Michael Church, Ph. D
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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, Workman JL (2024). The SWI/SNF chromatin remodeling complex: a critical regulator of metabolism. *Biochemical Society Transactions, BST20231141*
2. Church MC, Price A, Li H, Workman JL (2023) The Swi-Snf chromatin remodeling complex mediates gene repression through metabolic control. *Nucleic Acids Research, gkad711.*
3. Lee B, Church M, 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. *PLoS Genet 19(8):e1010876.*
4. 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*
5. Church MC, Fleming AB. (2017) A role for histone acetylation in regulating transcription elongation. *Transcription. 8:1-8.*
6. 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.*
7. 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*
8. 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*