

**Supplement 2: Influence of different forms of cellular work on hallmarks of cancer.**

Hallmarks of cancer cells	Synthesis/degradation catalysis	Concentration work	Electrical work	Mechanical work
<b>Immortality</b>	Cagatay Gunesb, Alush Irene Avila, K. Lenhard Rudolph. <b>Telomeres in cancer</b> . Differentiation 99, 41–50 (2018). <a href="https://doi.org/10.1016/j.diff.2017.12.004">https://doi.org/10.1016/j.diff.2017.12.004</a>  Lifeng Xu, Shang Li, Bradley A Stohr. <b>The Role of Telomere Biology in Cancer</b> . Annu Rev Pathol Mech Dis 8, 1, (2012). DOI: 10.1146/annurev-pathol-020712-164030	Natalia Prevarskaya, Roman Skryma, Yaroslav Shuba. <b>Ion channels and the hallmarks of cancer</b> . Trends Mol Med., 16(3):107-21 (2010). doi: 10.1016/j.molmed.2010.01.005. <i>Ion channels have a decisive influence on signal transmission and can simulate mutational effects in signaling cascades. They have an influence on all hallmarks and characteristics of cancer cells.</i>		
<b>Continued proliferation</b>	Weinberg Robert. <b>The biology of cancer</b> . Second Edition, Garland Science. (2014). ISBN: 978-0-0153-4219-9  Li-Hui Wang, Chun-Fu Wu, Nirmal Rajasekaran, Young Kee Shin. <b>Loss of Tumor Suppressor Gene Function in Human Cancer: An Overview</b> . Cell Physiol Biochem. 51:2647-2693 (2018). DOI: 10.1159/000495956  Gimple RC and Wang X. <b>RAS Striking at the Core of the Oncogenic Circuitry</b> . Front. Oncol. 9:965. (2019). doi: 10.3389/fonc.2019.00965  T. Zhan, N. Rindtorff and M. Boutros. <b>Wnt signaling in cancer</b> . Oncogene 36, 1461–1473. (2017). doi:10.1038/onc.2016.304	Donna Dang, Rajini Rao. <b>Calcium-ATPases: Gene disorders and dysregulation in cancer</b> . Biochimica et Biophysica Acta (BBA) - Molecular Cell Research, Vol. 1863, 6, Part B, 1344-1350 (2016) <a href="https://doi.org/10.1016/j.bbamcr.2015.11.016">https://doi.org/10.1016/j.bbamcr.2015.11.016</a>  Litan A and Langhans SA. <b>Cancer as a channelopathy: ion channels and pumps in tumor development and progression</b> . Front. Cell. Neurosci. 9:86. (2015). doi: 10.3389/fncel.2015.00086  Litan A and Langhans SA. <b>Cancer as a channelopathy: ion channels and pumps in tumor development and progression</b> . Front. Cell. Neurosci. 9:86. (2015). doi: 10.3389/fncel.2015.00086  Swietach P, Vaughan-Jones, RD, Harris AL, Hulikova A. <b>The chemistry, physiology and pathology of pH in cancer</b> . Phil. Trans. R. Soc. B 369: 20130099. (2014). <a href="http://dx.doi.org/10.1098/rstb.2013.0099">http://dx.doi.org/10.1098/rstb.2013.0099</a>  Natalia Prevarskaya, Roman Skryma, Yaroslav Shuba. <b>Ion channels and the hallmarks of cancer</b> . Trends Mol Med., 16(3):107-21 (2010). doi: 10.1016/j.molmed.2010.01.005. Epub 2010 Feb 16.  Zoltán Pethő, Karolina Najder, Etma rBulk, Albrecht Schwab. <b>Mechanosensitive ion channels push cancer progression</b> . Cell Calcium, Vol. 80, 79-90. (2019). doi.org/10.1016/j.ceca.2019.03.007	Chiara Galber, Manuel Jesus Acosta, Giovanni Minervini and Valentina Giorgio. <b>The role of mitochondrial ATP synthase in cancer</b> . Biological Chemistry, 401:11, 1199–1214 (2020). doi.org/10.1515/hsz-2020-0157  Laura Stransky, Kristina Cotter and Michael Forgac. <b>The Function of V-ATPases in