

2006 Graduates and Students with First Author Publications in 2006

Student	Publication
Katie Alex (Neurosciences)	Alex KD, Pehek EA. Pharmacologic mechanisms of serotonergic regulation of dopamine neurotransmission. Pharmacol Ther. 2006 Oct 16; [Epub ahead of print]
Faris Altaf (Anatomy)	Altaf FM, Hering TM, Kazmi NH, Yoo JU, Johnstone B. Ascorbate-enhanced chondrogenesis of ATDC5 cells. Eur Cell Mater. 2006 Nov 9;12:64-9; discussion 69-70.
Kathleen Anderson (Pathology) graduated May 06	Anderson KM, Czinn SJ, Redline RW, Blanchard TG. Induction of CTLA-4-mediated anergy contributes to persistent colonization in the murine model of gastric Helicobacter pylori infection. J Immunol. 2006 May 1;176(9):5306-13.
Melissa Bentle (Pharmacology)	Bentle MS, Reinicke KE, Bey EA, Spitz DR, Boothman DA. Calcium-dependent modulation of poly(ADP-ribose) polymerase-1 alters cellular metabolism and DNA repair. J Biol Chem. 2006 Nov 3;281(44):33684-96. Epub 2006 Aug 17.
Fang Bian (Nutrition) graduated May 06	Bian F, Kasumov T, Jobbins KA, Minkler PE, Anderson VE, Kerner J, Hoppel CL, Brunengraber H. Competition between acetate and oleate for the formation of malonyl-CoA and mitochondrial acetyl-CoA in the perfused rat heart. J Mol Cell Cardiol. 2006 Nov;41(5):868-75. Epub 2006 Oct 3
Murielle Bochud (Epi/Bio)	Bochud M, Nussberger J, Bovet P, Maillard MR, Elston RC, Paccaud F, Shamlaye C, Burnier M. Plasma aldosterone is independently associated with the metabolic syndrome. Hypertension. 2006 Aug;48(2):239-45. Epub 2006 Jun 19.
Heath Bowers (Biochemistry)	Bowers HA, Maroney PA, Fairman ME, Kastner B, Luhrmann R, Nilsen TW, Jankowsky E. Discriminatory RNP remodeling by the DEAD-box protein DED1. RNA. 2006 May;12(5):903-12.
Sarah Busch (Neurosciences)	Busch SA, Silver J. The role of extracellular matrix in CNS regeneration. Curr Opin Neurobiol. 2007 Jan 11; [Epub ahead of print]
Sami Chaouki (Genetics)	Chaouki AS, Salz HK. Drosophila SPF45: A Bifunctional Protein with Roles in Both Splicing and DNA Repair. PLoS Genet. 2006 Dec 8;2(12):e178 [Epub ahead of print]
Yu-Ting Chou (Pharmacology) graduated Aug 06	Chou YT, Wang H, Chen Y, Danielpour D, Yang YC. Cited2 modulates TGF-beta-mediated upregulation of MMP9. Oncogene. 2006 Sep 7;25(40):5547-60. Epub 2006 Apr 17.

