition Jamboree. Hynes Convention Center, Boston, MA. October 30th, 2016

"Induction of Programmed Cell Death in *E.coli*"

International Genetically Engineered Machine Competition Jamboree. Hynes Convention Center, Boston, MA. September 26th, 2015

"Maximizing Ultrasensitivity in CRISPR"

Howard Hughes Undergraduate Research Fellows Symposium. Duke University, NC. July 24th, 2015