

## Publications

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Yam CQX, Chia DB, Shi I, Lim HH\* and Surana U\* (2020)

Dun1, a Chk2-related kinase, is the central regulator of securin-separase dynamics during DNA damage signaling

***Nucleic Acids Research (In press)***

Low DE, Tang MM, Surana U, Lee JY, Pramano ZAD, Leong KF (2019)

H syndrome - the first report in Malaysia

***Int J Dermatol.*** 2019 Jun 13. doi: 10.1111/ijd.14518.

Leong KF, Sato R, Surana U, Pramono ZAD (2019)

Blau Syndrome associated with nucleotide-binding oligomerization domain containing 2 mutation in a baby from Malaysia

***Ind J Dermatology*** 64:400-403

Ruan W\*, Venkatachalam G\*, Sobota RM, Chen L, Wang LC, Jacobson A, Paramshivam K and Surana U (2019)

Resistance to anti-microtubule drug-induced cell death is determined by regulation of BimEL expression

***Oncogene*** 38:4352-4365

Ruan W, Lim HH and Surana U (2019)

Mapping mitotic death: Functional integration of mitochondria, spindle assembly checkpoint and apoptosis

***Frontiers Cell Dev Biol*** 6:117

Ng CT, Li D, Chen C, Lim HH, Jian Shi J, Surana U, and Gan L (2019)

Electron cryotomography analysis of Dam2C/DASH at the kinetochore-spindle interface in situ

***J Cell Biol*** 218:455-473

Kannan S, Venkatachalam G, Lim HH, Surana U, Verma C (2018)

Conformational landscape of Epidermal growth factor receptor kinase reveals a mutant specific allosteric pocket

***Chemical Science*** 9:5212-5222

Lin J, Lee JJH, Paramasivam K, Pathak E, Wang Z, Pramono ZAD, Lim B, Wee KB and Surana U (2017)

Nonsense-mediated decay of glycine decarboxylase transcripts as an anticancer therapeutic strategy for non-small cell lung carcinoma

***Molecular Therapy N. A.*** 9:263-273

Venkatachalam G, Surana U and Clément M-V (2017)

Replication stress-induced endogenous DNA damage drives cellular senescence induced by a sub-lethal oxidative stress

***Nuclei Acids Research*** 45:10564-10582

Radiono S \*, Pramono ZAD \*, Oh GGK, Surana U, Widiyani S, Danarti R (2017)

Identification of Novel Homozygous SLURP1 Mutation in a Javanese Family with Mal de Meleda

***International Journal of Dermatology*** 56:1161-1168

Her Z, Yong KSM, Paramasivam Kathirvel, Tan WWS, Liu M, Chan XY, Tan SY, Man HK, Surana U\*, and Chen Q\* (2017)

An improved pre-clinical patient-derived liquid xenograft mouse model for acute myeloid leukemia

***Journal of Hematology and Oncology*** 10:162-176

Chen C, Lim HH, Shi J, Tamura S, Maeshima K, Surana U and Gan L (2016)

Budding yeast chromatin is dispersed in a crowded nucleoplasm.

***Mol Biol Cell*** 27:3357-3368

Zhang T, Si-Hoe SL, Hudson DF and Surana U (2016)

Condensin recruitment to chromatin is inhibited by checkpoint kinase Chk2 in response to DNA damage

***Cell Cycle (In press)***

Liang H, Esposito A, De S, Ber S, Collin P, Surana U, Venkitaraman AR (2014)

Homeostatic control of polo-like kinase-1 engenders non-genetic heterogeneity in G2 checkpoint fidelity and timing

***Nature Commun*** 5:4048.

Yu H, Lim HH et al. (2014)

Chaperoning HMG2 protein protects stalled replication forks in stem and cancer cells

***Cell Rep*** 6:684-697

Khong J.H., Zhang T., Gunaratne J., Blackstock W. and Surana U. (2012)

'Reductional anaphase' in replication defective cells is caused by ubiquitin conjugating enzyme Cdc34-mediated deregulation of the spindle

**Cell Cycle** 11:2896-2910

Surana U., Liang H. and Lim H.H. (2012)

Staging a recovery from mitotic arrest

**BioArchitecture** 2:33-37.

Wee K.B., Yio W.K., Surana U., Chiam K.H. (2012)

Transcription factor oscillations induce differential gene expressions

**Biophysical J** 102:2413-2423

Liang H., Lim H.H., Venkitaraman A. and Surana U. (2012)

Cdk1 promotes kinetochore bi-orientation and regulates Cdc20 expression during recovery from spindle checkpoint arrest

**EMBO J** 31:403-416.

Surana U and Lim H.H. (2011)

Suppressive side of yeast cyclins

**Cell Cycle** 15;10(18).

Davey G. Wu B., Dong Y., Surana U. and Davey C. (2010)

DNA stretching in the nucleosome facilitates alkylation by an intercalating antitumour Agent

**Nucleic Acids Research** 38:2081-2088.

Phong M.S., Van-Horn R.D., Li S., Tucker-Kellog G., Surana U. and Ye X.S. (2010)

The p38 MAPK promotes cell survival but is not required for G2 checkpoint arrest of cancer cells in response to DNA damage

