

Dr. Pinfen Yang's Publications

- 2010** Wei, M., Sivadas, P., Owen, H., Mitchell, D.R., Yang, P. 2010. Flagellar mutants display reversible deficiencies in flagellar beating and axonemal assembly. *Cytoskeleton* 67:71-80.
- 2009** Yang, P., Yang, C., Wirschell, M., Davis, S.A. 2009. [Novel LC8 mutations have disparate effects on the assembly and stability of flagellar complexes.](#) *J Biol Chem.* 284(45):31412-21.
- 2008** Yang, C., H. Owen and P. Yang. 2008. Dimeric HSP40 binds radial spokes for generating coupled power strokes and recovery strokes of 9+2 flagella. *J. of Cell Biol.*, 180:404-415.
- Wirschell M, Zhao F, Yang C, Yang P, Diener D, Gaillard A, Rosenbaum JL, Sale WS. Building a radial spoke: radial spoke protein 3 (RSP3) is a dimer. *Cell Motil. Cytoskeletons.* 65:238-248.
- 2007** Merchant SS, Prochnik SE, Vallon O, Harris EH, Karpowicz SJ, Witman GB, Terry A, Salamov A, Fritz-Laylin LK, Maréchal-Drouard L, Marshall WF, Qu LH, Nelson DR, Sanderfoot AA, Spalding MH, Kapitonov VV, Ren Q, Ferris P, Lindquist E, Shapiro H, Lucas SM, Grimwood J, Schmutz J, Cardol P, Cerutti H, Chanfreau G, Chen CL, Cognat V, Croft MT, Dent R, Dutcher S, Fernández E, Fukuzawa H, González-Ballester D, González-Halphen D, Hallmann A, Hanikenne M, Hippler M, Inwood W, Jabbari K, Kalanon M, Kuras R, Lefebvre PA, Lemaire SD, Lobanov AV, Lohr M, Manuell A, Meier I, Mets L, Mittag M, Mittelmeier T, Moroney JV, Moseley J, Napoli C, Nedelcu AM, Niyogi K, Novoselov SV, Paulsen IT, Pazour G, Purton S, Ral JP, Riaño-Pachón DM, Riekhof W, Rymarquis L, Schroda M, Stern D, Umen J, Willows R, Wilson N, Zimmer SL, Allmer J, Balk J, Bisova K, Chen CJ, Elias M, Gendler K, Hauser C, Lamb MR, Ledford H, Long JC, Minagawa J, Page MD, Pan J, Pootakham W, Roje S, Rose A, Stahlberg E, Terauchi AM, Yang P, Ball S, Bowler C, Dieckmann CL, Gladyshev VN, Green P, Jorgensen R, Mayfield S, Mueller-Roeber B, Rajamani S, Sayre RT, Brokstein P, Dubchak I, Goodstein D, Hornick L, Huang YW, Jhaveri J, Luo Y, Martínez D, Ngau WC, Otilar B, Poliakov A, Porter A, Szajkowski L, Werner G, Zhou K, Grigoriev IV, Rokhsar DS, Grossman AR. 2007. The *Chlamydomonas* genome reveals the evolution of key animal and plant functions. *Science.* 318:245-50.
- 2006** C. Yang and P. Yang. 2006. The flagellar motility of *Chlamydomonas pf25* mutant lacking an AKAP binding protein is overtly sensitive to medium conditions. *Mol. Bio. Cell.*, 17:227-238.
- P. Yang, D.R. Diener, C. Yang, T. Kohno, G.J. Pazour, J. M. Dienes, N. Agrin, S. M. King, W. S. Sale, R. Kamiya, J. L. Rosenbaum, and G. B. Witman. 2006. Radial Spoke Proteins of *Chlamydomonas* Flagella. *J. Cell Sci.*, 119:1165-1174.
- 2005** Yang, C., M.M. Compton and P. Yang. 2005. Dimeric novel HSP40 is incorporated into the radial spoke complex during the assembly process in flagella. *Mol. Bio. Cell.*, 16:637-48.
- 2004** Smith, E F. and P. Yang. 2004. The radial spokes and central apparatus: mechano-chemical sensors that regulate flagellar motility. *Cell Motility and Cytoskeleton*, 57:8-17.
- Yang, P., C. Yang and W. S. Sale. 2004. Flagellar radial spoke protein 2 is a calmodulin binding protein required for motility in *Chlamydomonas reinhardtii*. *Eucaryotic Cell*, 3:72-81.
- Hendrickson, T.W., C.A. Perrone, P. Griffin, K. Wuichet, J. Mueller, P. Yang, M E. Porter and W. S. Sale. 2004. IC138 is a WD-repeat dynein intermediate chain required for light chain assembly and regulation of flagellar bending. *Mol. Bio. Cell*, 15:5431-42.

- 2001** Yang, P., D.R. Diener, J.L. Rosenbaum and W.S. Sale. 2001. Localization of Calmodulin and dynein light chain LC8 in flagellar radial spokes. *J. Cell Biol.*, 153:1315-1325.
- Kovar, D.R., P. Yang, W.S. Sale, B.K. Drobak and C.J. Staiger. 2001. *Chlamydomonas reinhardtii* produces a profilin with unusual biochemical properties. *J. Cell Sci.*, 114:4293-4305.
- 2000** Yang, P., L. Fox, R.J. Colbran, R. J. and W.S. Sale. 2000. Protein phosphatases PP1 and PP2A are located in distinct positions in the *Chlamydomonas* flagellar axoneme. *J. Cell Sci.*, 113:91-102.
- Yang, P., and W.S. Sale. 2000. Casein kinase I is anchored on axonemal doublet microtubules and regulates flagellar dynein phosphorylation and activity. *J. Biol. Chemistry*, 275:18905-18912.
- 1998** Yang, P. and W.S. Sale. 1998. The 140,000 Mr intermediate chain of *Chlamydomonas* flagellar inner arm dynein is a WD-repeat protein implicated in dynein arm anchoring. *Mol. Bio. Cell*, 9:3335-3349.
- Perrone, C., P. Yang, E. O'Toole, W.S. Sale and M.E. Porter. 1998. The *Chlamydomonas* IDA7 locus encodes a 140-kDa dynein intermediate chain required to assemble the I1 inner arm complex. *Mol. Bio. Cell*, 9:2251-3365.
- 1994** Yang, P., D. Major, and U. Rutishauser. 1994. Role of charge and hydration in effects of polysialic acid on molecular interactions on and between cell membranes. *J. Biol. Chem.*, 269:23039-23044.
- 1992** Yang, P., X. Yin, X. and U. Rutishauser. 1992. Intercellular space is affected by the polysialic acid content of NCAM. *J. Cell Biol.*, 116:1487-1496.