### Publications in the Primary Literature with Biochemistry Majors as Co-Authors by Graduation Year

(from the students’ junior year through graduation plus two years)

Student authors in bold, retrieved from ISI Web of Science and Pubmed

<table>
<thead>
<tr>
<th>Year of Graduation</th>
<th>Total Number of Authorships</th>
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<tr>
<td>2016</td>
<td>1</td>
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<td>2015</td>
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Last Update: March 01, 2017
Authors: Patel NR, Kelly CB, Siegenfeld AP, Molander GA
Title: Mild, Redox-Neutral Alkylation of Imines Enabled by an Organic Photocatalyst
Source: ACS Catalysis. 2017, Mar;7 (3):1766-1770
2015 [Publications 2013-2016(Dec)] Total: 4

Authors: Rivera-Colon Y, Maguire A, Liszczak G, Olia A, Marmorstein R.
Title: Molecular Basis for Cohesin Acetylation by Establishment of Sister Chromatid Cohesion N-Acetyltransferase ESCO1.

Authors: Bogart JA, Cole BE, Boreen MA, Lippincott CA, Manor BC, Carroll PJ, Schelter EJ
Title: Accomplishing simple, solubility-based separations of rare earth elements with complexes bearing size-sensitive molecular apertures.
Source: PNAS. 2016 Dec 27; 113 (52):14887-14892

Authors: Jeong J, Cho Y, Lee SY, Gong XT, Kamien RD, Yang S, Yodh AG
Title: Topography-guided buckling of swollen polymer bilayer films into three-dimensional structures

Authors: Rausch K, Hackett BA, Weinbren NL, Reeder SM, Sadovsky Y, Hunter CA, Schultz DC, Coyne CB, Cherry S
Title: Screening Bioactives Reveals Nanchangmycin as a Broad Spectrum Antiviral Active against Zika Virus
Source: Cell Reports. 2017, Jan 17;18 (3):804-815
2014 [Publications 2012-2013(Dec)] Total: 8

Authors: Decroos C, Bowman CM, Christianson DW.
Title: Synthesis and evaluation of N8-acetylsperridine analogues as inhibitors of bacterial acetylpolamine amidohydrolase.

Authors: Genshaft A, Moser JA, D’Antonio EL, Bowman CM, Christianson DW.
Title: Energetically unfavorable amide conformations for N6-acetyllysine side chains in refined protein structures.

Authors: Zhang N, Hoffman DJ, Gutsche N, Gupta J, Percec V.
Title: Comparison of arylboron-based nucleophiles in Ni-catalyzed Suzuki-Miyaura cross-coupling with aryl mesylates and sulfamates.

Authors: Leowanawat P, Zhang N, Safi M, Hoffman DJ, Fryberger MC, George A, Percec V.
Title: trans-Chloro(1-naphthyl)bis(triphenylphosphine)nickel(II)/PCy3 catalyzed cross-coupling of aryl and heteroaryl neopentylglycolboronates with aryl and heteroaryl mesylates and sulfamates at room temperature.

Title: Aminothienopyridazine inhibitors of tau aggregation: evaluation of structure-activity relationship leads to selection of candidates with desirable in vivo properties.

Authors: Speight LC, Muthusamy AK, Goldberg JM, Warner JB, Wissner RF, Willi TS, Woodman BF, Mehl RA, Petersson EJ.
Title: Efficient Synthesis and In Vivo Incorporation of Acridon-2-ylalanine, a Fluorescent Amino Acid for Lifetime and Förster Resonance Energy Transfer/Luminescence Resonance Energy Transfer Studies.

Authors: Harkisheimer M, Mason M, Shuvaeva E, Skordalakes E.
Title: A motif in the vertebrate telomerase N-terminal linker of TERT contributes to RNA binding and telomerase activity and processivity.
2013 [Publications 2011-2013(Dec)] Total: 13

**Authors:** Hadziahmetovic M, Pajic M, Grieco S, Song Y, Song D, Li Y, Cwanger A, Iacovelli J, Chu S, Ying GS, Connelly J, Spino M, Dunaiief JL.
**Title:** The Oral Iron Chelator Deferiprone Protects Against Retinal Degeneration Induced through Diverse Mechanisms.

**Authors:** Wolkow N, Song D, Song Y, Chu S, Hadziahmetovic M, Lee JC, Iacovelli J, Grieco S, Dunaiief JL.
**Title:** Ferroxidase hephaestin's cell-autonomous role in the retinal pigment epithelium.
**Source:** Am J Pathol. 2012 Apr;180(4):1614-24.

**Authors:** Wissner RF, Batjargal S, Fadzen CM, Petersson EJ.
**Title:** Labeling proteins with fluorophore/thioamide Förster resonant energy transfer pairs by combining unnatural amino acid mutagenesis and native chemical ligation.
**Source:** J Am Chem Soc. 2013 May 1;135(17):6529-40.

**Authors:** The transcription factor Atonal homolog 8 regulates Gata4 and Friend of Gata-2 during vertebrate development.

**Authors:** Zou Z, Enis DR, Bui H, Khandros E, Kumar V, Jakus Z, Thom C, Yang Y, Dhillon V, Chen M, Lu M, Weiss MJ, Kahn ML.
**Title:** The secreted lymphangiogenic factor CCB1 is essential for fetal liver erythropoiesis.
**Source:** Blood. 2013 Apr 18;121(16):3228-36.

