

List of PRF&L Referenced Journal Articles

(PRF&L reference examples for the first 10 papers are below each citing in red)

1. Interthal, H., Chen, H. J., Kehl-Fie, T. E., Zottmann, J., Leppard, J. B., and Champoux, J. J. (2005). SCAN1 mutant Tdp1 accumulates the enzyme-DNA intermediate and causes camptothecin hypersensitivity. *EMBO J.* 24, 2224-2233.

“The anti-Tdp1 antiserum was generated at Pocono Rabbit Farm and Laboratory Inc., Canadensis, PA, against recombinant purified native His-tagged full-length human Tdp1 ...”
2. Wu, C.-H., Lee, C., Fan, R., Smith, M. J., Yamaguchi, Y., Handa, H., and Gilmour, D. S. (2005). Molecular characterization of Drosophila NELF. *Nucleic Acids Res.* 33, 1269-1279.

“... dialyzed into 15 mM Tris-Cl, pH 8.0 and used to raise antibodies in guinea pigs (Pocono Rabbit Farm & Laboratory)...”
3. Alarcon-Vargas, D., and Ronai, Z. (2004). c-Jun-NH₂ Kinase (JNK) Contributes to the Regulation of c-Myc Protein Stability. *J. Biol. Chem.* 279, 5008-5016.

“.. was then stripped and incubated with JNK monoclonal antibody (666; Pharmingen) or JNK polyclonal antibodies (Pocono Rabbit Farm, Poconos, PA). ...”
4. Nelson, M. R., Leidal, A. M., and Smibert, C. A. (2004). Drosophila Cup is an eIF4E-binding protein that functions in Smaug-mediated translational repression. *EMBO J.* 23, 150-159.

“... Immunoprecipitation from the embryo extract An anti-Cup antibody was raised in rats by Pocono Rabbit Farm & Laboratory (Canadensis, PA) against residues 1–225 of Cup while the anti-Smg antibody ...”
5. Okajima, T., Xu, A., and Irvine, K. D. (2003). Modulation of Notch-Ligand Binding by Protein O-Fucosyltransferase 1 and Fringe. *J. Biol. Chem.* 278, 42340-42345.

“... Guinea pig anti-OFUT1 was prepared at Pocono Rabbit Farm by immunization with a peptide sequence corresponding to the C terminus of OFUT1, ...”
6. DeSousa, D., Mukhopadhyay, M., Pelka, P., Zhao, X., Dey, B. K., Robert, V., Pelisson, A., Bucheton, A., and Campos, A. R. (2003). A Novel Double-stranded RNA-binding Protein, Disco Interacting Protein 1 (DIP1), Contributes to Cell Fate Decisions during Drosophila Development. *J. Biol. Chem.* 278, 38040-38050.

“... Generation of DIP1 Antibody— Purified DIP1 protein was sent to Pocono Rabbit Farm (Canadensis, PA) for injection into two rabbits following the facility's protocol for popliteal ...”
7. Barnes, E. A., Porter, L. A., Lenormand, J.-L., Dellinger, R. W., and Donoghue, D. J. (2003). Human Spy1 Promotes Survival of Mammalian Cells following DNA Damage. *Cancer Res.* 63, 3701-3707.

“The human Spy1 antibody was obtained through Pocono Rabbit Farm and Laboratory.”
8. Hu, J., Jacinto, R., McCall, C., and Li, L. (2002). Regulation of IL-1 Receptor-Associated Kinases by Lipopolysaccharide. *J. Immunol.* 168, 3910-3914.

“Such peptide was used to immunize rabbit and generate antiserum through Pocono Rabbit Farm (Canadensis, PA). ...”

9. Mukherjee, P. K., Seshan, K. R., Leidich, S. D., Chandra, J., Cole, G. T., and Ghannoum, M. A. (2001). Reintroduction of the PLB1 gene into *Candida albicans* restores virulence in vivo. *Microbiology* 147, 2585-2597.
- "Guinea pig anti-Plb1 polyclonal antibodies were produced commercially (Pocono Rabbit Farm & Laboratory)."
10. Svensson, E. C., Huggins, G. S., Dardik, F. B., Polk, C. E., and Leiden, J. M. (2000). A Functionally Conserved N-terminal Domain of the Friend of GATA-2 (FOG-2) Protein Represses GATA4-Dependent Transcription. *J. Biol. Chem.* 275, 20762-20769.
- "... purified, bacterially expressed FOG-2 GST fusion protein encoding amino acids 1-247 of the FOG-2 protein (Pocono Rabbit Farm, Canadensis, PA)."
11. Zhou, X., Richon, V. M., Rifkind, R. A., and Marks, P. A. (2000). Identification of a transcriptional repressor related to the noncatalytic domain of histone deacetylases 4 and 5. *PNAS* 97, 1056-1061.
12. Nedivi, E., Wu, G. Y., and Cline, H. T. (1998). Promotion of Dendritic Growth by CPG15, an Activity-Induced Signaling Molecule. *Science* 281, 1863-1866.
13. Klueg, K. M., Parody, T. R., and Muskavitch, M. A. (1998). Complex Proteolytic Processing Acts on Delta, a Transmembrane Ligand for Notch, during *Drosophila* Development. *Mol. Biol. Cell* 9, 1709-1723.
14. Pozo, J. C., del, Timpte, C., Tan, S., Callis, J., and Estelle, M. (1998). The Ubiquitin-Related Protein RUB1 and Auxin Response in *Arabidopsis*. *Science* 280, 1760-1763.
15. Nibu, Y., Zhang, H., and Levine, M. (1998). Interaction of Short-Range Repressors with *Drosophila* CtBP in the Embryo. *Science* 280, 101-104.
16. Scheirer, K. E., and Higgins, N. P. (1997). The DNA Cleavage Reaction of DNA Gyrase. COMPARISON OF STABLE TERNARY COMPLEXES FORMED WITH ENOXACIN AND CcdB PROTEIN. *J. Biol. Chem.* 272, 27202-27209.
17. Kuo, C. T., Veselits, M. L., Leiden, J., and M. (1997). LKLF: A Transcriptional Regulator of Single-Positive T Cell Quiescence and Survival. *Science* 277, 1986-1990.
18. Fung, K. L., Hilgenberg, L., Wang, N. M., and Chirico, W. J. (1996). Conformations of the Nucleotide and Polypeptide Binding Domains of a Cytosolic Hsp70 Molecular Chaperone Are Coupled. *J. Biol. Chem.* 271, 21559-21565.
19. Ozer, J., Bolden, A. H., and Lieberman, P. M. (1996). Transcription Factor IIA Mutations Show Activator-specific Defects and Reveal a IIA Function Distinct from Stimulation of TBP-DNA Binding. *J. Biol. Chem.* 271, 11182-11190.
20. Boeck, R., Tarun, S., Jr., Rieger, M., Deardorff, J. A., Müller-Auer, S., and Sachs, A. B. (1996). The Yeast Pan2 Protein Is Required for Poly(A)-binding Protein-stimulated Poly(A)-nuclease Activity. *J. Biol. Chem.* 271, 432-438.
21. Meyers, M. B., Pickel, V. M., Sheu, S.-S., Sharma, V. K., Scotto, K. W., and Fishman, G. I. (1995). Association of Sorcin With the Cardiac Ryanodine Receptor. *J. Biol. Chem.* 270, 26411-26418.