Cancer</b> . Pysiol. Rev. Vol. 96, 3, 1071-1091 (2016). doi.org/10.1152/physrev.00035.2015	Sneeggen M, Guadagni NA and Progida C. <b>Intracellular Transport in Cancer Metabolic Reprogramming</b> . Front. Cell Dev. Biol. 8:597608 (2020). doi: 10.3389/fcell.2020.597608  Benjamin L Ricca, Gautham Venugopalan, Saori Furuta, Kandice Tanner, et al. <b>Transient external force induces phenotypic reversion of malignant epithelial structures via nitric oxide signaling</b> . eLIFE (2018). eLife 2018;7:e26161 doi: 10.7554/eLife.26161  Humphrey, J., Dufresne, E. & Schwartz, M. <b>Mechanotransduction and extracellular matrix homeostasis</b> . Nat Rev Mol Cell Biol 15, 802–812 (2014). doi.org/10.1038/nrm3896  Elster JD, McGuire TF, Lu J, Prochownik EV. <b>Rapid In Vitro Derivation of Endothelium Directly from Human Cancer Cells</b> . PLoS ONE 8(10): e77675. (2013). doi:10.1371/journal.pone.0077675  Butcher DT, Alliston T, Weaver VM. <b>A tense situation: forcing tumour progression</b> . Nat Rev Cancer. 9(2):108-122. (2009) doi:10.1038/nrc2544  Sui Huang and Donald E. Ingber. <b>Cell tension, matrix mechanics, and cancer development</b> . Cancer Cell, Vol. 8, 3, 175-176 (2005). doi.org/10.1016/j.ccr.2005.08.009  Schwartz, L., da Veiga Moreira, J. and Jolicoeur, M. (2018), <b>Physical forces modulate cell differentiation and proliferation processes</b> . J. Cell. Mol. Med., 22: 738-745. <a href="https://doi.org/10.1111/jcmm.13417">https://doi.org/10.1111/jcmm.13417</a>
<b>Circumventing physiological cell death</b>	Weinberg Robert. <b>The biology of cancer</b> . Second Edition, Garland Science. (2014) ISBN: 978-0-0153-4219-9  Li-Hui Wang, Chun-Fu Wu, Nirmal Rajasekaran, Young Kee Shin. <b>Loss of Tumor Suppressor Gene Function in Human Cancer: An Overview</b> . Cell Physiol Biochem. 51:2647-2693 (2018). DOI: 10.1159/000495956	Donna Dang, Rajini Rao. <b>Calcium-ATPases: Gene disorders and dysregulation in cancer</b> . Biochimica et Biophysica Acta (BBA) - Molecular Cell Research, Vol. 1863, 6, Part B, 1344-1350 (2016) doi.org/10.1016/j.bbamcr.2015.11.016  Litan A and Langhans SA. <b>Cancer as a channelopathy: ion channels and pumps in tumor development and progression</b> . Front. Cell. Neurosci. 9:86 (2015). doi: 10.3389/fncel.2015.00086  Natalia Prevarskaya, Roman Skryma, Yaroslav Shuba. <b>Ion channels and the hallmarks of cancer</b> . Trends Mol Med., 16(3):107-21 (2010). doi: 10.1016/j.molmed.2010.01.005. Epub 2010 Feb 16.	Chiara Galber, Manuel Jesus Acosta, Giovanni Minervini and Valentina Giorgio. <b>The role of mitochondrial ATP synthase in cancer</b> . Biological Chemistry, 401:11, 1199–1214 (2020) DOI: <a href="https://doi.org/10.1515/hsz-2020-0157">https://doi.org/10.1515/hsz-2020-0157</a>  Laura Stransky, Kristina Cotter and Michael Forgac. <b>The Function of V-ATPases in Cancer</b> . Pysiol. Rev. Vol. 96, 3, 1071-1091 (2016). doi.org/10.1152/physrev.00035.2015  Evangelos Giampazolias and Stephen W.G. Tait. <b>Mitochondria and the hallmarks of cancer</b> . FEBS Journal 283 803–814 (2016) doi:10.1111/febs.13603	Cheng G, Tse J, Jain RK, Munn LL. <b>Micro-Environmental Mechanical Stress Controls Tumor Spheroid Size and Morphology by Suppressing Proliferation and Inducing Apoptosis in Cancer Cells</b> . PLoS ONE 4(2): e4632 (2009). doi:10.1371/journal.pone.0004632  Chartier, N.T., Mukherjee, A., Pfanzelter, J. et al. <b>A hydraulic instability drives the cell death decision in the nematode germline</b> . Nat. Phys. 17, 920–925 (2021). <a href="https://doi.org/10.1038/s41567-021-01235-x">https://doi.org/10.1038/s41567-021-01235-x</a>
