

Student Publications September 2011

Between 2007 and September 2011, our PhD students have published 285 research papers and review articles in a range of journals. Examples of the journals that LRI students published in are:

Journal	No. Pubs	Journal	No. Pubs
Biochem J	2	J Exp Med	5
Blood	7	J Immunol	5
Cancer Res	4	J Med Genet	1
Cell	4	J Pathol	10
Cell Metab	1	Mol Biol Cell	2
Curr Biol	4	Mol Cell	9
Dev Cell	6	Mol Cell Biol	8
Development	2	Nat Cell Biol	7
EMBO J	14	Nat Genet	15
Eur J Immunol	5	Nat Immunol	4
FEBS Lett	2	Nat Med	1
Genes Dev	2	Nat Neurosci	2
Gut	3	Nat Struct Mol Biol	2
Hum Mol Genet	5	Nature	6
Immunity	6	Oncogene	2
J Biol Chem	4	PLoS Biol	1
J Cell Biol	1	Proc Natl Acad Sci USA	6
J Cell Sci	5	Science	2
J Clin Invest	1		

124 LRI publications between 2007 and September 2011 have a PhD student or Clinical Research Fellow as first author. Students and the journals they published in are shown in bold:

2011

Evans, R., Lellouch, A.C., Svensson, L., McDowall, A., and Hogg, N. (2011). The integrin LFA-1 signals through ZAP-70 to regulate expression of high-affinity LFA-1 on T lymphocytes. **Blood** 117, 3331-3342.

Genevet, A., and Tapon, N. (2011). The Hippo pathway and apico-basal cell polarity. **Biochem J** 436, 213-224.

Hsu, K.S., and Toda, T. (2011). Ndc80 internal loop interacts with Dis1/TOG to ensure proper kinetochore-spindle attachment in fission yeast. **Curr Biol** 21, 214-220.

Lee, A.J., Endesfelder, D., Rowan, A.J., Walther, A., Birkbak, N.J., Futreal, P.A., Downward, J., Szallasi, Z., Tomlinson, I.P., Howell, M., et al. (2011). Chromosomal instability confers intrinsic multidrug resistance. **Cancer Res** 71, 1858-1870.

Lewis, C.A., Griffiths, B., Santos, C.R., Pende, M., and Schulze, A. (2011a). Genetic ablation of S6-kinase does not prevent processing of SREBP1. **Adv Enzyme Regul** 51, 280-290.

Lewis, C.A., Griffiths, B., Santos, C.R., Pende, M., and Schulze, A. (2011b). Regulation of the SREBP transcription factors by mTORC1. **Biochem Soc Trans** 39, 495-499.

Milanovic, M., Radtke, S., Peel, N., Howell, M., Carriere, V., Joffre, C., Kermorgant, S., and Parker, P.J. (2011). Anomalous inhibition of c-Met by the kinesin inhibitor aurintricarboxylic acid. **Int J Cancer**.

Moal, I.H., Agius, R., and Bates, P.A. (2011). Protein-protein binding affinity prediction on a diverse set of structures. **Bioinformatics**.

Offman, M.N., Krol, M., Patel, N., Krishnan, S., Liu, J., Saha, V., and Bates, P.A. (2011). Rational engineering of L-asparaginase reveals importance of dual activity for cancer cell toxicity. **Blood** 117, 1614-1621.

Schnyder, T., Castello, A., Feest, C., Harwood, N.E., Oellerich, T., Urlaub, H., Engelke, M., Wienands, J., Bruckbauer, A., and Batista, F.D. (2011). B cell receptor-mediated antigen gathering requires ubiquitin ligase Cbl and adaptors Grb2 and Dok-3 to recruit dynein to the signaling microcluster. **Immunity** 34, 905-918.

Wu (2011). SNW1 Is a Critical Regulator of Spatial BMP Activity, Neural Plate Border Formation, and Neural Crest Specification in Vertebrate Embryos. **PLoS Biol** 9.

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Andersen, D.S., Raja, S.J., Colombani, J., Shaw, R.L., Langton, P.F., Akhtar, A., and Tapon, N. (2010). Drosophila MCRC2 associates with RNA polymerase II complexes to regulate transcription. **Mol Cell Biol** 30, 4744-4755.

Aygun, O., and Svejstrup, J.Q. (2010). RECQL5 helicase: connections to DNA recombination and RNA polymerase II transcription. **DNA Repair** (Amst) 9, 345-353.

Balestrini, A., Cosentino, C., Errico, A., Garner, E., and Costanzo, V. (2010). GEMCI is a TopBP1-interacting protein required for chromosomal DNA replication. **Nat Cell Biol** 12, 484-491.

Borges, V., Lehane, C., Lopez-Serra, L., Flynn, H., Skehel, M., Rolef Ben-Shahar, T., and Uhlmann, F. (2010). Hos1 deacetylates Smc3 to close the cohesin acetylation cycle. **Mol Cell** 39, 677-688.