22. Elson, A., and Leder, P. (1995). Protein-tyrosine Phosphatase [IMAGE]. *J. Biol. Chem.* 270, 26116-26122.
23. Sheff, D. R., and Rubenstein, P. A. (1992). Isolation and characterization of the rat liver actin N- acetylaminopeptidase. *J. Biol. Chem.* 267, 20217-20224.
24. Lukong, K. E., Larocque, D., Tyner, A. L., and Richard, S. (2005). Tyrosine Phosphorylation of Sam68 by Breast Tumor Kinase Regulates Intranuclear Localization and Cell Cycle Progression. *J. Biol. Chem.* 280, 38639-38647.
25. Dorsett, D., Eissenberg, J. C., Misulovin, Z., Martens, A., Redding, B., and McKim, K. (2005). Effects of sister chromatid cohesion proteins on cut gene expression during wing development in *Drosophila*. *Development* 132, 4743-4753.
26. Dudas, P. L., Mentone, S., Greineder, C. F., Biemesderfer, D., and Aronson, P. S. (2005). Immunolocalization of Anion Transporter Slc26a7 in Mouse Kidney. *Am J Physiol Renal Physiol*, 00197.
27. Zhang, A.-S., West, A. P., Jr., Wyman, A. E., Bjorkman, P. J., and Enns, C. A. (2005). Interaction of Hemojuvelin with Neogenin Results in Iron Accumulation in Human Embryonic Kidney 293 Cells. *J. Biol. Chem.* 280, 33885-33894.
28. Mitchell, B. F., Pedersen, L. B., Feely, M., Rosenbaum, J. L., and Mitchell, D. R. (2005). ATP Production in *Chlamydomonas reinhardtii* Flagella by Glycolytic Enzymes. *Mol. Biol. Cell* 16, 4509-4518.
29. Thomson, R. B., Wang, T., Thomson, B. R., Tarrats, L., Girardi, A., Mentone, S., Soleimani, M., Kocher, O., and Aronson, P. S. (2005). Role of PDZK1 in membrane expression of renal brush border ion exchangers. *PNAS* 102, 13331-13336.
30. Narvaez-Vasquez, J., Pearce, G., and Ryan, C. A. (2005). The plant cell wall matrix harbors a precursor of defense signaling peptides. *PNAS* 102, 12974-12977.
31. Cowley, D. O., Muse, G. W., and Van Dyke, T. (2005). A Dominant Interfering Bub1 Mutant Is Insufficient To Induce or Alter Thymic Tumorigenesis In Vivo, Even in a Sensitized Genetic Background. *Mol. Cell. Biol.* 25, 7796-7802.
32. Schwaderer, A. L., Vijayakumar, S., Al-Awqati, Q., and Schwartz, G. J. (2005). Galectin-3 Expression is Induced in Renal beta-Intercalated Cells during Metabolic Acidosis. *Am J Physiol Renal Physiol*, 00244.
33. Vepachedu, V. R., and Setlow, P. (2005). Localization of SpoVAD to the Inner Membrane of Spores of *Bacillus subtilis*. *J. Bacteriol.* 187, 5677-5682.
34. KENT, R. J., and NORRIS, D. E. (2005). IDENTIFICATION OF MAMMALIAN BLOOD MEALS IN MOSQUITOES BY A MULTIPLEXED POLYMERASE CHAIN REACTION TARGETING CYTOCHROME B. *Am J Trop Med Hyg* 73, 336-342.
35. Jiang, W., Prokopenko, O., Wong, L., Inouye, M., and Mirochnitchenko, O. (2005). IRIP, a New Ischemia/Reperfusion-Inducible Protein That Participates in the Regulation of Transporter Activity. *Mol. Cell. Biol.* 25, 6496-6508.

36. Kocinsky, H. S., Girardi, A. C. C., Biemesderfer, D., Nguyen, T., Mentone, S., Orlowski, J., and Aronson, P. S. (2005). Use of phospho-specific antibodies to determine the phosphorylation of endogenous Na⁺/H⁺ exchanger NHE3 at PKA consensus sites. *Am J Physiol Renal Physiol* 289, F249-258.
37. Shen, M., Cui, L., Ostiguy, N., and Cox-Foster, D. (2005). Intricate transmission routes and interactions between picorna-like viruses (Kashmir bee virus and sacbrood virus) with the honeybee host and the parasitic varroa mite. *J. Gen. Virol.* 86, 2281-2289.
38. Beall, S. A., Boekelheide, K., and Johnson, K. J. (2005). Hybrid GPCR/Cadherin (Celsr) Proteins in Rat Testis Are Expressed With Cell Type Specificity and Exhibit Differential Sertoli Cell-Germ Cell Adhesion Activity. *J Androl* 26, 529-538.
39. Majerus, E. M., Anderson, P. J., and Sadler, J. E. (2005). Binding of ADAMTS13 to von Willebrand Factor. *J. Biol. Chem.* 280, 21773-21778.
40. Abdel-Ghany, S. E., Ye, H., Garifullina, G. F., Zhang, L., Pilon-Smits, E. A., and Pilon, M. (2005). Iron-Sulfur Cluster Biogenesis in Chloroplasts. Involvement of the Scaffold Protein CplscA. *Plant Physiology* 138, 161-172.
41. Yang, C.-L., Zhu, X., Wang, Z., Subramanya, A. R., and Ellison, D. H. (2005). Mechanisms of WNK1 and WNK4 interaction in the regulation of thiazide-sensitive NaCl cotransport. *J. Clin. Invest.* 115, 1379-1387.
42. Fine, D. H., Velliayagounder, K., Furgang, D., and Kaplan, J. B. (2005). The Actinobacillus actinomycetemcomitans Autotransporter Adhesin Aae Exhibits Specificity for Buccal Epithelial Cells from Humans and Old World Primates. *Infect. Immun.* 73, 1947-1953.
43. Goyal, S., Mentone, S., and Aronson, P. S. (2005). Immunolocalization of NHE8 in rat kidney. *Am J Physiol Renal Physiol* 288, F530-538.
44. Bai, S., He, B., and Wilson, E. M. (2005). Melanoma Antigen Gene Protein MAGE-11 Regulates Androgen Receptor Function by Modulating the Interdomain Interaction. *Mol. Cell. Biol.* 25, 1238-1257.
45. Chenais, B., Derjuga, A., Massrieh, W., Red-Horse, K., Bellingard, V., Fisher, S. J., and Blank, V. (2005). Functional and Placental Expression Analysis of the Human NRF3 Transcription Factor. *Mol. Endocrinol.* 19, 125-137.
46. Johnson, M. B., and Enns, C. A. (2004). Diferric transferrin regulates transferrin receptor 2 protein stability. *Blood* 104, 4287-4293.
47. Kiehart, D. P., Franke, J. D., Chee, M. K., Montague, R. A., Chen, T.-I., Roote, J., and Ashburner, M. (2004). Drosophila crinkled, Mutations of Which Disrupt Morphogenesis and Cause Lethality, Encodes Fly Myosin VIIA. *Genetics* 168, 1337-1352.
48. Broihier, H. T., Kuzin, A., Zhu, Y. i., Odenwald, W., and Skeath, J. B. (2004). Drosophila homeodomain protein Nkx6 coordinates motoneuron subtype identity and axonogenesis. *Development* 131, 5233-5242.

49. Quadro, L., Blaner, W. S., Hamberger, L., Novikoff, P. M., Vogel, S., Piantedosi, R., Gottesman, M. E., and Colantuoni, V. (2004). The role of extrahepatic retinol binding protein in the mobilization of retinoid stores. *J. Lipid Res.* 45, 1975-1982.
50. Huang, Z., Nie, L., Xu, M., and Sun, X.-H. (2004). Notch-Induced E2A Degradation Requires CHIP and Hsc70 as Novel Facilitators of Ubiquitination. *Mol. Cell. Biol.* 24, 8951-8962.
51. Huang, Z., Nie, L., Xu, M., and Sun, X.-H. (2004). Notch-Induced E2A Degradation Requires CHIP and Hsc70 as Novel Facilitators of Ubiquitination. *Mol. Cell. Biol.* 24, 8951-8962.
52. Kvam, E., and Goldfarb, D. S. (2004). Nvj1p is the outer-nuclear-membrane receptor for oxysterol-binding protein homolog Osh1p in *Saccharomyces cerevisiae*. *J. Cell Sci.* 117, 4959-4968.
53. Taylor, R. K., Kirn, T. J., Meeks, M. D., Wade, T. K., and Wade, W. F. (2004). A *Vibrio cholerae* Classical TcpA Amino Acid Sequence Induces Protective Antibody That Binds an Area Hypothesized To Be Important for Toxin-Coregulated Pilus Structure. *Infect. Immun.* 72, 6050-6060.
54. VanRheenen, S. M., Dumenil, G., and Isberg, R. R. (2004). IcmF and DotU Are Required for Optimal Effector Translocation and Trafficking of the *Legionella pneumophila* Vacuole. *Infect. Immun.* 72, 5972-5982.
55. Mathew, S., Mascarenho, E., and Siddiqui, M. A. Q. (2004). A Ternary Complex of Transcription Factors, Nished and NFATc4, and Co-activator p300 Bound to an Intronic Sequence, Intronic Regulatory Element, Is Pivotal for the Up-regulation of Myosin Light Chain-2v Gene in Cardiac Hypertrophy. *J. Biol. Chem.* 279, 41018-41027.
56. Rakousi, K., and Setlow, P. (2004). Transglutaminase-Mediated Cross-Linking of GerQ in the Coats of *Bacillus subtilis* Spores. *J. Bacteriol.* 186, 5567-5575.
57. Kumar, V., Yu, S., Farell, G., Toback, F. G., and Lieske, J. C. (2004). Renal epithelial cells constitutively produce a protein that blocks adhesion of crystals to their surface. *Am J Physiol Renal Physiol* 287, F373-383.
58. Dallman, J. E., Allopenna, J., Bassett, A., Travers, A., and Mandel, G. (2004). A Conserved Role But Different Partners for the Transcriptional Corepressor CoREST in Fly and Mammalian Nervous System Formation. *J. Neurosci.* 24, 7186-7193.
59. Basile, J. R., Barac, A., Zhu, T., Guan, K.-L., and Gutkind, J. S. (2004). Class IV Semaphorins Promote Angiogenesis by Stimulating Rho-Initiated Pathways through Plexin-B. *Cancer Res.* 64, 5212-5224.
60. Sedensky, M. M., Siefker, J. M., Koh, J. Y., Miller, D. M., III, and Morgan, P. G. (2004). A stomatin and a degenerin interact in lipid rafts of the nervous system of *Caenorhabditis elegans*. *Am J Physiol Cell Physiol* 287, C468-474.
61. Halwani, R., Cen, S., Javanbakht, H., Saadatmand, J., Kim, S., Shiba, K., and Kleiman, L. (2004). Cellular Distribution of Lysyl-tRNA Synthetase and Its Interaction with Gag during Human Immunodeficiency Virus Type 1 Assembly. *J. Virol.* 78, 7553-7564.