<b>Circumventing growth suppression</b>	Weinberg Robert. <b>The biology of cancer</b> . Second Edition, Garland Science. (2014). ISBN: 978-0-0153-4219-9  Li-Hui Wang, Chun-Fu Wu, Nirmal Rajasekaran, Young Kee Shin. <b>Loss of Tumor Suppressor Gene Function in Human Cancer: An Overview</b> . Cell Physiol Biochem. 51:2647-2693 (2018). DOI: 10.1159/000495956	Donna Dang, Rajini Rao. <b>Calcium-ATPases: Gene disorders and dysregulation in cancer</b> . Biochimica et Biophysica Acta (BBA) - Molecular Cell Research, Vol. 1863, 6, Part B, 1344-1350 (2016) <a href="https://doi.org/10.1016/j.bbamcr.2015.11.016">https://doi.org/10.1016/j.bbamcr.2015.11.016</a>  Litan A and Langhans SA. <b>Cancer as a channelopathy: ion channels and pumps in tumor development and progression</b> . Front. Cell. Neurosci. 9:86. (2015). doi: 10.3389/fncel.2015.00086		
<b>Disturbed energy balance and metabolism</b>	Ralph J Deberardinis. <b>Is cancer a disease of abnormal cellular metabolism? New angles on an old idea</b> . Genetics in Medicine, vol 10, 767–777 (2008)  Sinkala, M., Mulder, N. & Patrick Martin, D. <b>Metabolic gene alterations impact the clinical aggressiveness and drug responses of 32 human cancers</b> . Commun Biol 2, 414 (2019). <a href="https://doi.org/10.1038/s42003-019-0666-1">https://doi.org/10.1038/s42003-019-0666-1</a>		Chiara Galber, Manuel Jesus Acosta, Giovanni Minervini and Valentina Giorgio. <b>The role of mitochondrial ATP synthase in cancer</b> . Biological Chemistry, 401:11, 1199–1214 (2020) doi.org/10.1515/hsz-2020-0157  Evangelos Giampazolias and Stephen W.G. Tait. <b>Mitochondria and the hallmarks of cancer</b> . FEBS Journal 283 803–814 (2016). doi:10.1111/febs.13603  Gatenby, R., Gillies, R. <b>Why do cancers have high aerobic glycolysis?</b> Nat Rev Cancer 4, 891–899 (2004). doi.org/10.1038/nrc1478  Warburg, Otto. <b>"On the Origin of Cancer Cells."</b> Science, vol. 123, no. 3191, 1956, pp. 309–314. JSTOR, www.jstor.org/stable/1750066.	Park, J.S., Burckhardt, C.J., Lazcano, R. et al. <b>Mechanical regulation of glycolysis via cytoskeleton architecture</b> . Nature 578, 621–626 (2020). <a href="https://doi.org/10.1038/s41586-020-1998-1">https://doi.org/10.1038/s41586-020-1998-1</a>  Isogai, T., Park, J. and Danuser, G. <b>Cell forces meet cell metabolism</b> . Nat Cell Biol 19, 591–593 (2017). doi.org/10.1038/ncb3542  Romani, P., Valcarcel-Jimenez, L., Frezza, C. et al. <b>Crosstalk between mechanotransduction and metabolism</b> . Nat Rev Mol Cel Biol 22, 22–38 (2021). <a href="https://doi.org/10.1038/s41580-020-00306-w">https://doi.org/10.1038/s41580-020-00306-w</a>  Clifford P. Brangwynne, Timothy J. Mitchison, Anthony A. Hyman. <b>Active liquid-like behavior of nucleoli determines their size and shape in Xenopus laevis oocytes</b> . PNAS, 108 (11) 4334–4339, (2011). DOI: 10.1073/pnas.1017150108 ATP loss leads to viscosity changes of the nucleoli.
