

Mr. Lance Thomas	PD	Dr. Eugene M. Oltz	Vanderbilt University School of Medicine	Nashville, Tennessee, USA	<ul style="list-style-type: none"> • Thomas LR, Bender LM, Morgan MJ, Thorburn A. (2005) Extensive regions of the FADD death domain are required for binding to the TRAIL receptor DR5. In press. Cell Death Differ. • Thomas LR, Johnson RL, Reed JC, Thorburn A. (2004) The C-terminal tails of tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) and Fas receptors have opposing functions in Fas-associated death domain (FADD) recruitment and can regulate agonist-specific mechanisms of receptor activation. J Biol Chem. 279, 52479-86. • Thomas LR, Henson A, Reed JC, Salsbury FR, Thorburn A. (2004) Direct binding of Fas-associated death domain (FADD) to the tumor necrosis factor-related apoptosis-inducing ligand receptor DR5 is regulated by the death effector domain of FADD. J Biol Chem. 279, 32780-5. • Thomas LR, Stillman DJ, Thorburn A. (2002) Regulation of Fas-associated death domain interactions by the death effector domain identified by a modified reverse two-hybrid screen. J Biol Chem. 2002 277, 34343-8. and six more papers. 	Shinkai Lab.
Mr. Marc Bailly	student	Dr. Eric Westhof	Université Louis Pasteur	Strasbourg, France	<ul style="list-style-type: none"> • Sharma M, Li X, Wang Y, Zarnegar M, Huang CY, Palvimo JJ, Lim B, Sun Z. hZimp10 is an androgen receptor co-activator and forms a complex with SUMO-1 at replication foci. EMBO J. 2003 Nov 17;22(22):6101-14. • Hayes SA, Zarnegar M, Sharma M, Yang F, Peehl DM, ten Dijke P, Sun Z. SMAD3 represses androgen receptor-mediated transcription. Cancer Res. 2001 Mar 1;61(5):2112-8. • Yang F, Li X, Sharma M, Zarnegar M, Lim B, Sun Z. Androgen receptor specifically interacts with a novel p21-activated kinase, PAK6. J Biol Chem. 2001 May 4;276(18):15345-53. Epub 2001 Jan 25. • Sharma M, Zarnegar M, Li X, Lim B, Sun Z. Androgen receptor interacts with a novel MYST protein, HBO1. J Biol Chem. 2000 Nov 10;275(45):35200-8. 	Inoue Lab.
Mr. Mark Zarnegar	student	Dr. Ellen Rothenberg	California Institute of Technology	Pasadena, USA	<ul style="list-style-type: none"> • Goehring, N.W., and J. Beckwith (2005). Diverse paths to midcell: assembly of the bacterial cell division machinery. Current Biology. 15(13), R514-526. (Review) • Goehring, N.W., F. Guieros-Filho, and J. Beckwith (2005). Premature targeting of a cell division protein to midcell allows dissection of divisome assembly in Escherichia coli. Genes and Development. 19(1):127-37. • Brandon, L. D., N. Goehring, A. Janakiraman, A.W. Yan, T. Wu, J. Beckwith, and M. Goldberg (2003). IcsA, a polarly localized autotransporter with an atypical signal peptide, uses the Sec apparatus for secretion, although the Sec apparatus is circumferentially distributed. Molecular Microbiology. 50 (1): 45-60. • Klein, C., U. Gopfert, N. Goehring, Y.D. Sierhof, and T. Jif (1999). Proteophosphoglycans of Leishmania mexicana. Identification, purification, structural and ultrastructural characterization of the secreted promastigote proteophosphoglycan pPPG2, a stage-specific glycoisofom of amastigote aPPG. Biochemical Journal. 344:775-86. and two more papers. 	Ikuta Lab.
Mr. Nathan Goehring	student	Dr. Jon Beckwith	Harvard Medical School	Boston, USA	<ul style="list-style-type: none"> • van den Elzen P.*, Ria F.*, Mavarakis E., Sercarz EE. Molecular characterization of the T cell repertoire using immunoscope analysis and its possible implementation in clinical practice. Curr Mol Med. 2001 Jul;1(3):297-304. • van den Elzen P., Menezes JS, Anetani A, Mavarakis E, Madakamutil L, Tang X, Kumar V, Sercarz EE. Limited clonality in autoimmunity: Drivers and regulators. Autoimmun Rev. 2004. Nov;3(7-8):524-9. • van den Elzen P.*, Brigi M.*, Hart-Meyers J., Besra GD, Brenner MB, Gumperz, JG. Conserved and heterogeneous lipid antigen specificities of CD1d-restricted NKT cells. Manuscript submitted. • van den Elzen P.*, Menezes JS*, Mavarakis E, Thornes J, Huffman D., Drain N, Li N, Sercarz EE. A discrete population of T cells is responsible for EAE induction: Driver Clones in Autoimmunity. Manuscript submitted. and eight more papers. 	Ito Lab.