62. Pozharskaya, V. P., Weakland, L. L., Zimring, J. C., Krug, L. T., Unger, E. R., Neisch, A., Joshi, H., Inoue, N., and Offermann, M. K. (2004). Short Duration of Elevated vIRF-1 Expression during Lytic Replication of Human Herpesvirus 8 Limits Its Ability To Block Antiviral Responses Induced by Alpha Interferon in BCBL-1 Cells. *J. Virol.* 78, 6621-6635.
63. Lamia, K. A., Peroni, O. D., Kim, Y.-B., Rameh, L. E., Kahn, B. B., and Cantley, L. C. (2004). Increased Insulin Sensitivity and Reduced Adiposity in Phosphatidylinositol 5-Phosphate 4-Kinase beta-/- Mice. *Mol. Cell. Biol.* 24, 5080-5087.
64. Altevogt, B. M., and Paul, D. L. (2004). Four Classes of Intercellular Channels between Glial Cells in the CNS. *J. Neurosci.* 24, 4313-4323.
65. Jovine, L., Qi, H., Williams, Z., Litscher, E. S., and Wassarman, P. M. (2004). A duplicated motif controls assembly of zona pellucida domain proteins. *PNAS* 101, 5922-5927.
66. Rollins, R. A., Korom, M., Aulner, N., Martens, A., and Dorsett, D. (2004). Drosophila Nipped-B Protein Supports Sister Chromatid Cohesion and Opposes the Stromalin/Scc3 Cohesion Factor To Facilitate Long-Range Activation of the cut Gene. *Mol. Cell. Biol.* 24, 3100-3111.
67. Johnson, K. J., Zecevic, A., and Kwon, E. J. (2004). Protocadherin alpha3 Acts at Sites Distinct from Classic Cadherins in Rat Testis and Sperm. *Biol Reprod* 70, 303-312.
68. Corteling, R. L., Li, S. u., Giddings, J., Westwick, J., Poll, C., and Hall, I. P. (2004). Expression of Transient Receptor Potential C6 and Related Transient Receptor Potential Family Members in Human Airway Smooth Muscle and Lung Tissue. *Am. J. Respir. Cell Mol. Biol.* 30, 145-154.
69. Luo, Z.-Q., and Isberg, R. R. (2004). Multiple substrates of the Legionella pneumophila Dot/Icm system identified by interbacterial protein transfer. *PNAS* 101, 841-846.
70. Wan, L., de los Santos, T., Zhang, C., Shokat, K., and Hollingsworth, N. M. (2004). Mek1 Kinase Activity Functions Downstream of RED1 in the Regulation of Meiotic Double Strand Break Repair in Budding Yeast. *Mol. Biol. Cell* 15, 11-23.
71. Mathew, D., Popescu, A., and Budnik, V. (2003). Drosophila Amphiphysin Functions during Synaptic Fasciclin II Membrane Cycling. *J. Neurosci.* 23, 10710-10716.
72. Schwartz, B. E., Larochelle, S., Suter, B., and Lis, J. T. (2003). Cdk7 Is Required for Full Activation of Drosophila Heat Shock Genes and RNA Polymerase II Phosphorylation In Vivo. *Mol. Cell. Biol.* 23, 6876-6886.
73. Doss-Pepe, E. W., Stenroos, E. S., Johnson, W. G., and Madura, K. (2003). Ataxin-3 Interactions with Rad23 and Valosin-Containing Protein and Its Associations with Ubiquitin Chains and the Proteasome Are Consistent with a Role in Ubiquitin-Mediated Proteolysis. *Mol. Cell. Biol.* 23, 6469-6483.
74. Jiang, L., and Crews, S. T. (2003). The Drosophila dysfusion Basic Helix-Loop-Helix (bHLH)-PAS Gene Controls Tracheal Fusion and Levels of the Trachealess bHLH-PAS Protein. *Mol. Cell. Biol.* 23, 5625-5637.
75. Isaacs, S. N., Argyropoulos, E., Sfyroera, G., Mohammad, S., and Lambris, J. D. (2003). Restoration of Complement-Enhanced Neutralization of Vaccinia Virus Virions by Novel

Monoclonal Antibodies Raised against the Vaccinia Virus Complement Control Protein. J. Virol. 77, 8256-8262.

76. Gindhart, J. G., Chen, J., Faulkner, M., Gandhi, R., Doerner, K., Wisniewski, T., and Nandlestadt, A. (2003). The Kinesin-associated Protein UNC-76 Is Required for Axonal Transport in the Drosophila Nervous System. Mol. Biol. Cell 14, 3356-3365.
77. Huang, C.-c., Hall, D. H., Hedgecock, E. M., Kao, G., Karantza, V., Vogel, B. E., Hutter, H., Chisholm, A. D., Yurchenco, P. D., and Wadsworth, W. G. (2003). Laminin alpha subunits and their role in *C. elegans* development. Development 130, 3343-3358.
78. Menichella, D. M., Goodenough, D. A., Sirkowski, E., Scherer, S. S., and Paul, D. L. (2003). Connexins Are Critical for Normal Myelination in the CNS. J. Neurosci. 23, 5963-5973.
79. Alvarez, A. D., Shi, W., Wilson, B. A., and Skeath, J. B. (2003). pannier and pointedP2 act sequentially to regulate Drosophila heart development. Development 130, 3015-3026.
80. Ettensohn, C. A., Illies, M. R., Oliveri, P., and De Jong, D. L. (2003). Alx1, a member of the Cart1/Alx3/Alx4 subfamily of Paired-class homeodomain proteins, is an essential component of the gene network controlling skeletogenic fate specification in the sea urchin embryo. Development 130, 2917-2928.
81. MACMORRIS, M., BROCKER, C., and BLUMENTHAL, T. (2003). UAP56 levels affect viability and mRNA export in *Caenorhabditis elegans*. RNA 9, 847-857.
82. Solomon, J. M., Leung, G. S., and Isberg, R. R. (2003). Intracellular Replication of *Mycobacterium marinum* within *Dictyostelium discoideum*: Efficient Replication in the Absence of Host Coronin. Infect. Immun. 71, 3578-3586.
83. Rawls, A. S., and Wolff, T. (2003). Strabismus requires Flamingo and Prickle function to regulate tissue polarity in the Drosophila eye. Development 130, 1877-1887.
84. Dahl, J. P., Wang-Dunlop, J., Gonzales, C., Goad, M. E. P., Mark, R. J., and Kwak, S. P. (2003). Characterization of the WAVE1 Knock-Out Mouse: Implications for CNS Development. J. Neurosci. 23, 3343-3352.
85. Quinn, C. C., Chen, E., Kinjo, T. G., Kelly, G., Bell, A. W., Elliott, R. C., McPherson, P. S., and Hockfield, S. (2003). TUC-4b, a Novel TUC Family Variant, Regulates Neurite Outgrowth and Associates with Vesicles in the Growth Cone. J. Neurosci. 23, 2815-2823.
86. Goriounov, D., Leung, C. L., and Liem, R. K. H. (2003). Protein products of human Gas2-related genes on chromosomes 17 and 22 (hGAR17 and hGAR22) associate with both microfilaments and microtubules. J. Cell Sci. 116, 1045-1058.
87. Goyal, S., Vanden Heuvel, G., and Aronson, P. S. (2003). Renal expression of novel Na⁺/H⁺ exchanger isoform NHE8. Am J Physiol Renal Physiol 284, F467-473.
88. Rajendran, R. R., Nye, A. C., Frasor, J., Balsara, R. D., Martini, P. G. V., and Katzenellenbogen, B. S. (2003). Regulation of Nuclear Receptor Transcriptional Activity by a Novel DEAD Box RNA Helicase (DP97). J. Biol. Chem. 278, 4628-4638.