<b>Invasion und Metastasierung</b>	Fares, J., Fares, M.Y., Khachfe, H.H. et al. <b>Molecular principles of metastasis: a hallmark of cancer revisited</b> . Sig Transduct Target Ther 5, 28 (2020). <a href="https://doi.org/10.1038/s41392-020-0134-x">https://doi.org/10.1038/s41392-020-0134-x</a>  Ross C, Szczepanek K, Lee M, Yang H, Qiu T, Sanford JD, et al. <b>The genomic landscape of metastasis in treatment-naïve breast cancer models</b> . PLoS Genet 16(5): e1008743. (2020). doi.org/10.1371/journal.pgen.1008743	Donna Dang, Rajini Rao. <b>Calcium-ATPases: Gene disorders and dysregulation in cancer</b> . Biochimica et Biophysica Acta (BBA) - Molecular Cell Research, Vol. 1863, 6, Part B, 1344-1350 (2016) doi.org/10.1016/j.bbamcr.2015.11.016  Litan A and Langhans SA. <b>Cancer as a channelopathy: ion channels and pumps in tumor development and progression</b> . Front. Cell. Neurosci. 9:86 (2015). doi: 10.3389/fncel.2015.00086  Natalia Prevarskaya 1 , Roman Skryma, Yaroslav Shuba. <b>Ion channels and the hallmarks of cancer</b> . Trends Mol Med., 16(3):107-21 (2010). doi: 10.1016/j.molmed.2010.01.005.	Chiara Galber, Manuel Jesus Acosta, Giovanni Minervini and Valentina Giorgio. <b>The role of mitochondrial ATP synthase in cancer</b> . Biological Chemistry, 401:11, 1199–1214 (2020). doi.org/10.1515/hsz-2020-0157  Evangelos Giampazolias and Stephen W.G. Tait. <b>Mitochondria and the hallmarks of cancer</b> . FEBS Journal 283 803–814 (2016). doi:10.1111/febs.13603  Laura Stransky, Kristina Cotter and Michael Forgac. <b>The Function of V-ATPases in Cancer</b> . Pysiol. Rev. Vol. 96, 3, 1071-1091 (2016). doi:https://doi.org/10.1152/physrev.00035.2015	Janet M. Tse, Gang Cheng, James A. Tyrrell, Sarah A., et al. <b>Mechanical compression drives cancer cells toward invasive phenotype</b> . PNAS, 109 (3) 911-916, (2012). doi:10.1073/pnas.1118910109

Genomic instability	Elisabeth S. Wenzel, Amareshwar T. K. Singh. <b>Cell-cycle Checkpoints and Aneuploidy on the Path to Cancer.</b> <i>In Vivo</i> , 32, 1-5, (2018). doi:10.21873/in vivo.11197	Joshua R.Veatch, Michael A.McMurray, Zara W.Nelson, Daniel E.Gottschling. <b>Mitochondrial Dysfunction Leads to Nuclear Genome Instability via an Iron-Sulfur Cluster Defect.</b> <i>Cell</i> , Vol 137, 7, 1247-1258 (2009)	Evangelos Giampazolias and Stephen W.G. Tait. <b>Mitochondria and the hallmarks of cancer.</b> <i>FEBS Journal</i> 283 803–814 (2016). doi:10.1111/febs.13603	Takeshi Itabashi, Yasuhiko Terada, et al. <b>Mechanical impulses control metaphase progression.</b> <i>PNAS</i> , 109 (19) 7320-7325 (2012). DOI: 10.1073/pnas.1116749109