Mr. Peter van den Elzen	PD	Dr. Michael Brenner	Harvard Medical School [Brigham & Women's Hospital]	Boston, USA	<ul style="list-style-type: none"> • van den Elzen P.*, Ria F.*, Mavarakis E., Sercarz EE. Molecular characterization of the T cell repertoire using immunoscope analysis and its possible implementation in clinical practice. Curr Mol Med. 2001 Jul;1(3):297-304. • van den Elzen P., Menezes JS, Anetani A, Mavarakis E, Madakamutil L, Tang X, Kumar V, Sercarz EE. Limited clonality in autoimmunity: Drivers and regulators. Autoimmun Rev. 2004. Nov;3(7-8):524-9. • van den Elzen P.*, Brigi M.*, Hart-Meyers J., Besra GD, Brenner MB, Gumperz, JG. Conserved and heterogeneous lipid antigen specificities of CD1d-restricted NKT cells. Manuscript submitted. • van den Elzen P.*, Menezes JS*, Mavarakis E, Thornes J, Huffman D., Drain N, Li N, Sercarz EE. A discrete population of T cells is responsible for EAE induction: Driver Clones in Autoimmunity. Manuscript submitted. and eight more papers. 	Sugita Lab.
Mr. Scott Kitchen	PD	Dr. Jerome A. Zack	University of California, Los Angeles (UCLA)	Los Angeles, USA	Sorry, under construction.	Koyanagi Lab.

Mr. Takaki Komiyama	PD	Dr. Liqun Luo	Stanford University	Stanford, USA	<ul style="list-style-type: none"> •Komiyama T, Carlson JR, Luo L. Olfactory receptor neuron axon targeting: intrinsic transcriptional control and hierarchical interactions. <i>Nat Neurosci.</i> 2004 Aug;7(8):919–25. Epub 2004 Jul 1 •Komiyama T, Johnson WA, Luo L, Jeffers GS. From lineage to wiring specificity: POU domain transcription factors control precise connections of Drosophila olfactory projection neurons. <i>Cell.</i> 2003 Jan 24;112(2):157–67. 	Uemura Lab.
Mr. Yoontae Lee	student	Dr. Narry Kim	Seoul National University	Soel, Korea	<ul style="list-style-type: none"> •Lee Y, Jeon K-P, Lee J-T, Kim S and Kim V.N. MicroRNA maturation: stepwise processing and subcellular localization. <i>EMBO Journal.</i> 2002; 21:4663–4670. •Lee Y, Ahn C, Han J, Choi H, Kim J, Yim J, Lee J, Provost P, Rådmark O, Kim S, and Kim V.N. The Nuclear RNase III Drosha Initiates MicroRNA Processing. <i>Nature.</i> 2003; 425:415–419. •Lee Y, Kim M-J, Han J-J, Yeom K-H, Lee S-H, Baek S-H, and Kim V.N. MicroRNA genes are transcribed by RNA polymerase II. <i>EMBO Journal.</i> 2004; 23:4051–4060. •Lee Y, and Kim V.N., Preparation and Characterization of Drosha. <i>Methods in Molecular Biology.</i> 2005; 309:17. and three more papers. 	Ohno Lab.
Ms. Cynthia L. Johnson	student	Dr. Michael Gale	The University of Texas Southwestern Medical Center	Dallas, USA	<ul style="list-style-type: none"> •Johnson CL, Foy E, Gale M Jr. Structure-Function Analysis of the Hepatitis C Virus NS3 Protein and the Interferon Regulatory 3 Pathway. Submitted. •Johnson CL and Gale M Jr. CARD games between virus and host get a new player. <i>Trends in Immunology.</i> In Press. •Foy E, Li K, Sumpter R Jr, Loo YM, Johnson CL, Wang C, Fish PM, Yoneyama M, Fujita T, Lemon SM, and Gale M Jr. (2005) Control of antiviral defenses through hepatitis C virus disruption of retinoic acid-inducible gene-1 signaling. <i>PNAS.</i> 102:2986–2991. •Henderson CW, Johnson CL, Lodhi, SA, Bilimoria SL. (2001) Replication of Chilo iridescent virus in the cotton boll weevil, <i>Anthonomus grandis</i>, and development of an infectivity assay. <i>Archives of Virology.</i> 146(4): 767–775. 	Fujita Lab.