89. Myster, S. H., Cavallo, R., Anderson, C. T., Fox, D. T., and Peifer, M. (2003). *Drosophila* p120catenin plays a supporting role in cell adhesion but is not an essential adherens junction component. *J. Cell Biol.* 160, 433-449.
90. Kaur, B., Brat, D. J., Calkins, C. C., and Van Meir, E. G. (2003). Brain Angiogenesis Inhibitor 1 Is Differentially Expressed in Normal Brain and Glioblastoma Independently of p53 Expression. *Am. J. Pathol.* 162, 19-27.
91. Lee, K., Dunlap, J. C., and Loros, J. J. (2003). Roles for WHITE COLLAR-1 in Circadian and General Photoperception in *Neurospora crassa*. *Genetics* 163, 103-114.
92. Goel, M., Sinkins, W. G., and Schilling, W. P. (2002). Selective Association of TRPC Channel Subunits in Rat Brain Synaptosomes. *J. Biol. Chem.* 277, 48303-48310.
93. Newman, B. L., Lundblad, J. R., Chen, Y., and Smolik, S. M. (2002). A *Drosophila* Homologue of Sir2 Modifies Position-Effect Variegation but Does Not Affect Life Span. *Genetics* 162, 1675-1685.
94. Goldberg, M., Wei, M., Tycko, B., Falikovich, I., and Warburton, D. (2002). Identification and expression analysis of the human micro-protocadherin gene in fetal and adult kidneys. *Am J Physiol Renal Physiol* 283, F454-463.
95. Lin, D.-T., and Lechleiter, J. D. (2002). Mitochondrial Targeted Cyclophilin D Protects Cells from Cell Death by Peptidyl Prolyl Isomerization. *J. Biol. Chem.* 277, 31134-31141.
96. Altevogt, B. M., Kleopa, K. A., Postma, F. R., Scherer, S. S., and Paul, D. L. (2002). Connexin29 Is Uniquely Distributed within Myelinating Glial Cells of the Central and Peripheral Nervous Systems. *J. Neurosci.* 22, 6458-6470.
97. Scheer, J. M., and Ryan, C. A., Jr. (2002). From the Cover: The systemin receptor SR160 from *Lycopersicon peruvianum* is a member of the LRR receptor kinase family. *PNAS* 99, 9585-9590.
98. Rauen, K. A., Sudilovsky, D., Le, J. L., Chew, K. L., Hann, B., Weinberg, V., Schmitt, L. D., and McCormick, F. (2002). Expression of the Coxsackie Adenovirus Receptor in Normal Prostate and in Primary and Metastatic Prostate Carcinoma: Potential Relevance to Gene Therapy. *Cancer Res.* 62, 3812-3818.
99. Moore, J. C., Sumerel, J. L., Schnackenberg, B. J., Nichols, J. A., Wikramanayake, A., Wessel, G. M., and Marzluff, W. F. (2002). Cyclin D and cdk4 Are Required for Normal Development beyond the Blastula Stage in Sea Urchin Embryos. *Mol. Cell. Biol.* 22, 4863-4875.
100. Cai, S. J., and Inouye, M. (2002). EnvZ-OmpR Interaction and Osmoregulation in *Escherichia coli*. *J. Biol. Chem.* 277, 24155-24161.
101. Couderc, J.-L., Godt, D., Zollman, S., Chen, J., Li, M., Tiong, S., Cramton, S. E., Sahut-Barnola, I., and Laski, F. A. (2002). The bric a brac locus consists of two paralogous genes encoding BTB/POZ domain proteins and acts as a homeotic and morphogenetic regulator of imaginal development in *Drosophila*. *Development* 129, 2419-2433.

102. Porter, L. A., Dellinger, R. W., Tynan, J. A., Barnes, E. A., Kong, M., Lenormand, J.-L., and Donoghue, D. J. (2002). Human Speedy: a novel cell cycle regulator that enhances proliferation through activation of Cdk2. *J. Cell Biol.* 157, 357-366.
103. Vikis, H. G., Li, W., and Guan, K.-L. (2002). The Plexin-B1/Rac interaction inhibits PAK activation and enhances Sema4D ligand binding. *Genes & Dev.* 16, 836-845.
104. Mongelard, F., Labrador, M., Baxter, E. M., Gerasimova, T. I., and Corces, V. G. (2002). Trans-splicing as a Novel Mechanism to Explain Interallelic Complementation in *Drosophila*. *Genetics* 160, 1481-1487.
105. Guerrier-Takada, C., Eder, P. S., Gopalan, V., and Altman, S. (2002). Purification and characterization of Rpp25, an RNA-binding protein subunit of human ribonuclease P. *RNA* 8, 290-295.
106. Mukherjee, D., Gao, M., O'Connor, J. P., Raijmakers, R., Pruijn, G., Lutz, C. S., and Wilusz, J. (2002). The mammalian exosome mediates the efficient degradation of mRNAs that contain AU-rich elements. *EMBO J.* 21, 165-174.
107. Montano, R. F., and Morrison, S. L. (2002). Influence of the Isotype of the Light Chain on the Properties of IgG. *J. Immunol.* 168, 224-231.
108. Liu, Q., Zhou, J., Daiger, S. P., Farber, D. B., Heckenlively, J. R., Smith, J. E., Sullivan, L. S., Zuo, J., Milam, A. H., and Pierce, E. A. (2002). Identification and Subcellular Localization of the RP1 Protein in Human and Mouse Photoreceptors. *Invest. Ophthalmol. Vis. Sci.* 43, 22-32.
109. Lin, J., Johannsen, E., Robertson, E., and Kieff, E. (2002). Epstein-Barr Virus Nuclear Antigen 3C Putative Repression Domain Mediates Coactivation of the LMP1 Promoter with EBNA-2. *J. Virol.* 76, 232-242.
110. Manheim, E. A., Jang, J. K., Dominic, D., and McKim, K. S. (2002). Cytoplasmic Localization and Evolutionary Conservation of MEI-218, a Protein Required for Meiotic Crossing-over in *Drosophila*. *Mol. Biol. Cell* 13, 84-95.
111. Bonos, S. A., Plumley, K. A., and Meyer, W. A. (2002). Ploidy Determination in *Agrostis* Using Flow Cytometry and Morphological Traits. *Crop Sci.* 42, 192-196.
112. Artero, R. D., Castanon, I., and Baylies, M. K. (2001). The immunoglobulin-like protein Hibris functions as a dose-dependent regulator of myoblast fusion and is differentially controlled by Ras and Notch signaling. *Development* 128, 4251-4264.
113. Quellhorst, G. J., Jr., Allen, C. M., and Wessling-Resnick, M. (2001). Modification of Rab5 with a Photoactivatable Analog of Geranylgeranyl Diphosphate. *J. Biol. Chem.* 276, 40727-40733.
114. Park, H., Suzuki, T., and Lennarz, W. J. (2001). Identification of proteins that interact with mammalian peptide:N-glycanase and implicate this hydrolase in the proteasome-dependent pathway for protein degradation. *PNAS* 98, 11163-11168.