**Mol. Cell. Biol.** 30:3816-3826

Zhang T., Nirantar S., Lim H. H., Sinha I., and Surana U. (2009)

DNA damage checkpoint maintains Cdh1 in active state to inhibit anaphase progression

**Developmental Cell** , 17:541-551.

Lim H. H., Zhang T. and Surana U (2009)

Regulation of Centrosome Separation in yeast and vertebrates: common threads

**Trends in Cell Biology**, 19:325-333.

Keng B. N., Surana U, Aguda B. (2009)

Oscillation of the p53-Akt Network: Implication on cell survival and death

***PLoS One*** 4(2):e4407.

Dhar P. K., Thwin C.S., Tun K., Tsumoto Y., Maurer-Stroh, S., Eisenhaber F. and Surana U. (2009)

Synthesizing non-native parts from native genome

***J. Biol. Eng.*** 3(1):2.

Crasta K., Lim H. H., Zhang T., Nirantar S. And Surana U. (2008)

Consorting kinases, end of destruction and birth of a spindle.

***Cell Cycle*** 7:2960-2966.

Crasta K., Lim H. H., T. H. Giddings Jr, M. Winey and Surana U. (2008)

Inactivation of Cdh1 by synergistic action of Cdk1 and Polo kinase is necessary for proper assembly of mitotic spindle

***Nature Cell Biology*** 10: 665-675.

Dong Y., Ng W. K., Surana U., Tan, R. (2008)

Solubilisation and preformulation of poorly water soluble and hydrolysis susceptible N-epoxymethyl-1,8-naphthalimide (ENA) compound

***International Journal of Pharmaceutics*** 356 (1-2):130-136.

Krishnan V., Dirick L., Lim H. H., Lim T. S. J., Si-Hoe S. L., Cheng C. S., Yap K., Ting A., Schwob E. and Surana U. (2007)

A small molecule inhibitor of cell cycle that irreversibly stalls replication forks and activates S phase checkpoint.

***Cell Cycle*** 6 (issue 13)

Crasta K. and Surana U. (2006)

Disjunction of conjoined twins: Cdk1, Cdh1 and separation of centrosomes.

***BMC-Cell Division*** (BioMed Central) 1:12.

Crasta K., Huang P., Morgan G., Winey M. and Surana U. (2006).

Activated Cdk1 promotes centrosome separation by preventing Cdh1-mediated proteolysis of microtubule associated proteins.

***EMBO J.*** 25:2551-2563

Zhang Tao, Lim H. H., Cheng C. S. and Surana U. (2006)  
Deficiency of centromere-associated protein Slk19 causes premature nuclear migration and loss of centromeric elasticity.

**J. Cell Science** 119:519-531.

Padmashree C. G. and Surana U. (2005)  
Cdc42-mediated Bud Site Assembly in Yeast is Independent of Its GDP/GTP Exchange Factor Cdc24 but Requires COPI Coatamer Complex.

**E. J. Cell Biol.** 84:939-49.

Krishnan V. and Surana U. (2005)  
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**Cell Cycle** 4(3): e68-e71

Tan L. C. A., Padmashree C. G. R. and Surana U. (2005)  
Essential tension and constructive destruction: the spindle checkpoint and its regulatory links with mitotic exit.

**Biochem J.** 386(1):1-13

Krishnan V., Nirantar S., Crasta K., Cheng A. Y. H. and Surana U. (2004)  
DNA-Replication Checkpoint prevents precocious chromosome segregation by regulating spindle dynamics

**Mol. Cell** 16:687-700

Lim H. H., Yeong F. M. and Surana U. (2003)  
Inactivation of mitotic kinase triggers translocation of MEN components to mother-daughter neck in yeast

**Mol. Biol Cell** 14:4734-4743

Lim H. H. and Surana U. (2003)  
Tome-1, wee1 and onset of mitosis: coupled destruction for timely entry

**Mol. Cell** 11:845-846

Chawla, G., Sapra, A., Surana U., and Vijayraghavan U. (2003)  
Dependence of Pre-mRNA introns on PRP17, a non-essential slicing factor: implication for efficient progression through cell cycle transition

**Nucleic Acid Res.** 31:2333-2343

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Yeong F. M., Lim, H. H., Wang, Y. and Surana U. (2001)  
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**Mol. Cell. Biol.**, 21:5071-5081.

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**J. Cell Sci.** 114:207-218.

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Tying the Knot: Linking cytokinesis to the nuclear division  
**J. Cell Sci.** 113:1503-1513.

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**Mol. Cell** 5:501-511.

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**Eur. J. Biochem.** 267:434-449.

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**Mol. Cell. Biol.** 19:3312-3327.

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**Curr. Biol.** 8:231-234.

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**Mol. Gen. Genet.** 251:38-43.

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**Mol. Gen. Genet.** 253:138-148.

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**Mol. Cell. Biol.** 16:6385-6397.

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**EMBO J.** 12:1969-1978.

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**Mol. Biol. Cell** 3:805-818.

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**J. Bacteriol.** 173:197-203.

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**J. Bacteriol.** 173:204-210.

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**Physiol. Mol. Plant Pathol.** 29:19-25.



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***Ann. Inst. Pasteur Microbiol.*** 136A:99-103.