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<p>Yu-Ting Chou (Pharmacology) graduated Aug 06</p>	<p>Chou YT, Yang YC. Post-transcriptional control of Cited2 by transforming growth factor beta. Regulation via Smads and Cited2 coding region. J Biol Chem. 2006 Jul 7;281(27):18451-62. Epub 2006 May 4.</p>
<p>Yu-Ting Chou (Pharmacology) graduated Aug 06</p>	<p>Chou YT, Wang H, Chen Y, Danielpour D, Yang YC. Cited2 modulates TGF-beta-mediated upregulation of MMP9. Oncogene. 2006 Sep 7;25(40):5547-60. Epub 2006 Apr 17.</p>
<p>Meredith Crosby (Environmental HS) graduated May 06</p>	<p>Crosby ME, Jacobberger J, Gupta D, Macklis RM, Almasan A. E2F4 regulates a stable G(2) arrest response to genotoxic stress in prostate carcinoma. Oncogene. 2006 Oct 9; [Epub ahead of print]</p>
<p>Michael Davis (Pharmacology) graduated Aug 06</p>	<p>Davis MC, Distelhorst CW. Live free or die: an immature T cell decision encoded in distinct Bcl-2 sensitive and insensitive Ca2+ signals. Cell Cycle. 2006 Jun;5(11):1171-4. Epub 2006 Jun 1. Review.</p>
<p>Jessica Diggs (Epi/Bio) graduated May 06</p>	<p>Diggs J, Neuhauser D. The give and take in hospitals. J Health Serv Res Policy. 2006 Apr;11(2):120-1. No abstract available.</p>
<p>Brian Dudley (Genetics)</p>	<p>Dudley BM, Runyan C, Takeuchi Y, Schaible K, Molyneaux K. BMP signaling regulates PGC numbers and motility in organ culture. Mech Dev. 2007 Jan;124(1):68-77. Epub 2006 Sep 30.</p>
<p>Vivian Gama (Pharmacology)</p>	<p>Gama V, Yoshida T, Gomez JA, Basile DP, Mayo LD, Haas AL, Matsuyama S. Involvement of the ubiquitin pathway in decreasing Ku70 levels in response to drug-induced apoptosis. Exp Cell Res. 2006 Feb 15;312(4):488-99.</p>
<p>Limin Gao (Neurosciences) graduated May 06</p>	<p>Gao L, Macklin W, Gerson J, Miller RH. Intrinsic and extrinsic inhibition of oligodendrocyte development by rat retina. Dev Biol. 2006 Feb 15;290(2):277-86. Epub 2006 Jan 4.</p>
<p>Limin Gao (Neurosciences) graduated May 06</p>	<p>Gao L, Miller RH. Specification of optic nerve oligodendrocyte precursors by retinal ganglion cell axons. J Neurosci. 2006 Jul 19;26(29):7619-28.</p>
<p>Jennifer Greene (Pathology)</p>	<p>Greene JA, DeVecchio JL, Gould MP, Auletta JJ, Heinzl FP. In vivo and in vitro regulation of type I IFN synthesis by synergistic effects of CD40 and type II IFN. J Immunol. 2006 May 15;176(10):5995-6003.</p>

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Jing Han (Neurosciences)	Han J, Mark MD, Li X, Xie M, Waka S, Rettig J, Herlitz S. RGS2 determines short-term synaptic plasticity in hippocampal neurons by regulating Gi/o-mediated inhibition of presynaptic Ca <sup>2+</sup> channels. <i>Neuron</i> . 2006 Sep 7; 51(5):575-86.
Michelle Holko (Genetics) graduated Aug 06	Holko M, Williams BR. Functional annotation of IFN-alpha-stimulated gene expression profiles from sensitive and resistant renal cell carcinoma cell lines. <i>J Interferon Cytokine Res</i> . 2006 Aug; 26(8):534-47.
Kun Huang (Biochemistry) graduated Jan 06	Huang K, Maiti NC, Phillips NB, Carey PR, Weiss MA. Structure-Specific Effects of Protein Topology on Cross-beta Assembly: Studies of Insulin Fibrillation. <i>Biochemistry</i> . 2006 Aug 29; 45(34):10278-93.
Eric Jones (Biophysics/Bioeng) graduated May 06	Jones EM, Surewicz K, Surewicz WK. Role of N-terminal familial mutations in prion protein fibrillization and prion amyloid propagation in vitro. <i>J Biol Chem</i> . 2006 Mar 24; 281(12):8190-6. Epub 2006 Jan 26.
Li Kang (Biochemistry)	Kang L, Nagy LE. Chronic ethanol feeding suppresses beta-adrenergic receptor-stimulated lipolysis in adipocytes isolated from epididymal fat. <i>Endocrinology</i> . 2006 Sep; 147(9):4330-8. Epub 2006 Jun 22.
Melissa Landis (Pharmacology) graduated Jan 06	Landis MD, Seachrist DD, Abdul-Karim FW, Keri RA. Sustained trophism of the mammary gland is sufficient to accelerate and synchronize development of ErbB2/Neu-induced tumors. <i>Oncogene</i> . 2006 Jun 1; 25(23):3325-34. Epub 2006 Jan 23.