115. Yin, X., Gu, S., and Jiang, J. X. (2001). The Development-associated Cleavage of Lens Connexin 45.6 by Caspase-3-like Protease Is Regulated by Casein Kinase II-mediated Phosphorylation. *J. Biol. Chem.* 276, 34567-34572.
116. Jarrous, N., Reiner, R., Wesolowski, D., Mann, H., Guerrier-Takada, C., and Altman, S. (2001). Function and subnuclear distribution of Rpp21, a protein subunit of the human ribonucleoprotein ribonuclease P. *RNA* 7, 1153-1164.
117. Knauf, F., Yang, C.-L., Thomson, R. B., Mentone, S. A., Giebisch, G., and Aronson, P. S. (2001). Identification of a chloride-formate exchanger expressed on the brush border membrane of renal proximal tubule cells. *PNAS* 98, 9425-9430.
118. Howard, T. L., Stauffer, D. R., Degnin, C. R., and Hollenberg, S. M. (2001). CHMP1 functions as a member of a newly defined family of vesicle trafficking proteins. *J. Cell Sci.* 114, 2395-2404.
119. Stauffer, D. R., Howard, T. L., Nyun, T., and Hollenberg, S. M. (2001). CHMP1 is a novel nuclear matrix protein affecting chromatin structure and cell-cycle progression. *J. Cell Sci.* 114, 2383-2393.
120. Paidhungat, M., and Setlow, P. (2001). Localization of a Germinant Receptor Protein (GerBA) to the Inner Membrane of *Bacillus subtilis* Spores. *J. Bacteriol.* 183, 3982-3990.
121. Gu, S., Roderick, H. L., Camacho, P., and Jiang, J. X. (2001). Characterization of an N-system Amino Acid Transporter Expressed in Retina and Its Involvement in Glutamine Transport. *J. Biol. Chem.* 276, 24137-24144.
122. Singer, I. I., Scott, S., Kawka, D. W., Chin, J., Daugherty, B. L., DeMartino, J. A., DiSalvo, J., Gould, S. L., Lineberger, J. E., and Malkowitz, L., et al. (2001). CCR5, CXCR4, and CD4 Are Clustered and Closely Apposed on Microvilli of Human Macrophages and T Cells. *J. Virol.* 75, 3779-3790.
123. Ding, B. C., Whetstine, J. R., Witt, T. L., Schuetz, J. D., and Matherly, L. H. (2001). Repression of Human Reduced Folate Carrier Gene Expression by Wild Type p53. *J. Biol. Chem.* 276, 8713-8719.
124. Stern, C. A., and Tiemeyer, M. (2001). A Ganglioside-Specific Sialyltransferase Localizes to Axons and Non-Golgi Structures in Neurons. *J. Neurosci.* 21, 1434-1443.
125. Wang, W., Czaplinski, K., Rao, Y. u., and Peltz, S. W. (2001). The role of Upf proteins in modulating the translation read-through of nonsense-containing transcripts. *EMBO J.* 20, 880-890.
126. Denault, D. L., Loros, J. J., and Dunlap, J. C. (2001). WC-2 mediates WC-1-FRQ interaction within the PAS protein-linked circadian feedback loop of *Neurospora*. *EMBO J.* 20, 109-117.
127. Bronstein, P. A., Miao, E. A., and Miller, S. I. (2000). InvB Is a Type III Secretion Chaperone Specific for SspA. *J. Bacteriol.* 182, 6638-6644.

128. Andrulis, E. D., Guzman, E., Doring, P., Werner, J., and Lis, J. T. (2000). High-resolution localization of *Drosophila* Spt5 and Spt6 at heat shock genes in vivo: roles in promoter proximal pausing and transcription elongation. *Genes & Dev.* 14, 2635-2649.
129. Kimbrough, T. G., and Miller, S. I. (2000). Contribution of *Salmonella typhimurium* type III secretion components to needle complex formation. *PNAS* 97, 11008-11013.
130. Passani, L. A., Bedford, M. T., Faber, P. W., McGinnis, K. M., Sharp, A. H., Gusella, J. F., Vonsattel, J.-P., and MacDonald, M. E. (2000). Huntington's WW domain partners in Huntington's disease post-mortem brain fulfill genetic criteria for direct involvement in Huntington's disease pathogenesis. *Hum. Mol. Genet.* 9, 2175-2182.
131. Kubori, T., Sukhan, A., Aizawa, S.-I., and Galan, J. E. (2000). Molecular characterization and assembly of the needle complex of the *Salmonella typhimurium* type III protein secretion system. *PNAS* 97, 10225-10230.
132. Goldberg, M., Peshkovsky, C., Shifteh, A., and Al-Awqati, Q. (2000). micro-Protocadherin, a Novel Developmentally Regulated Protocadherin with Mucin-like Domains. *J. Biol. Chem.* 275, 24622-24629.
133. LAMKHIOUED, B., GARCIA-ZEPEDA, E. A., ABI-YOUNES, S., NAKAMURA, H., JEDRZKIEWICZ, S., WAGNER, L., RENZI, P. M., ALLAKHVERDI, Z., LILLY, C., HAMID, Q., and LUSTER, A. D. (2000). Monocyte Chemoattractant Protein (MCP)-4 Expression in the Airways of Patients with Asthma . Induction in Epithelial Cells and Mononuclear Cells by Proinflammatory Cytokines. *Am. J. Respir. Crit. Care Med.* 162, 723-732.
134. Pan, X., Roberts, P., Chen, Y., Kvam, E., Shulga, N., Huang, K., Lemmon, S., and Goldfarb, D. S. (2000). Nucleus-Vacuole Junctions in *Saccharomyces cerevisiae* Are Formed Through the Direct Interaction of Vac8p with Nvj1p. *Mol. Biol. Cell* 11, 2445-2457.
135. Nait-Oumesmar, B., Copperman, A. B., and Lazzarini, R. A. (2000). Placental Expression and Chromosomal Localization of the Human Gcm 1 Gene. *J. Histochem. Cytochem.* 48, 915-922.
136. Kingsbury, T. J., and Cunningham, K. W. (2000). A conserved family of calcineurin regulators. *Genes & Dev.* 14, 1595-1604.
137. Polydorides, A. D., Okano, H. J., Yang, Y. Y. L., Stefani, G., and Darnell, R. B. (2000). A brain-enriched polypyrimidine tract-binding protein antagonizes the ability of Nova to regulate neuron-specific alternative splicing. *PNAS* 97, 6350-6355.
138. O'Farrell, A.-M., Parry, D. A., Zindy, F., Roussel, M. F., Lees, E., Moore, K. W., and Mui, A. L. F. (2000). Stat3-Dependent Induction of p19INK4D by IL-10 Contributes to Inhibition of Macrophage Proliferation. *J. Immunol.* 164, 4607-4615.
139. Das, B., Guo, Z., Russo, P., Chartrand, P., and Sherman, F. (2000). The Role of Nuclear Cap Binding Protein Cbc1p of Yeast in mRNA Termination and Degradation. *Mol. Cell. Biol.* 20, 2827-2838.
140. Gu, S., Roderick, H. L., Camacho, P., and Jiang, J. X. (2000). Identification and characterization of an amino acid transporter expressed differentially in liver. *PNAS* 97, 3230-3235.