	Maciejowski, J., de Lange, T. <b>Telomeres in cancer: tumour suppression and genome instability.</b> <i>Nat Rev Mol Cell Biol</i> 18, 175–186 (2017). doi.org/10.1038/nrm.2016.171			Fink, J., Carpi, N., Betz, T. et al. <b>External forces control mitotic spindle positioning.</b> <i>Nat Cell Biol</i> 13, 771–778 (2011). doi.org/10.1038/ncb2269
	Lifeng Xu Lifeng XuShang Li Bradley A Stohr. <b>The Role of Telomere Biology in Cancer.</b> <i>Annu Rev Pathol Mech Dis</i> 8, 1, (2012). DOI: 10.1146/annurev-pathol-020712-164030			Nicolas Minc, David Burgess, Fred Chang. <b>Influence of Cell Geometry on Division-Plane Positioning.</b> <i>Cell</i> , Vol. 144, 3, 414-426 (2011). doi.org/10.1016/j.cell.2011.01.016
Tumour-promoting inflammation	Jennifer Kay, Elina Thadhani, Leona Samson, and Bevin Engelward. <b>Inflammation-Induced DNA Damage, Mutations and Cancer.</b> <i>DNA Repair</i> , 83: 102673 (2019). doi: 10.1016/j.dnarep.2019.102673	L.Munaron. <b>Systems biology of ion channels and transporters in tumor angiogenesis: An omics view.</b> <i>Biochimica et Biophysica Acta (BBA) - Biomembranes</i> , Vol. 1848, 10, Part B, Pages 2647-2656 (2015). doi.org/10.1016/j.bbamem.2014.10.031	Evangelos Giampazolias and Stephen W.G. Tait. <b>Mitochondria and the hallmarks of cancer.</b> <i>FEBS Journal</i> 283 803–814 (2016). doi:10.1111/febs.13603	
	Kawanishi, S.; Ohnishi, S.; Ma, N.; Hiraku, Y.; Murata, M. <b>Crosstalk between DNA Damage and Inflammation in the Multiple Steps of Carcinogenesis.</b> <i>Int. J. Mol. Sci.</i> 18, 1808 (2017) doi.org/10.3390/ijms18081808	Fiorio Pla A, Munaron L.. <b>Functional properties of ion channels and transporters in tumour vascularization.</b> <i>Phil. Trans. R. Soc. B</i> 369: 20130103 (2014). dx.doi.org/10.1098/rstb.2013.0099	Swietach P, Vaughan-Jones, RD, Harris AL, Hulikova A. <b>The chemistry, physiology, and pathology of pH in cancer.</b> <i>Phil. Trans. R. Soc. B</i> 369: 20130099. (2014). dx.doi.org/10.1098/rstb.2013.0099	
	KJ O'Byrne and AG Dalgleish. <b>Chronic immune activation and inflammation as the cause of malignancy.</b> <i>British Journal of Cancer</i> 85(4), 473–483 (2001)			
Induction of angiogenesis	Lugano, R., Ramachandran, M. & Dimberg, A. <b>Tumor angiogenesis: causes, consequences, challenges and opportunities.</b> <i>Cell. Mol. Life Sci.</i> 77, 1745–1770 (2020). https://doi.org/10.1007/s00018-019-03351-7	Natalia Prevarskaya, Roman Skryma,Yaroslav Shuba. <b>Ion Channels in Cancer: Are Cancer Hallmarks Oncocannelopathies?</b> <i>Physiol. Rev.</i> Vol 98, 2, 559-621 (2018) https://doi.org/10.1152/physrev.00044.2016		Florence Broders-Bondon, Thanh Huong Nguyen Ho-Boulloires et al. <b>Mechanotransduction in tumor progression: The dark side of the force.</b> <i>J Cell Biol.</i> 217(5), 1571–1587 (2018). doi: 10.1083/jcb.201701039