Ruth Marrie (Epi/Bio)	Marrie RA, Cutter G, Tyry T, Vollmer T, Campagnolo D. Does multiple sclerosis-associated disability differ between races? <i>Neurology</i> . 2006 Apr 25; 66(8):1235-40.
Hazuki Miwa (Biochemistry) graduated Jan 06	Miwa HE, Gerken TA, Hering TM. Effects of covalently attached chondroitin sulfate on aggrecan cleavage by ADAMTS-4 and MMP-13. <i>Matrix Biol</i> . 2006 Jul 25; [Epub ahead of print]
Hazuki Miwa (Biochemistry) graduated Jan 06	Miwa HE, Gerken TA, Huynh TD, Flory DM, Hering TM. Mammalian expression of full-length bovine aggrecan and link protein: formation of recombinant proteoglycan aggregates and analysis of proteolytic cleavage by ADAMTS-4 and MMP-13. <i>Biochim Biophys Acta</i> . 2006 Mar; 1760(3):472-86. Epub 2005 Dec 29.

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<p>Eric Morgan (Systems Physiology) graduated May 06</p>	<p>Morgan EE, Chandler MP, Young ME, McElfresh TA, Kung TA, Rennison JH, Tserng KY, Hoit BD, Stanley WC. Dissociation between gene and protein expression of metabolic enzymes in a rodent model of heart failure. Eur J Heart Fail. 2006 Feb 28; [Epub ahead of print]</p>
<p>Eric Morgan (Systems Physiology) graduated May 06</p>	<p>Morgan EE, Rennison JH, Young ME, McElfresh TA, Kung TA, Tserng KY, Hoit BD, Stanley WC, Chandler MP. Effects of chronic activation of peroxisome proliferator-activated receptor-alpha or high-fat feeding in a rat infarct model of heart failure. Am J Physiol Heart Circ Physiol. 2006 May; 290(5):H1899-904. Epub 2005 Dec 9.</p>
<p>Eric Morgan (Systems Physiology) graduated May 06</p>	<p>Morgan EE, Young ME, McElfresh TA, Kung TA, Hoit BD, Chandler MP, Stanley WC. Chronic treatment with trimetazidine reduces the upregulation of atrial natriuretic peptide in heart failure. Fundam Clin Pharmacol. 2006 Oct; 20(5):503-5.</p>
<p>John Mosley (Pharmacology)</p>	<p>Mosley JD, Keri RA. Splice variants of mlAP1 have an enhanced ability to inhibit apoptosis. Biochem Biophys Res Commun. 2006 Sep 29; 348(3):1174-83. Epub 2006 Aug 4.</p>
<p>Shibani Mukerji (Neurosciences)</p>	<p>Mukerji SS, Katsman EA, Wilber C, Haner NA, Selman WR, Hall AK. Activin is a neuronal survival factor that is rapidly increased after transient cerebral ischemia and hypoxia in mice. J Cereb Blood Flow Metab. 2006 Nov 29; [Epub ahead of print]</p>
<p>Thomas Newpher (Molecular Biology) graduated May 06</p>	<p>Newpher TM, Idrissi FZ, Geli MI, Lemmon SK. Novel Function of Clathrin Light Chain in Promoting Endocytic Vesicle Formation. Mol Biol Cell. 2006 Jul 27; [Epub ahead of print]</p>
<p>Thomas Newpher (Molecular Biology) graduated May 06</p>	<p>Newpher TM, Lemmon SK. Clathrin is important for normal actin dynamics and progression of Sla2p-containing patches during endocytosis in yeast. Traffic. 2006 May; 7(5):574-88.</p>

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<p>Mark Obrenovich (Pathology)</p>	<p>Obrenovich ME, Fan X, Satake M, Jarvis SM, Reneker L, Reddan JR, Monnier VM.  Relative suppression of the sodium-dependent Vitamin C transport in mouse versus human lens epithelial cells. Mol Cell Biochem. 2006 Dec; 293(1-2):53-62. Epub 2006 Aug 24.</p>