141. Dong, H., and Roeder, G. S. (2000). Organization of the Yeast Zip1 Protein within the Central Region of the Synaptonemal Complex. *J. Cell Biol.* 148, 417-426.
142. Gamble, M. V., Shang, E., Zott, R. P., Mertz, J. R., Wolgemuth, D. J., and Blaner, W. S. (1999). Biochemical properties, tissue expression, and gene structure of a short chain dehydrogenase/ reductase able to catalyze cis-retinol oxidation. *J. Lipid Res.* 40, 2279-2292.
143. Barton, R. M., and Worman, H. J. (1999). Prenylated Prelamin A Interacts with Narf, a Novel Nuclear Protein. *J. Biol. Chem.* 274, 30008-30018.
144. Ikeda, S., He, W., Ikeda, A., Naggert, J. K., North, M. A., and Nishina, P. M. (1999). Cell-Specific Expression of Tubby Gene Family Members (tub, Tulp1, 2, and 3) in the Retina. *Invest. Ophthalmol. Vis. Sci.* 40, 2706-2712.
145. Gupta, S. D., Mehan, R. S., Tansey, T. R., Chen, H.-T., Goping, G., Goldberg, I., and Shechter, I. (1999). Differential binding of proteins to peroxisomes in rat hepatoma cells: unique association of enzymes involved in isoprenoid metabolism. *J. Lipid Res.* 40, 1572-1584.
146. Carr, C. M., Grote, E., Munson, M., Hughson, F. M., and Novick, P. J. (1999). Sec1p Binds to SNARE Complexes and Concentrates at Sites of Secretion. *J. Cell Biol.* 146, 333-344.
147. Nance, J., Minniti, A. N., Sadler, C., and Ward, S. (1999). spe-12 Encodes a Sperm Cell Surface Protein That Promotes Spermiogenesis in *Caenorhabditis elegans*. *Genetics* 152, 209-220.
148. Wisniewski, D., Strife, A., Swendeman, S., Erdjument-Bromage, H., Geromanos, S., Kavanaugh, W. M., Tempst, P., and Clarkson, B. (1999). A Novel SH2-Containing Phosphatidylinositol 3,4,5-Trisphosphate 5-Phosphatase (SHIP2) Is Constitutively Tyrosine Phosphorylated and Associated With src Homologous and Collagen Gene (SHC) in Chronic Myelogenous Leukemia Progenitor Cells. *Blood* 93, 2707-2720.
149. Munday, A. D., Norris, F. A., Caldwell, K. K., Brown, S., Majerus, P. W., and Mitchell, C. A. (1999). The inositol polyphosphate 4-phosphatase forms a complex with phosphatidylinositol 3-kinase in human platelet cytosol. *PNAS* 96, 3640-3645.
150. Jarrous, N., Eder, P. S., Wesolowski, D., and Altman, S. (1999). Rpp14 and Rpp29, two protein subunits of human ribonuclease P. *RNA* 5, 153-157.
151. Morrisey, E. E., Tang, Z., Sigrist, K., Lu, M. M., Jiang, F., Ip, H. S., and Parmacek, M. S. (1998). GATA6 regulates HNF4 and is required for differentiation of visceral endoderm in the mouse embryo. *Genes & Dev.* 12, 3579-3590.
152. Bailis, J. M., and Roeder, G. S. (1998). Synaptonemal complex morphogenesis and sister-chromatid cohesion require Mek1-dependent phosphorylation of a meiotic chromosomal protein. *Genes & Dev.* 12, 3551-3563.
153. Ziporen, L., Li, Z. Q., Park, K. S., Sabnekar, P., Liu, W. Y., Arepally, G., Shoenfeld, Y., Kieber-Emmons, T., Cines, D. B., and Poncz, M. (1998). Defining an Antigenic Epitope on Platelet Factor 4 Associated With Heparin-Induced Thrombocytopenia. *Blood* 92, 3250-3259.

154. Leidich, S. D., Ibrahim, A. S., Fu, Y., Koul, A., Jessup, C., Vitullo, J., Fonzi, W., Mirbod, F., Nakashima, S., Nozawa, Y., and Ghannoum, M. A. (1998). Cloning and Disruption of *caPLB1*, a Phospholipase B Gene Involved in the Pathogenicity of *Candida albicans*. *J. Biol. Chem.* 273, 26078-26086.
155. Liu, M., Xie, Z., and Price, D. H. (1998). A Human RNA Polymerase II Transcription Termination Factor Is a SWI2/SNF2 Family Member. *J. Biol. Chem.* 273, 25541-25544.
156. Polakiewicz, R. D., Schieferl, S. M., Gingras, A.-C., Sonenberg, N., and Comb, M. J. (1998). μ -Opioid Receptor Activates Signaling Pathways Implicated in Cell Survival and Translational Control. *J. Biol. Chem.* 273, 23534-23541.
157. Groblewski, G. E., Yoshida, M., Bragado, M. J., Ernst, S. A., Leykam, J., and Williams, J. A. (1998). Purification and Characterization of a Novel Physiological Substrate for Calcineurin in Mammalian Cells. *J. Biol. Chem.* 273, 22738-22744.
158. Kokoska, R. J., and Steege, D. A. (1998). Appropriate Expression of Filamentous Phage f1 DNA Replication Genes II and X Requires RNase E-Dependent Processing and Separate mRNAs. *J. Bacteriol.* 180, 3245-3249.
159. Michel, J. J., and Xiong, Y. (1998). Human CUL-1, but not other cullin family members, selectively interacts with SKP1 to form a complex with SKP2 and cyclin A. *Cell Growth Differ.* 9, 435-449.
160. Peng, J., Marshall, N. F., and Price, D. H. (1998). Identification of a Cyclin Subunit Required for the Function of Drosophila P-TEFb. *J. Biol. Chem.* 273, 13855-13860.
161. Yeh, H.-J., He, Y. Y., Xu, J., Hsu, C. Y., and Deuel, T. F. (1998). Upregulation of Pleiotrophin Gene Expression in Developing Microvasculature, Macrophages, and Astrocytes after Acute Ischemic Brain Injury. *J. Neurosci.* 18, 3699-3707.
162. Stoltz, L. E., Kuo, W. J., Longchamps, J., Sekhon, M. K., and York, J. D. (1998). INP51, a Yeast Inositol Polyphosphate 5-Phosphatase Required for Phosphatidylinositol 4,5-Bisphosphate Homeostasis and Whose Absence Confers a Cold-resistant Phenotype. *J. Biol. Chem.* 273, 11852-11861.
163. Wright, A., and Morrison, S. L. (1998). Effect of C2-Associated Carbohydrate Structure on Ig Effector Function: Studies with Chimeric Mouse-Human IgG1 Antibodies in Glycosylation Mutants of Chinese Hamster Ovary Cells. *J. Immunol.* 160, 3393-3402.
164. Jarrous, N., Eder, P. S., Guerrier-Takada, C., Hoog, C., and Altman, S. (1998). Autoantigenic properties of some protein subunits of catalytically active complexes of human ribonuclease P. *RNA* 4, 407-417.
165. Kim, K.-H., Voelker, D. R., Flocco, M. T., and Carman, G. M. (1998). Expression, Purification, and Characterization of Choline Kinase, Product of the CKI Gene from *Saccharomyces cerevisiae*. *J. Biol. Chem.* 273, 6844-6852.
166. Morrison, S. L., Porter, S. B., Trinh, K. R., Wims, L. A., Denham, J., and Oi, V. T. (1998). Variable Region Domain Exchange Influences the Functional Properties of IgG. *J. Immunol.* 160, 2802-2808.

167. Wang, Y. X., Catlett, N. L., and Weisman, L. S. (1998). Vac8p, a Vacuolar Protein with Armadillo Repeats, Functions in both Vacuole Inheritance and Protein Targeting from the Cytoplasm to Vacuole. *J. Cell Biol.* 140, 1063-1074.
168. Peng, J., Zhu, Y., Milton, J. T., and Price, D. H. (1998). Identification of multiple cyclin subunits of human P-TEFb. *Genes & Dev.* 12, 755-762.
169. Gingras, A.-C., Kennedy, S. G., O'Leary, M. A., Sonenberg, N., and Hay, N. (1998). 4E-BP1, a repressor of mRNA translation, is phosphorylated and inactivated by the Akt(PKB) signaling pathway. *Genes & Dev.* 12, 502-513.
170. Frank, S., Upender, S., Hansen, S. H., and Casanova, J. E. (1998). ARNO Is a Guanine Nucleotide Exchange Factor for ADP-ribosylation Factor 6. *J. Biol. Chem.* 273, 23-27.
171. Soyombo, A. A., and Hofmann, S. L. (1997). Molecular Cloning and Expression of Palmitoyl-protein Thioesterase 2 (PPT2), a Homolog of Lysosomal Palmitoyl-protein Thioesterase with a Distinct Substrate Specificity. *J. Biol. Chem.* 272, 27456-27463.
172. Morcillo, P., Rosen, C., Baylies, M. K., and Dorsett, D. (1997). Chip, a widely expressed chromosomal protein required for segmentation and activity of a remote wing margin enhancer in *Drosophila*. *Genes & Dev.* 11, 2729-2740.
173. Hu, G., Zhang, S., Vidal, M., Baer, J. L., Xu, T., and Fearon, E. R. (1997). Mammalian homologs of seven in absentia regulate DCC via the ubiquitin-proteasome pathway. *Genes & Dev.* 11, 2701-2714.
174. Zhu, Y., Pe'ery, T., Peng, J., Ramanathan, Y., Marshall, N., Marshall, T., Amendt, B., Mathews, M. B., and Price, D. H. (1997). Transcription elongation factor P-TEFb is required for HIV-1 Tat transactivation in vitro. *Genes & Dev.* 11, 2622-2632.
175. Chen, Y.-h., Merzdorf, C., Paul, D. L., and Goodenough, D. A. (1997). COOH Terminus of Occludin Is Required for Tight Junction Barrier Function in Early *Xenopus* Embryos. *J. Cell Biol.* 138, 891-899.
176. Collins, R. N., Brennwald, P., Garrett, M., Lauring, A., and Novick, P. (1997). Interactions of Nucleotide Release Factor Dss4p with Sec4p in the Post-Golgi Secretory Pathway of Yeast. *J. Biol. Chem.* 272, 18281-18289.
177. Panek, H. R., Stepp, J. D., Engle, H., Marks, K. M., Tan, P., Lemmon, S. K., and Robinson, L. (1997). Suppressors of YCK-encoded yeast casein kinase 1 deficiency define the four subunits of a novel clathrin AP-like complex. *EMBO J.* 16, 4194-4204.
178. Lilly, C. M., Nakamura, H., Kesselman, H., Nagler-Anderson, C., Asano, K., Garcia-Zepeda, E. A., Rothenberg, M. E., Drazen, J. M., and Luster, A. D. (1997). Expression of Eotaxin by Human Lung Epithelial Cells . Induction by Cytokines and Inhibition by Glucocorticoids. *J. Clin. Invest.* 99, 1767-1773.
179. Tang, J., Kriz, R. W., Wolfman, N., Shaffer, M., Seehra, J., and Jones, S. S. (1997). A Novel Cytosolic Calcium-independent Phospholipase A2 Contains Eight Ankyrin Motifs. *J. Biol. Chem.* 272, 8567-8575.