	S P Balasubramanian, N J Brown, and M W R Reed. <b>Role of genetic polymorphisms in tumour angiogenesis.</b> <i>Br J Cancer.</i> 4; 87(10): 1057–1065 (2002). doi: 10.1038/sj.bjc.6600625	Donna Dang, RajiniRao. <b>Calcium-ATPases: Gene disorders and dysregulation in cancer.</b> <i>Biochimica et Biophysica Acta (BBA) - Molecular Cell Research</i> , Vol. 1863, 6, Part B, 1344-1350 (2016) doi.org/10.1016/j.bbamcr.2015.11.016		LiKang Chin, Yuntao Xia, Dennis E Discher, and Paul A Janmey. <b>Mechanotransduction in cancer.</b> <i>Curr Opin Chem Eng.</i> 2016 Feb; 11: 77–84 (2016). doi: 10.1016/j.coche.2016.01.011
		Litan A and Langhans SA. <b>Cancer as a channelopathy: ion channels and pumps in tumor development and progression.</b> <i>Front. Cell. Neurosci.</i> 9:86. (2015). doi: 10.3389/fncel.2015.00086		Donald E. Ingber. <b>Mechanical Signaling and the Cellular Response to Extracellular Matrix in Angiogenesis and Cardiovascular Physiology.</b> <i>Circulation Research</i> , Vol. 91, 10, 877-887 (2002). doi.org/10.1161/01.RES.0000039537.73816.E5
Prevention of destruction by the immune system	S.Vinaya Elizabeth, P.Ryan, Graham Pawelec et al. <b>Immune evasion in cancer: Mechanistic basis and therapeutic strategies.</b> <i>Seminars in Cancer Biology</i> , Vol. 35, Suppl. Dec., 185-198 (2015). doi.org/10.1016/j.semcaner.2015.03.004	Veronica Huber, Chiara Camisaschi, Angela Berzi et al. <b>Cancer acidity: An ultimate frontier of tumor immune escape and a novel target of immunomodulation.</b> <i>Seminars in Cancer Biology</i> , Vol. 43, 74-89 (2017) doi.org/10.1016/j.semcaner.2017.03.001.	Laura Stransky, Kristina Cotter and Michael Forgac. <b>The Function of V-ATPases in Cancer.</b> <i>Physiol. Rev.</i> Vol. 96, 3, 1071-1091 (2016). doi.org/10.1152/physrev.00035.2015	
	H. Gonzalez, C. Hagerling and Z. Werb. <b>Roles of the immune system in cancer: from tumor initiation to metastatic progression.</b> <i>Genes &amp; Dev.</i> 2018. 32: 1267-1284 (2018). doi: 10.1101/gad.314617.118			
	Alka Bhatia & Yashwant Kumar. <b>Cellular and molecular mechanisms in cancer immune escape: a comprehensive review.</b> <i>Expert Review of Clinical Immunology</i> , 10:1, 41-62 (2014). DOI: 10.1586/1744666X.2014.865519			
Differentiation/ Dedifferentiation	Park, C.K., Horton, N.C. <b>Structures, functions, and mechanisms of filament forming enzymes: a renaissance of enzyme filamentation.</b> <i>Biophys Rev</i> 11, 927–994 (2019). https://doi.org/10.1007/s12551-019-00602-6 <i>Thermodynamics, structure and differentiation</i>			Humphrey, J., Dufresne, E. & Schwartz, M. <b>Mechanotransduction and extracellular matrix homeostasis.</b> <i>Nat Rev Mol Cell Biol</i> 15, 802–812 (2014). https://doi.org/10.1038/nrm3896