<p>Mark Obrenovich (Pathology)</p>	<p>Obrenovich ME, Smith MA, Siedlak SL, Chen SG, de la Torre JC, Perry G, Aliev G. Overexpression of GRK2 in Alzheimer disease and in a chronic hypoperfusion rat model is an early marker of brain mitochondrial lesions. Neurotox Res. 2006 Aug; 10(1):43-56.</p>
<p>Dolly Padovani-Claudio (Neurosciences) graduated Aug 06</p>	<p>Padovani-Claudio DA, Liu L, Ransohoff RM, Miller RH. Alterations in the oligodendrocyte lineage, myelin, and white matter in adult mice lacking the chemokine receptor CXCR2. Glia. 2006 Oct; 54(5):471-83.</p>
<p>Tehnaz Parakh (Pharmacology) graduated Aug 06</p>	<p>Parakh TN, Hernandez JA, Grammer JC, Weck J, Hunzicker-Dunn M, Zeleznik AJ, Nilson JH. Follicle-stimulating hormone/cAMP regulation of aromatase gene expression requires beta-catenin. Proc Natl Acad Sci U S A. 2006 Aug 15; 103(33):12435-40. Epub 2006 Aug 8.</p>
<p>Nicole Pecora (Pathology)</p>	<p>Pecora ND, Gehring AJ, Canaday DH, Boom WH, Harding CV. Mycobacterium tuberculosis LprA is a lipoprotein agonist of TLR2 that regulates innate immunity and APC function. J Immunol. 2006 Jul 1; 177(1):422-9.</p>
<p>Meghan Pennini (Pathology) graduated Aug 06</p>	<p>Pennini ME, Pai RK, Schultz DC, Boom WH, Harding CV. Mycobacterium tuberculosis 19-kDa lipoprotein inhibits IFN-gamma-induced chromatin remodeling of MHC2TA by TLR2 and MAPK signaling. J Immunol. 2006 Apr 1; 176(7):4323-30.</p>
<p>Todd Pressler (Neurosciences) graduated Aug 06</p>	<p>Pressler RT, Strowbridge BW. Blanes cells mediate persistent feedforward inhibition onto granule cells in the olfactory bulb. Neuron. 2006 Mar 16; 49(6):889-904.</p>
<p>Nicole Pultz (Molecular Biology)</p>	<p>Pultz NJ, Vesterlund S, Ouweland AC, Donskey CJ. Adhesion of vancomycin-resistant enterococcus to human intestinal mucus. Curr Microbiol. 2006 Mar; 52(3):221-4. Epub 2006 Feb 18.</p>

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<p>Julie Rennison (Physiology/Biophys)</p>	<p>Rennison JH, McElfresh TA, Okere I, Vazquez EJ, Patel HV, Foster AB, Patel KK, Chen Q, Hoit BD, Tserng KY, Hassan MO, Hoppel CL, Chandler MP. High Fat Diet Post Infarction Enhances Mitochondrial Function and Does Not Exacerbate Left Ventricular Dysfunction. Am J Physiol Heart Circ Physiol. 2006 Nov 17; [Epub ahead of print]</p>
<p>Melanie Rhee (Biochemistry) graduated May 06</p>	<p>Rhee M, Davis P. Mechanism of uptake of C105Y, a novel cell-penetrating peptide. J Biol Chem. 2006 Jan 13;281(2):1233-40. Epub 2005 Nov 4.</p>
<p>Lev Rosenberg (Genetics) graduated Jan 06</p>	<p>Rosenberg LA, Schluchter MD, Parlow AF, Drumm ML. Mouse as a model of growth retardation in cystic fibrosis. Pediatr Res. 2006 Feb;59(2):191-5.</p>
<p>Mark Ruszczycky (Biochemistry) graduated Aug 06</p>	<p>Ruszczycky MW, Anderson VE. Interpretation of V/K isotope effects for enzymatic reactions exhibiting multiple isotopically sensitive steps. J Theor Biol. 2006 Jun 30; [Epub ahead of print]</p>
<p>Davis Ryman (Genetics)</p>	<p>Ryman D, Lamb BT. Genetic and environmental modifiers of Alzheimer's disease phenotypes in the mouse. Curr Alzheimer Res. 2006 Dec;3(5):465-73.</p>
