

Publications

Greenstein RA, Barrales RR, Sanchez NA, Bisanz JE, Braun S, **Al-Sady B** "*Set1/COMPASS repels heterochromatin invasion at euchromatic sites by disrupting Suv39/Clr4 activity and nucleosome stability*" **Genes & Development** . 2019;Dec 5. doi: 10.1101/gad.328468.119.

Greenstein RA, Jones Jr. SK, Spivey EC, Rybarski JR, Finkelstein IJ, **Al-Sady B** "*Noncoding RNA -nucleated heterochromatin spreading is intrinsically labile and requires accessory elements for epigenetic stability.*" **eLife** . 2018; 7:e32948 DOI: 10.7554/eLife.32948

Al-Sady B, Greenstein RA, El-Samad HJ, Braun S, Madhani HD. "Sensitive and Quantitative *Three-Color Protein Imaging in Fission Yeast Using Spectrally Diverse, Recoded Fluorescent Proteins with Experimentally-Characterized In Vivo Maturation Kinetics.*" **PLoS One**. 2016 Aug 1;11(8):e0159292. doi: 10.1371/journal.pone.0159292. eCollection 2016.

Garcia JF, **Al-Sady B**, Madhani HD. **G3** "*Intrinsic Toxicity of Unchecked Heterochromatin Spread Is Suppressed by Redundant Chromatin Boundary Functions in Schizosaccharomyces pombe.*" **G3 (Bethesda)**. 2015 May 8. pii: g3.115.018663. doi: 10.1534/g3.115.018663

Al-Sady B, Madhani HD and Narlikar GJ "*Division of labor between the chromodomains of HP1 and Suv39 methylase enables coordination of heterochromatin spread ?.*" **Molecular Cell**, 2013, Jul 11; 51(1):80-91.

Shiau C, Trnka MJ, Bozicevic A, Ortiz Torres I, **Al-Sady B**, Burlingame AL, Narlikar GJ, Galoni F, Fujimori D "*Reconstitution of nucleosome demethylation and catalytic properties of a jumonji histone demethylase.*" **Chemistry and Biology** 20, 494 (2013)

Canzio D, Chang E, Shankar S, Kuchenbecker K, Simon MD, Madhani HD, Narlikar GJ* and **Al-Sady B*** "*Chromodomain-mediated oligomerization of HP1 suggests a nucleosome bridging mechanism for heterochromatin assembly*", **Molecular Cell**, 2011, Jan 7;41(1):67-81. *corresponding authors.

Leivar P, Tepperman JM, Cohn MM, Monte E, **Al-Sady B**, Erickson E and Quail PH "*Dynamic Antagonism Between Phytochromes and PIF-family bHLH Factors Generates Selective Reciprocal Responses During Deetiolation and Shade-avoidance in a Rapidly Light-responsive Transcriptional Network?*" **Plant Cell**. April 2012

Al-Sady B, Kikis E, Monte E and Quail PH ?*Mechanistic duality of transcription factor function in phytochrome signaling?* **Proc. Natl. Acad. Sci. U S A.** 2008, Feb 12;105(6):2232-7.

Leivar P *, Monte E *,**Al-Sady B**, Carle C, Storer A, Alonso JM, Ecker JR, and Quail PH "*The Arabidopsis phytochrome-interacting factor PIF7, together with PIF3 and PIF4, regulates responses to prolonged red light by modulating phyB levels.*" **Plant Cell.** 2008 Feb; 20(2):337-52. Epub 2008 Feb 5. *shared authorship

Al-Sady B, Ni W, Kircher S, Schäfer E and Quail PH ?*Photoactivated phytochrome induces rapid PIF3 phosphorylation prior to proteasome-mediated degradation?* **Molecular Cell**, 2006, Aug 4; 23,(3): 439-446

Metz M, Dahlbeck D, Morales CQ, **Al-Sady B**, Clark ET, Staskawicz BJ?*The conserved Xanthomonas campestris pv. esicatoria effector protein XopX is a virulence factor and suppresses host defense in Nicotiana benthamiana.*? **Plant Journal.** 2005 Mar; 41 (6):801-14.

Huq E, **Al-Sady B**, Hudson M, Kim C, Apel K, Quail PH ?*Phytochrome-interacting factor 1 is a critical bHLH regulator of chlorophyll biosynthesis.*? **Science**, 2004, Sep 24; 305 (5692):1937-41.

Monte E, Tepperman J, **Al-Sady B**,Kaczorowski KA, Alonso JM, Ecker JR, Li X, Zhang Y, Quail PH. ?*The phytochrome-interacting transcription factor, PIF3, acts early, selectively, and positively in light-induced chloroplast development.*? **Proc. Natl. Acad. Sci. U S A**, 2004 Nov 16; 101 (46):16091-8.

Khanna R, Huq, E, Kikis E, **Al-Sady B**, Lanzatella C and Quail PH?*A novel molecular recognition motif necessary for targeting photoactivated phytochrome signaling to specific basic helix-loop-helix transcription factors.*? **Plant Cell.** 2004 Nov; 16 (11):3033-44.

Huq E, **Al-Sady B** and Quail PH ?*Nuclear import of Phytochrome B is necessary for its biological function?*, **Plant Journal**, 2003, Sep; 35 (5):660-4.

Contact Us
UCSF Main Site

© 2013 The Regents of the University of California

Source URL: <https://al-sadylab.ucsf.edu/publications>

Links

[1]

<http://www.biomedexperts.com/Abstract/Abstract.aspx?recordid=23601638&login=alsady&lid=20130425>