	Guanghong Wei, Wenhui Xi, Ruth Nussinov, and Buyong Ma. <b>Protein Ensembles: How Does Nature Harness Thermodynamic Fluctuations for Life? The Diverse Functional Roles of Conformational Ensembles in the Cell.</b> <i>Chem. Rev.</i> 116, 11, 6516–6551 (2016). doi.org/10.1021/acs.chemrev.5b00562			Jordi Alcaraz, Ren Xu, Hideyoshi Mori, Celeste M Nelson, et al. <b>Laminin and biomimetic extracellular elasticity enhance functional differentiation in mammary epithelia.</b> <i>EMBO J.</i> , 27:2829-2838, (2008) doi.org/10.1038/emboj.2008.206
	Kate Luby-Phelps. <b>The physical chemistry of cytoplasm and its influence on cell function: an update.</b> <i>Molecular Biology of the Cell</i> , Vol. 24, No. 17 (2017). doi.org/10.1091/mbc.e12-08-0617 <i>Influence of biophysics on cell function.</i>			A. WayneOrr, Brian P.Helmke, Brett R.Blackman, Martin A.Schwartz. <b>Mechanisms of Mechanotransduction.</b> <i>Developmental Cell</i> , Vol. 10, 1, 11-20 (2006). doi.org/10.1016/j.devcel.2005.12.006
	Aiman Alam-Nazki and J. Krishnan. <b>Spatial Control of Biochemical Modification Cascades and Pathways.</b> <i>Biophysical Journal</i> , Vol. 108, 12, 2912-2924 (2015). doi.org/10.1016/j.bpj.2015.05.012			V.M. Weaver,* O.W. Petersen, F. Wang et al. <b>Reversion of the Malignant Phenotype of Human Breast Cells in Three-Dimensional Culture and In Vivo by Integrin Blocking Antibodies.</b> <i>JCB</i> , Vol. 137, 1, 231–245 (1997). doi.org/10.1083/jcb.137.1.231
	Vladimir N. Uversky. <b>Intrinsically Disordered Proteins and Their "Mysterious" (Meta)Physics.</b> <i>Front. Phys.</i> , vol. 7, 10 (2019). doi.org/10.3389/fphy.2019.00010 <i>Significance of IDPs for protein function.</i>			BL Ricca, G Venugopalan, S Furuta et al. <b>Transient external force induces phenotypic reversion of malignant epithelial structures via nitric oxide signaling.</b> <i>eLife</i> 2018;7:e26161 doi: 10.7554/eLife.26161
	Vivek Kulkarnia, Prakash Kulkarnia. <b>Intrinsically disordered proteins and phenotypic switching: Implications in cancer.</b> <i>Progress in Molecular Biology and Translational Science</i> , Vol. 166, 63-84 (2019) doi.org/10.1016/bs.pmtbs.2019.03.013			Tilghman RW, Cowan CR, Mih JD, Koryakina Y, Gioeli D, Slack-Davis JK, et al. <b>Matrix Rigidity Regulates Cancer Cell Growth and Cellular Phenotype.</b> <i>PLoS ONE</i> 5(9): e12905. (201). https://doi.org/10.1371/journal.pone.0012905
	Shachaf, C., Kopelman, A., Arvanitis, C. et al. <b>MYC inactivation uncovers pluripotent differentiation and tumour dormancy in hepatocellular cancer.</b> <i>Nature</i> 431, 1112–1117 (2004). https://doi.org/10.1038/nature03043			

Legend: Compilation of publications in which it is shown that the individual forms of cellular work are causally or indirectly involved in the development or manifestation of cancer indicators.