<p>Sharma Naveen (Nutrition)</p>	<p>Sharma N, Okere IC, Duda MK, Chess DJ, O'shea KM, Stanley WC. Potential impact of carbohydrate and fat intake on pathological left ventricular hypertrophy. Cardiovasc Res. 2007 Jan 15;73(2):257-68. Epub 2006 Nov 11.</p>
<p>Doug Sheffler (Biochemistry)</p>	<p>Sheffler DJ, Kroeze WK, Garcia BG, Deutch AY, Hufeisen SJ, Leahy P, Bruning JC, Roth BL. p90 ribosomal S6 kinase 2 exerts a tonic brake on G protein-coupled receptor signaling. Proc Natl Acad Sci U S A. 2006 Mar 21;103(12):4717-22.</p>
<p>Sarah Shoemaker (Neurosciences) graduated May 06</p>	<p>Shoemaker SE, Sachs HH, Vaccariello SA, Zigmund RE. Reduction in nerve growth factor availability leads to a conditioning lesion-like effect in sympathetic neurons. J Neurobiol. 2006 Oct;66(12):1322-37.</p>
<p>Moumita Sinha (Epi/Bio)</p>	<p>Sinha M, Song Y, Elston RC, Olson JM, Goddard KA. Prediction of empirical p values from asymptotic p values for conditional logistic affected relative pair linkage analysis. Hum Hered. 2006;61(1):45-54. Epub 2006 Apr 7.</p>

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<p>Smitha Sripathy (Pharmacology)</p>	<p>Sripathy SP, Stevens J, Schultz DC. The KAP1 corepressor functions to coordinate the assembly of de novo HP1-demarcated microenvironments of heterochromatin required for KRAB zinc finger protein-mediated transcriptional repression. Mol Cell Biol. 2006 Nov; 26(22):8623-38. Epub 2006 Sep 5.</p>
<p>Ryan Strachan (Biochemistry)</p>	<p>Strachan RT, Ferrara G, Roth BL. Screening the receptorome: an efficient approach for drug discovery and target validation. Drug Discov Today. 2006 Aug; 11(15-16):708-16. Review.</p>
<p>Jodi Thomson (Pharmacology)</p>	<p>Thomson JM, Distler AM, Prati F, Bonomo RA. Probing active site chemistry in SHV beta-lactamase variants at Ambler position 244. Understanding unique properties of inhibitor resistance. J Biol Chem. 2006 Sep 8; 281(36):26734-44. Epub 2006 Jun 27.</p>
<p>Jodi Thomson (Pharmacology)</p>	<p>Thomson JM, Prati F, Bethel CR, Bonomo RA. Using Novel Boronic Acid Transition State Inhibitors to Probe Substrate Affinity in SHV-type Extended Spectrum {beta}-lactamases. Antimicrob Agents Chemother. 2007 Jan 12; [Epub ahead of print]</p>
<p>Yuko Tsutsui (Phys/Biophy)</p>	<p>Tsutsui Y, Liu L, Gershenson A, Wintrode PL. The conformational dynamics of a metastable serpin studied by hydrogen exchange and mass spectrometry. Biochemistry. 2006 May 30; 45(21):6561-9.</p>
<p>Carl Venezia (Physiology/Biophys)</p>	<p>Venezia CF, Howard KJ, Ignatov ME, Holladay LA, Barkley MD. Effects of efavirenz binding on the subunit equilibria of HIV-1 reverse transcriptase. Biochemistry. 2006 Mar 7; 45(9):2779-89.</p>
<p>Hui Wang (Pharmacology)</p>	<p>Wang H, Chan SA, Ogier M, Hellard D, Wang Q, Smith C, Katz DM. Dysregulation of brain-derived neurotrophic factor expression and neurosecretory function in Mecp2 null mice. J Neurosci. 2006 Oct 18; 26(42):10911-5.</p>