180. Smith, A. V., and Roeder, G. S. (1997). The Yeast Red1 Protein Localizes to the Cores of Meiotic Chromosomes. *J. Cell Biol.* 136, 957-967.
181. Thirman, M., Diskin, E., Bin, S., Ip, H., Miller, J., and Simon, M. . (1997). Developmental analysis and subcellular localization of the murine homologue of ELL. *PNAS* 94, 1408-1413.
182. Burleigh, B. A., Caler, E. V., Webster, P., and Andrews, N. W. (1997). A Cytosolic Serine Endopeptidase from *Trypanosoma cruzi* Is Required for the Generation of Ca²⁺ Signaling in Mammalian Cells. *J. Cell Biol.* 136, 609-620.
183. Ramchandani, S., MacLeod, A. R., Pinard, M., von Hofe, E., and Szyf, M. (1997). Inhibition of tumorigenesis by a cytosine-DNA, methyltransferase, antisense oligodeoxynucleotide. *PNAS* 94, 684-689.
184. Auethavekiat, V., Abrams, C. S., and Majerus, P. W. (1997). Phosphorylation of Platelet Pleckstrin Activates Inositol Polyphosphate 5-Phosphatase I. *J. Biol. Chem.* 272, 1786-1790.
185. Groblewski, G. E., Wishart, M. J., Yoshida, M., and Williams, J. A. (1996). Purification and Identification of a 28-kDa Calcium-regulated Heat-stable Protein. A NOVEL SECRETAGOGUE-REGULATED PHOSPHOPROTEIN IN EXOCRINE PANCREAS. *J. Biol. Chem.* 271, 31502-31507.
186. Osborne, M. A., Zenner, G., Lubinus, M., Zhang, X., Songyang, Z., Cantley, L. C., Majerus, P., Burn, P., and Kochan, J. P. (1996). The Inositol 5'-Phosphatase SHIP Binds to Immunoreceptor Signaling Motifs and Responds to High Affinity IgE Receptor Aggregation. *J. Biol. Chem.* 271, 29271-29278.
187. Hendrickson, M., Madine, M., Dalton, S., and Gautier, J. (1996). Phosphorylation of MCM4 by cdc2 protein kinase inhibits the activity of the minichromosome maintenance complex. *PNAS* 93, 12223-12228.
188. Marshall, N. F., Peng, J., Xie, Z., and Price, D. H. (1996). Control of RNA Polymerase II Elongation Potential by a Novel Carboxyl-terminal Domain Kinase. *J. Biol. Chem.* 271, 27176-27183.
189. Adamson, A. L., and Shearn, A. (1996). Molecular Genetic Analysis of *Drosophila* ash2, a Member of the Trithorax Group Required for Imaginal Disc Pattern Formation. *Genetics* 144, 621-633.
190. Mortensen, U. H., Bendixen, C., Sunjevaric, I., and Rothstein, R. (1996). DNA strand annealing is promoted by the yeast Rad52 protein. *PNAS* 93, 10729-10734.
191. Rhodes, K. J., Monaghan, M. M., Barrezueta, N. X., Nawoschik, S., Bekele-Arcuri, Z., Matos, M. F., Nakahira, K., Schechter, L. E., and Trimmer, J. S. (1996). Voltage-Gated K+ Channel beta Subunits: Expression and Distribution of Kvbeta 1 and Kvbeta 2 in Adult Rat Brain. *J. Neurosci.* 16, 4846-4860.
192. Lai, C. C., Hong, K., Kinnell, M., Chalfie, M., and Driscoll, M. (1996). Sequence and transmembrane topology of MEC-4, an ion channel subunit required for mechanotransduction in *Caenorhabditis elegans*. *J. Cell Biol.* 133, 1071-1081.

193. Gingras, A.-C., Svitkin, Y., Belsham, G. J., Pause, A., and Sonenberg, N. (1996). Activation of the translational suppressor 4E-BP1 following infection with encephalomyocarditis virus and poliovirus. PNAS 93, 5578-5583.
194. Nadkarni, A. K., McDonough, V. M., Yang, W.-L., Stukey, J. E., Ozier-Kalogeropoulos, O., and Carman, G. M. (1995). Differential Biochemical Regulation of the URA7- and URA8-encoded CTP Synthetases from *Saccharomyces cerevisiae*. J. Biol. Chem. 270, 24982-24988.
195. Olafsson, P., Wang, T., and Lu, B. (1995). Molecular Cloning and Functional Characterization of the *Xenopus* Ca²⁺-Binding Protein Frequenin. PNAS 92, 8001-8005.
196. Rhodes, K. J., Keilbaugh, S. A., Barrezueta, N. X., Lopez, K. L., and Trimmer, J. S. (1995). Association and colocalization of K⁺ channel alpha- and beta-subunit polypeptides in rat brain. J. Neurosci. 15, 5360-5371.
197. TerBush, D. R., and Novick, P. (1995). Sec6, Sec8, and Sec15 are components of a multisubunit complex which localizes to small bud tips in *Saccharomyces cerevisiae*. J. Cell Biol. 130, 299-312.
198. Zhang, X., Jefferson, A. B., Auethavekiat, V., and Majerus, P. W. (1995). The Protein Deficient in Lowe Syndrome is a Phosphatidylinositol-4,5- Bisphosphate 5-Phosphatase. PNAS 92, 4853-4856.
199. Morrison, B. W., Moorman, J. R., Kowdley, G. C., Kobayashi, Y. M., Jones, L. R., and Leder, P. (1995). Mat-8, a Novel Phospholemmann-like Protein Expressed in Human Breast Tumors, Induces a Chloride Conductance in *Xenopus* Oocytes. J. Biol. Chem. 270, 2176-2182.
200. Palli, S. R., Touhara, K., Charles, J., Bonning, B. C., Atkinson, J. K., Trowell, S. C., Hiruma, K., Goodman, W. G., Kyriakides, T., and Prestwich, G. D., et al. (1994). A Nuclear Juvenile Hormone-Binding Protein from Larvae of *Manduca sexta*: A Putative Receptor for the Metamorphic Action of Juvenile Hormone. PNAS 91, 6191-6195.
201. Bernstein, M., Beech, P. L., Katz, S. G., and Rosenbaum, J. L. (1994). A new kinesin-like protein (Klp1) localized to a single microtubule of the *Chlamydomonas* flagellum. J. Cell Biol. 125, 1313-1326.
202. Deng, L., and Shuman, S. (1994). A role for the H4 subunit of vaccinia RNA polymerase in transcription initiation at a viral early promoter. J. Biol. Chem. 269, 14323-14328.
203. Kephart, D. D., Wang, B. Q., Burton, Z. F., and Price, D. H. (1994). Functional analysis of *Drosophila* factor 5 (TFIIF), a general transcription factor. J. Biol. Chem. 269, 13536-13543.
204. Ohlendieck, K., Partin, J. S., and Lennarz, W. J. (1994). The biologically active form of the sea urchin egg receptor for sperm is a disulfide-bonded homo-multimer. J. Cell Biol. 125, 817-824.
205. Nikoloff, D. M., and Henry, S. A. (1994). Functional characterization of the INO2 gene of *Saccharomyces cerevisiae*. A positive regulator of phospholipid biosynthesis. J. Biol. Chem. 269, 7402-7411.