Ms. Edwina Naik	student	Dr. Andreas Strasser	The Walter and Eliza Hall Institute of Medical Research	Parkville, Australia	<ul style="list-style-type: none"> • Naik E & Strasser A. The role of the Bcl-2 protein family in tumorigenesis and cancer therapy in Debatin & Fulda, <i>Cancer Therapy</i> (in press). • Willis SN, Chen L, Dawson G, Wei A, Naik E, Fletcher JI, Adams JM, Huang DC. Proapoptotic Bak is sequestered by Mcl-1 and Bcl-xL, but not Bcl-2, until displaced by BH3-only proteins. <i>Genes Dev.</i> 2005 Jun 1;19(11):1294–305. • Harder KW, Quilici C, Naik E, Inglessi M, Kountouri N, Turner A, Zlatic K, Tarlinton DM, Hibbs ML. Perturbed myelo/erythropoiesis in Lyn-deficient mice is similar to that in mice lacking the inhibitory phosphatases SHP-1 and SHIP-1. <i>Blood.</i> 2004 Dec 15;104(13):3901–10. 	Yonehara Lab.
Ms. Emily Arias	student	Dr. Johannes Walter	Harvard Medical School	Boston, USA	<ul style="list-style-type: none"> •Arias, E.E., and Walter, J.C. Initiation of DNA replication in Xenopus egg extracts. 2004. <i>Frontiers in Bioscience</i> 9: 3029–3045. (Review) •Arias, E.E., and Walter, J.C. Replication-dependent destruction of Cdt1 limits DNA replication to a single round per cell cycle in Xenopus egg extracts. 2005. <i>Genes & Development</i> 19: 114–126. 	Ishikawa Lab.
Ms. Kiran N Meekings	student	Dr. Charles Bangham	Imperial College London	London, UK	<ul style="list-style-type: none"> •Arias, E.E., and Walter, J.C. Cdt1 binding to PCNA targets Cdt1 for proteolysis by Cui4DDB1 and prevents re-replication. 2005 (submitted) 	Matsuoka Lab.
Ms. Lina Li	student	Dr. David M. Kehoe	Indiana University	Bloomington, USA	<ul style="list-style-type: none"> •Li, L, Alvey R. M., Bezy R. P. and Kehoe, D. M. RcaC binds two red light induced promoters. (in preparation) •Li, L. and Kehoe, D. M. Phosphorylation-Dependent Regulation of a Prokaryotic Response Regulator. (in progress) •Li, L. and Kehoe, D. M. (2005) In Vivo Analysis of the Roles of Conserved Aspartate and Histidine Residues within a Complex Response Regulator. <i>Mol. Micro.</i> 55(5), 1538–1552 •Swiderska, A., Berndtson, A. K., Cha, M-R, Li, L., Beaudoin, G. M. J., Zhu, J., and Fuqua, C. (2001) Inhibition of the Agrobacterium tumefaciens TraR Quorum-sensing Regulator. <i>J. Biol. Chem.</i> 276(52), 49449–49458. and one more paper. 	Kohchi Lab.

Ms. Maria Lonn	student	Dr. Arne Holmgren	Medical Nobel Institute for Biochemistry [Karolinska Institute]	Stockholm, Sweden	<ul style="list-style-type: none"> •Lillig CH, Berndt C, Vergnolle O, Lonn ME, Hudemann C, Bill E, Holmgren A. Characterisation of human glutaredoxin 2 as iron-sulfur protein: a possible role as redox sensor. <i>Proc Natl Acad Sci USA</i>. 2005 Jun 7;102(23):1687-73 •Lillig CH, Lonn ME, Enoksson M, Fernandes AP, Holmgren A. Short interfering RNA-mediated silencing of glutaredoxin 2 increases the sensitivity of HeLa cells toward doxorubicin and phenylarsine oxide. <i>Proc Natl Acad Sci USA</i>. 2004 Sep 7;101(36):13227-32 •Huppert, S. S., M.X.G. Ilagan, B. de Strooper, and R. Kopan. 2004. Analysis of Notch function in presomitic mesoderm reveals a Notch-independent role for presenilins in somitogenesis. <i>Dev Cell</i> 8(5):677-88 •Garcia, M.X.U., H. Alexander, D. Mahadeo, D. Cotter and S. Alexander. 2003. The Dictyostelium discoideum prespore-specific catalase B functions to control late development and to protect spore viability. <i>Biochim Biophys Acta</i> 1641:55-64. •Schroeter, E.H.#, M.X.G. Ilagan#, A.L. Brunkan, S. Hecimovic, Y.M. Li, M. Xu, H.D. Lewis, M.T. Saxena, B. De Strooper, A. Coonrod, T. Tomita, T. Iwatsubo, C.L. Moore, A. Goate, M.S. Wolfe, M. Shearman and R. Kopan. 2003. A presenilin dimer at the core of the gamma-secretase enzyme: insights from parallel analysis of Notch 1 and APP proteolysis. <i>Proc Natl Acad Sci USA</i>. 100(22):13075-13080. (#equal contributors) •Garcia, M.X.U., C. Foote, S. van Es, P. Devreotes, S. Alexander and H. Alexander. 2000. Differential developmental expression and cell type specificity of Dictyostelium catalases and their response to oxidative stress and UV-light. <i>Biochim Biophys Acta</i> 1492: 295-310, and four more papers. 	Yodoi Lab.