<p>Tao Wang (Epi/Bio) graduated Jan 06</p>	<p>Wang T, Elston RC. A quantitative linkage score for an association study following a linkage analysis. BMC Genet. 2006 Jan 20; 7:5.</p>
<p>Tao Wang (Epi/Bio) graduated Jan 06</p>	<p>Wang T, Elston RC. Improved power by use of a weighted score test for linkage disequilibrium mapping. Am J Hum Genet. 2007 Feb; 80(2): 353-60. Epub 2006 Dec 21.</p>

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<p>Kate Webber (Pathology)</p>	<p>Webber KM, Casadesus G, Atwood CS, Bowen RL, Perry G, Smith MA. Gonadotropins: A cohesive gender-based etiology of Alzheimer disease. Mol Cell Endocrinol. 2007 Jan 2;260-262:271-5. Epub 2006 Oct 18</p>
<p>Kate Webber (Pathology)</p>	<p>Webber KM, Stocco DM, Casadesus G, Bowen RL, Atwood CS, Previll LA, Harris PL, Zhu X, Perry G, Smith MA. Steroidogenic Acute Regulatory Protein (StAR): Evidence of Gonadotropin-Induced Steroidogenesis in Alzheimer Disease. Mol Neurodegener. 2006 Oct 3;1:14.</p>
<p>Nicole White (Pharmacology)</p>	<p>White NM, Jiang D, Burgess JD, Bederman IR, Previs SF, Kelley TJ. Altered cholesterol homeostasis in cultured and in vivo models of cystic fibrosis. Am J Physiol Lung Cell Mol Physiol. 2006 Nov 3; [Epub ahead of print]</p>
<p>Jamie Wikenheiser (Anatomy)</p>	<p>Wikenheiser J, Doughman YQ, Fisher SA, Watanabe M. Differential levels of tissue hypoxia in the developing chicken heart. Dev Dyn. 2006 Jan;235(1):115-23.</p>
<p>Alison Wright (Pathology)</p>	<p>Wright A, Yan H, Lamm ME, Huang YT. Immunoglobulin A antibodies against internal HIV-1 proteins neutralize HIV-1 replication inside epithelial cells. Virology. 2006 Dec 5-20;356(1-2):165-70. Epub 2006 Sep 7.</p>
<p>Fang Xie (Pharmacology) graduated Jan 06</p>	<p>Xie F, Padival M, Siegel RE. Association of PSD-95 with ErbB4 facilitates neuregulin signaling in cerebellar granule neurons in culture. J Neurochem. 2007 Jan;100(1):62-72. Epub 2006 Oct 27.</p>
<p>Kui Xu (Anatomy)</p>	<p>Xu K, Lamanna JC. Chronic hypoxia and the cerebral circulation. J Appl Physiol. 2006 Feb;100(2):725-30.</p>
<p>Pin Xu (Neurosciences)</p>	<p>Xu P, Hall AK. The role of activin in neuropeptide induction and pain sensation. Dev Biol. 2006 Nov 15;299(2):303-9. Epub 2006 Aug 16. Review.</p>
<p>Wei Zhang (Biochemistry)</p>	<p>Zhang W, Li B, Singh R, Narendra U, Zhu L, Weiss MA. Regulation of sexual dimorphism: mutational and chemogenetic analysis of the doublesex DM domain. Mol Cell Biol. 2006 Jan;26(2):535-47.</p>
<p>Gang Zheng (Pharmacology) graduated Jan 06</p>	<p>Zheng G, Yang YC. Acetylation and alternative splicing regulate ZNF76-mediated transcription. Biochem Biophys Res Commun. 2006 Jan 27;339(4):1069-75. Epub 2005 Dec 6.</p>

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Hui Zhu (Genetics)	Zhu H, Hasman RA, Barron VA, Luo G, Lou H. A nuclear function of Hu proteins as neuron-specific alternative RNA processing regulators. Mol Biol Cell. 2006 Dec;17(12):5105-14. Epub 2006 Oct 11.
Hui Zhu (Genetics)	Zhu H, Zhou HL, Hasman RA, Lou H. Hu Proteins Regulate Polyadenylation by Blocking Sites Containing U-rich Sequences. J Biol Chem. 2007 Jan 26;282(4):2203-10. Epub 2006 Nov 26.