Bullock, S.L., Ringel, I., Ish-Horowicz, D., and Lukavsky, P.J. (2010). A'-form RNA helices are required for cytoplasmic mRNA transport in *Drosophila*. **Nat Struct Mol Biol** 17, 703-709.

Burrell, R.A., Juul, N., Johnston, S.R., Reis-Filho, J.S., Szallasi, Z., and Swanton, C. (2010). Targeting chromosomal instability and tumour heterogeneity in HER2-positive breast cancer. **J Cell Biochem** 111, 782-790.

Fong, C.S., Sato, M., and Toda, T. (2010). Fission yeast Pcp1 links polo kinase-mediated mitotic entry to gamma-tubulin-dependent spindle formation. **EMBO J** 29, 120-130.

Genevet, A., Wehr, M.C., Brain, R., Thompson, B.J., and Tapon, N. (2010). Kibra is a regulator of the Salvador/Warts/Hippo signaling network. **Dev Cell** 18, 300-308.

Goubau, D., Rehwinkel, J., and Reis e Sousa, C. (2010). PYHIN proteins: center stage in DNA sensing. **Nat Immunol** 11, 984-986.

Hoeck, J.D., Jandke, A., Blake, S.M., Nye, E., Spencer-Dene, B., Brandner, S., and Behrens, A. (2010). Fbw7 controls neural stem cell differentiation and progenitor apoptosis via Notch and c-Jun. **Nat Neurosci** 13, 1365-1372.

Jain, D., Hebden, A.K., Nakamura, T.M., Miller, K.M., and Cooper, J.P. (2010). HAATI survivors replace canonical telomeres with blocks of generic heterochromatin. **Nature** 467, 223-227.

Jain, D., and Cooper, J.P. (2010). Telomeric strategies: means to an end. **Annu Rev Genet** 44, 243-269.

Li, X., Moal, I.H., and Bates, P.A. (2010). Detection and refinement of encounter complexes for protein-protein docking: taking account of macromolecular crowding. **Proteins** 78, 3189-3196.

Longatti, A., Orsi, A., and Tooze, S.A. (2010). Autophagosome formation: not necessarily an inside job. **Cell Res** 20, 1181-1184.

Maskell, D.P., Hu, X.W., and Singleton, M.R. (2010). Molecular architecture and assembly of the yeast kinetochore MIND complex. **J Cell Biol** 190, 823-834.

Mirchenko, L., and Uhlmann, F. (2010). Sli15(INCENP) dephosphorylation prevents mitotic checkpoint reengagement due to loss of tension at anaphase onset. **Curr Biol** 20, 1396-1401.

Moal, I.H., and Bates, P.A. (2010). SwarmDock and the Use of Normal Modes in Protein-Protein Docking. **Int J Mol Sci** 11, 3623-3648.

Pawlowski, R., Rajakyla, E.K., Vartiainen, M.K., and Treisman, R. (2010). An actin-regulated importin alpha/beta-dependent extended bipartite NLS directs nuclear import of MRTF-A. **EMBO J** 29, 3448-3458.

Shaw, R.L., Kohlmaier, A., Polesello, C., Veelken, C., Edgar, B.A., and Tapon, N. (2010). The Hippo pathway regulates intestinal stem cell proliferation during *Drosophila* adult midgut regeneration. **Development** 137, 4147-4158.

Taschner, M., Harreman, M., Teng, Y., Gill, H., Anindya, R., Maslen, S.L., Skehel, J.M., Waters, R., and Svejstrup, J.Q. (2010). A role for checkpoint kinase-dependent Rad26 phosphorylation in transcription-coupled DNA repair in *Saccharomyces cerevisiae*. **Mol Cell Biol** 30, 436-446.

Tatevossian, R.G., Lawson, A.R., Forshew, T., Hindley, G.F., Ellison, D.W., and Sheer, D. (2010a). MAPK pathway activation and the origins of pediatric low-grade astrocytomas. **J Cell Physiol** 222, 509-514.

Tatevossian, R.G., Tang, B., Dalton, J., Forshew, T., Lawson, A.R., Ma, J., Neale, G., Shurtleff, S.A., Bailey, S., Gajjar, A., et al. (2010b). MYB upregulation and genetic aberrations in a subset of pediatric low-grade gliomas. **Acta Neuropathol** 120, 731-743.

Terenzio, M., and Schiavo, G. (2010). The more, the better: the BICD family gets bigger. **EMBO J** 29, 1625-1626.

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- Genevet, A.**, Polesello, C., Blight, K., Robertson, F., Collinson, L.M., Pichaud, F., and Tapon, N. (2009). The Hippo pathway regulates apical-domain size independently of its growth-control function. **J Cell Sci** 122, 2360-2370.
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