Ms. Maxene Garcia-Ilagan	PD	Dr. Raphael Kopan	The University of Washington	St. Lois, Missouri, USA	<ul style="list-style-type: none"> •Cheng W, Dumont S, Beran RK, Tinoco I Jr, Pyle AM, Bustamante C. Sequence stability dictates unwinding of double stranded RNA by HCV helicase NS3. Manuscript in preparation. •Dumont S, Cheng W, Serebrov V, Beran RK, Tinoco I Jr, Pyle AM, Bustamante C. Direct observation of substeps reveals the RNA unwinding mechanism of HCV NS3 helicase and its coordination by ATP. <i>Nature</i>, in press (2005) •Onoa B, Dumont S, Liphardt J, Smith SB, Tinoco I Jr, Bustamante C. Identifying kinetic barriers to mechanical unfolding of the T. thermophila ribozyme. <i>Science</i> 299, 1892-1895 (2003) •Liphardt J, Dumont S, Smith SB, Tinoco I Jr, Bustamante C. Equilibrium information from nonequilibrium measurements in an experimental test of Jarzynski's equality. <i>Science</i> 296, 1832-1835 (2002) •Zeng, Y., Yan, Z. & Kong, F. (2005). Synthesis of multivalent dendritic glyco-ligands. <i>Progress in Chemistry</i> 17, 111-121. •Zeng, Y., Ning, J., & Kong, F. (2003). Remote control of alpha- or beta-stereoselectivity in (1->3)-glucosylation in the presence of C-2 ester capable of neighboring group participation. <i>Carbohydrate Research</i> 338, 327-311. •Zeng, Y., Li, A. & Kong, F. (2003). A concise synthesis of arabinogalactan with beta-(1->6) galactopyranose backbone and alpha-(1->2) arabinofuranose side chains. <i>Tetrahedron Letter</i> 44, 8325-8328. •Zeng, Y. & Kong, F. (2003). Highly efficient synthesis of alternate alpha- and beta-(1->3)-linked glucose hepta- and octasaccharides. <i>Carbohydr Res</i> 338, 2047-56, and eight more papers. 	Kageyama Lab.
Ms. Sophie Dumont	student	Dr. Carlos Bustamante	University of California	Berkeley, USA	<ul style="list-style-type: none"> •Cheng W, Dumont S, Beran RK, Tinoco I Jr, Pyle AM, Bustamante C. Sequence stability dictates unwinding of double stranded RNA by HCV helicase NS3. Manuscript in preparation. •Dumont S, Cheng W, Serebrov V, Beran RK, Tinoco I Jr, Pyle AM, Bustamante C. Direct observation of substeps reveals the RNA unwinding mechanism of HCV NS3 helicase and its coordination by ATP. <i>Nature</i>, in press (2005) •Onoa B, Dumont S, Liphardt J, Smith SB, Tinoco I Jr, Bustamante C. Identifying kinetic barriers to mechanical unfolding of the T. thermophila ribozyme. <i>Science</i> 299, 1892-1895 (2003) •Liphardt J, Dumont S, Smith SB, Tinoco I Jr, Bustamante C. Equilibrium information from nonequilibrium measurements in an experimental test of Jarzynski's equality. <i>Science</i> 296, 1832-1835 (2002) 	Takeyasu Lab.
Ms. Ying Zeng	PD	Dr. Jim Paulson	The Scripps Research Institute	San Diego, California, USA	<ul style="list-style-type: none"> •Zeng, Y., Yan, Z. & Kong, F. (2005). Synthesis of multivalent dendritic glyco-ligands. <i>Progress in Chemistry</i> 17, 111-121. •Zeng, Y., Ning, J., & Kong, F. (2003). Remote control of alpha- or beta-stereoselectivity in (1->3)-glucosylation in the presence of C-2 ester capable of neighboring group participation. <i>Carbohydrate Research</i> 338, 327-311. •Zeng, Y., Li, A. & Kong, F. (2003). A concise synthesis of arabinogalactan with beta-(1->6) galactopyranose backbone and alpha-(1->2) arabinofuranose side chains. <i>Tetrahedron Letter</i> 44, 8325-8328. •Zeng, Y. & Kong, F. (2003). Highly efficient synthesis of alternate alpha- and beta-(1->3)-linked glucose hepta- and octasaccharides. <i>Carbohydr Res</i> 338, 2047-56, and eight more papers. 	kozutsumi Lab.

PD=Postdoctoral fellow

Dec 21, 2005