206. Knorr, B. A., Lipkowitz, M. S., Potter, B. J., Masur, S. K., and Abramson, R. G. (1994). Isolation and immunolocalization of a rat renal cortical membrane urate transporter. *J. Biol. Chem.* 269, 6759-6764.
207. Girard, L. R., Castle, A. M., Hand, A. R., Castle, J. D., and Mirels, L. (1993). Characterization of common salivary protein 1, a product of rat submandibular, sublingual, and parotid glands. *J. Biol. Chem.* 268, 26592-26601.
208. Saville, K. J., and Belote, J. M. (1993). Identification of an Essential Gene, l(3)73Ai, with a Dominant Temperature- Sensitive Lethal Allele, Encoding a Drosophila Proteasome Subunit. *PNAS* 90, 8842-8846.
209. Ohlendieck, K., Dhume, S. T., Partin, J. S., and Lennarz, W. J. (1993). The sea urchin egg receptor for sperm: isolation and characterization of the intact, biologically active receptor. *J. Cell Biol.* 122, 887-895.
210. Yuzawa, Y., Brentjens, J. R., Brett, J., Caldwell, P. R., Esposito, C., Fukatsu, A., Godman, G., Stern, D., and Andres, G. (1993). Antibody-mediated redistribution and shedding of endothelial antigens in the rabbit. *J. Immunol.* 150, 5633-5646.
211. Balda, M. S., and Anderson, J. M. (1993). Two classes of tight junctions are revealed by ZO-1 isoforms. *Am J Physiol Cell Physiol* 264, C918-924.
212. Rong, L., and Klein, H. L. (1993). Purification and characterization of the SRS2 DNA helicase of the yeast *Saccharomyces cerevisiae*. *J. Biol. Chem.* 268, 1252-1259.
213. Esprefaico, E. M., Cheney, R. E., Matteoli, M., Nascimento, A. A., De Camilli, P. V., Larson, R. E., and Mooseker, M. S. (1992). Primary structure and cellular localization of chicken brain myosin-V (p190), an unconventional myosin with calmodulin light chains. *J. Cell Biol.* 119, 1541-1557.
214. Bowser, R., Muller, H., Govindan, B., and Novick, P. (1992). Sec8p and Sec15p are components of a plasma membrane-associated 19.5S particle that may function downstream of Sec4p to control exocytosis. *J. Cell Biol.* 118, 1041-1056.
215. Willott, E., Balda, M. S., Heintzelman, M., Jameson, B., and Anderson, J. M. (1992). Localization and differential expression of two isoforms of the tight junction protein ZO-1. *Am J Physiol Cell Physiol* 262, C1119-1124.
216. Chen, M., Pan, Z., and Hurwitz, J. (1992). Sequence and Expression in *Escherichia coli* of the 40-kDa Subunit of Activator 1 (Replication Factor C) of HeLa Cells. *PNAS* 89, 2516-2520.
217. Choubey, D., and Lengyel, P. (1992). Interferon action: nucleolar and nucleoplasmic localization of the interferon-inducible 72-kD protein that is encoded by the Ifi 204 gene from the gene 200 cluster. *J. Cell Biol.* 116, 1333-1341.
218. Yang, C. H., Lambie, E. J., and Snyder, M. (1992). NuMA: an unusually long coiled-coil related protein in the mammalian nucleus. *J. Cell Biol.* 116, 1303-1317.

219. Lusky, M., and Fontane, E. (1991). Formation of the Complex of Bovine Papillomavirus E1 and E2 Proteins is Modulated by E2 Phosphorylation and Depends upon Sequences within the Carboxyl Terminus of E1. PNAS 88, 6363-6367.
220. Morlock, K. R., McLaughlin, J. J., Lin, Y. P., and Carman, G. M. (1991). Phosphatidate phosphatase from *Saccharomyces cerevisiae*. Isolation of 45- and 104-kDa forms of the enzyme that are differentially regulated by inositol. J. Biol. Chem. 266, 3586-3593.
221. YaDeau, J. T., Klein, C., and Blobel, G. (1991). Yeast Signal Peptidase Contains a Glycoprotein and the Sec11 Gene Product. PNAS 88, 517-521.
222. Dunham, P. B., Jessen, F., and Hoffmann, E. K. (1990). Inhibition of Na-K-Cl Cotransport in Ehrlich Ascites Cells by Antiserum Against Purified Proteins of the Cotransporter. PNAS 87, 6828-6832.
223. Hopper, A. K., Traglia, H. M., and Dunst, R. W. (1990). The yeast RNA1 gene product necessary for RNA processing is located in the cytosol and apparently excluded from the nucleus. J. Cell Biol. 111, 309-321.
224. Fausnaugh, J., and Shatkin, A. J. (1990). Active site localization in a viral mRNA capping enzyme. J. Biol. Chem. 265, 7669-7672.
225. Weber, E. R., and Dieckmann, C. L. (1990). Identification of the CBP1 polypeptide in mitochondrial extracts from *Saccharomyces cerevisiae*. J. Biol. Chem. 265, 1594-1600.
226. Tan, L. K., Shopes, R. J., Oi, V. T., and Morrison, S. L. (1990). Influence of the Hinge Region on Complement Activation, C1q Binding, and Segmental Flexibility in Chimeric Human Immunoglobulins. PNAS 87, 162-166.
227. Lombes, M., Edelman, I. S., and Erlanger, B. F. (1989). Internal image properties of a monoclonal auto-anti-idiotypic antibody and its binding to aldosterone receptors. J. Biol. Chem. 264, 2528-2536.
228. Worman, H. J., Yuan, J., Blobel, G., and Georgatos, S. D. (1988). A Lamin B Receptor in the Nuclear Envelope. PNAS 85, 8531-8534.
229. Vlasak, R., Luytjes, W., Spaan, W., and Palese, P. (1988). Human and Bovine Coronaviruses Recognize Sialic Acid-Containing Receptors Similar to Those of Influenza C Viruses. PNAS 85, 4526-4529.
230. Kleyman, T. R., Rajagopalan, R., Cragoe, E. J., Jr, Erlanger, B. F., and Al-Awqati, Q. (1986). New amiloride analogue as hapten to raise anti-amiloride antibodies. Am J Physiol Cell Physiol 250, C165-170.
231. Pape, L. K., Koerner, T. J., and Tzagoloff, A. (1985). Characterization of a yeast nuclear gene (MST1) coding for the mitochondrial threonyl-tRNA₁ synthetase. J. Biol. Chem. 260, 15362-15370.
232. Morse, R. H., and Cantor, C. R. (1985). Nucleosome Core Particles Suppress the Thermal Untwisting of Core DNA and Adjacent Linker DNA. PNAS 82, 4653-4657.

233. Rindler, M. J., Ivanov, I. E., Plesken, H., Rodriguez-Boulan, E., and Sabatini, D. D. (1984). Viral glycoproteins destined for apical or basolateral plasma membrane domains traverse the same Golgi apparatus during their intracellular transport in doubly infected Madin-Darby canine kidney cells. *J. Cell Biol.* 98, 1304-1319.
234. Markenson, J. A., and Snyder, H., Jr (1984). Reactivity of antisera to endogenous primate retrovirus with a human T cell membrane protein: recognition of a nonviral glycoprotein by antibodies directed only against carbohydrate components. *J. Immunol.* 132, 772-779.
235. Gibson, J. C., Rubinstein, A., Bukberg, P. R., and Brown, W. V. (1983). Apolipoprotein E-enriched lipoprotein subclasses in normolipidemic subjects. *J. Lipid Res.* 24, 886-898.
236. Snyder, H., Jr, Jones, F. R., Day, N. K., and Hardy, W., Jr (1982). Isolation and characterization of circulating feline leukemia virus- immune complexes from plasma of persistently infected pet cats removed by ex vivo immunosorption. *J. Immunol.* 128, 2726-2730.
237. Cleveland, W. L., Wood, I., Cone, R. E., Iverson, G. M., Rosenstein, R. W., Gershon, R. K., and Erlanger, B. F. (1981). Detection of T Cells That Secrete Molecules Which Share Determinants with Antigen-Specific T-Cell Factors. *PNAS* 78, 7697-7701.
238. Matsuuchi, L., Sharon, J., and Morrison, S. L. (1981). An analysis of heavy chain glycopeptides of hybridoma antibodies: correlation between antibody specificity and sialic acid content. *J. Immunol.* 127, 2188-2190.
239. Reiss, C. S., and Schulman, J. L. (1980). Cellular immune responses of mice to influenza virus vaccines. *J. Immunol.* 125, 2182-2188.