



M2c-state specific promoters

# Iterative Engineering of Polarization-State Responsive Synthetic Promoters for Autonomous Control of Macrophage Polarization Logic

**Frances Liu<sup>1</sup>**, Michelle Hung<sup>1</sup>, Assen Roguev<sup>1</sup>, Magdalena Cichewicz<sup>1</sup>, Yin Yin Chong<sup>1</sup>, Cesar Juarez<sup>1</sup>, William Hendriks<sup>2</sup>, Jessica Haverkamp<sup>2</sup>, Mark Tomishima<sup>3</sup>, Timothy Lu<sup>4</sup>, Russell Gordley<sup>1</sup>, and Philip Lee<sup>5</sup> <sup>1</sup>GeneFab, LLC, South San Francisco, CA and <sup>4</sup>Alameda, CA; <sup>2</sup>BlueRock Therapeutics, LP, Cambridge, MA and <sup>3</sup>New York, NY; <sup>5</sup>Senti Biosciences, Inc, South San Francisco, CA







