

## **Michael Church, Ph. D**

Postdoctoral Research Associate

### Education

October 2010 to November 2015: Department of Microbiology, Trinity College Dublin, The University of Dublin, Ireland. Awarded the degree of Ph.D. for a thesis entitled "Investigating regulation of gene transcription by the Tup1-Ssn6 co-repressor complex in *Saccharomyces cerevisiae*." Work supervised by Dr. Alastair B. Fleming.

### Publications

1. Church MC, Price A, Li H, Workman JL (2023) The Swi-Snf chromatin remodeling complex mediates gene repression through metabolic control. Manuscript under revision at *Nucleic Acids Research*
2. Lee B, Church MC, Hokamp K, Al-hussain M, Bamagoos AA, Fleming AB (2023) Systematic analysis of *tup1* and *cyc8* mutants reveals distinct roles for *TUP1* and *CYC8* and offers new insight into the regulation of gene transcription by the yeast Tup1-Cyc8 complex. Manuscript under review at *PLoS Genetics*
3. Church MC, Workman JL, Suganuma T (2021) Macrophages, Metabolites, and Nucleosomes: Chromatin at the Intersection between Aging and Inflammation. *Int. J. Mol. Sci.*, 22(19), 10274
4. Church MC, Fleming AB. (2017) A role for histone acetylation in regulating transcription elongation. *Transcription*. 8:1-8.
5. Church M, Smith KC, Alhussain MM, Pennings S, Fleming AB (2017). Sas3 and Ada2 (Gcn5)-dependent histone H3 acetylation is required for transcription elongation at the de-repressed *FLO1* gene. *Nucleic Acids Res* 45(8):4413-4430.
6. Haran J, Boyle H, Hokamp K, Yeomans T, Liu Z, Church M, Fleming AB, Anderson MZ, Berman J, Myers LC, Sullivan DJ, Moran GP (2014). Telomeric ORFs (TLOs) in *Candida* spp. encode mediator subunits that regulate distinct virulence traits. *PLoS Genet*. 10(10):e1004658
7. Fleming AB, Beggs S, Church M, Tsukihashi Y, Pennings S. (2014). The yeast Tup1-Cyc8 (Ssn6) complex cooperates with the Hda1 and Rpd3 histone deacetylases to robustly repress transcription of the subtelomeric *FLO1* gene. *Biochim Biophys Acta GRM*. 1839(11):1242-55