**Authors:** Mallela A, Nishikura K.
**Title:** A-to-I editing of protein coding and noncoding RNAs.

**Authors:** Genshaft A, Moser JA, D'Antonio EL, Bowman CM, Christianson DW.
**Title:** Energetically unfavorable amide conformations for N6-acetyllysine side chains in refined protein structures.
**Source:** Proteins. 2013 Jun;81(6):1051-7.

**Authors:** Slotkin W, Nishikura K.
**Title:** Adenosine-to-inosine RNA editing and human disease.
**Source:** Genome Med. 2013 Nov 29;5(11):105.

**Authors:** Plikus MV, Gay DL, Trefeisen E, Wang A, Supapannachart RJ, Cotsarelis G.
**Title:** Epithelial stem cells and implications for wound repair.
**Source:** Semin Cell Dev Biol. 2012 Dec;23(9):946-53.
**Title:** Cell-type-specific activation of the oligoadenylate synthetase-RNase L pathway by a murine coronavirus.

**Authors:** Zhao L, Jha BK, Wu A, Elliott R, Ziebuhr J, Gorbalenya AE, Silverman RH, Weiss SR.
**Title:** Antagonism of the interferon-induced OAS-RNase L pathway by murine coronavirus ns2 protein is required for virus replication and liver pathology.
**Source:** Cell Host Microbe. 2012 Jun 14;11(6):607-16.

**Title:** Regeneration of fat cells from myofibroblasts during wound healing
**Source:** Science. 2017, Feb 17;355 (6326):748

**Authors:** Kumar V, Shah Y, Patel D, Khan N
**Title:** Clinical Course of Patients with a New Age Threshold for Elderly Onset Ulcerative Colitis
**Source:** American Journal of Gastroenterology. 2016, Oct 1;111 S269-S269
2012 [Publications 2010-2013(Dec)] Total: 18

**Authors:** Cuker A, Rux AH, Hinds JL, Dela Cruz M, Yarovoi SV, Brown IA, Yang W, Konkle BA, Arepally GM, Watson SP, Cines DB, Sachais BS.  
**Title:** Novel diagnostic assays for heparin-induced thrombocytopenia.  
**Source:** Blood. 2013 May 2;121(18):3727-32.

**Authors:** Hutnick NA, Myles DJ, Bian CB, Muthumani K, Weiner DB.  
**Title:** Selected approaches for increasing HIV DNA vaccine immunogenicity in vivo.  

**Authors:** Muthumani K, Shedlock DJ, Choo DK, Fagone P, Kawalekar OU, Goodman J, Bian CB, Ramanathan AA, Atman P, Tebas P, Chattergoon MA, Choo AY, Weiner DB.  
**Title:** HIV-mediated phosphatidylinositol 3-kinase/sorine-threonine kinase activation in APCs leads to programmed death-1 ligand upregulation and suppression of HIV-specific CD8 T cells.  

**Authors:** Comerci CJ, Mace EM, Banerjee PP, Orange JS.  
**Title:** CD2 promotes human natural killer cell membrane nanotube formation.  

**Authors:** Pan M, Yuan H, Brent M, Ding EC, Marmorstein R.  
**Title:** SIRT1 contains N- and C-terminal regions that potentiate deacetylase activity.  
**Source:** J Biol Chem. 2012 Jan 20;287(4):2468-76.

**Authors:** Lane MC, Jackson JG, Krizman EN, Rothstein JD, Porter BE, Robinson MB.  
**Title:** Genetic Deletion of the Neuronal Glutamate Transporter, EAAC1, Results in Decreased Neuronal Death after Pilocarpine-Induced Status Epilepticus.  
**Source:** Neurochem Int. 2013 Dec 12.

**Authors:** Khetarpal SA, Edmondson AC, Raghavan A, Neeli H, Jin W, Badellino KO, Demissie S, Manning AK, DerOhannessian SL, Wolfe ML, Cupples LA, Li M, Kathiresan S, Rader DJ.  
**Title:** Mining the LIPG allelic spectrum reveals the contribution of rare and common regulatory variants to HDL cholesterol.  
**Source:** PLoS Genet. 2011 Dec;7(12):e1002393.

**Authors:** Bobrovnikova-Marjon E, Pytel D, Riese MJ, Vaites LP, Singh N, Koretzky GA, Witze ES, Diehl JA.  
**Title:** PERK utilizes intrinsic lipid kinase activity to generate phosphatidic acid, mediate Akt activation, and promote adipocyte differentiation.  
**Source:** Mol Cell Biol. 2012 Jun;32(12):2268-78.

**Authors:** Natsuizaka M, Naganuma S, Kagawa S, Ohashi S, Ahmadi A, Subramanian H, Chang S, Nakagawa KJ, Ji X, Liebhaber SA, Klein-Szanto AJ, Nakagawa H.  
**Title:** Hypoxia induces IGFBP3 in esophageal squamous cancer cells through HIF-1α-mediated mRNA transcription and continuous protein synthesis.  
**Authors:** Hsu CJ, Hsieh WT, **Waldman A**, Clarke F, Huseby ES, Burkhardt JK, Baumgart T.
**Title:** Ligand mobility modulates immunological synapse formation and T cell activation.

**Authors:** Wannemacher KM, **Wang L**, Zhu L, Brass LF.
**Title:** The role of semaphorins and their receptors in platelets: Lessons learned from neuronal and immune synapses.
**Source:** Platelets. 2011;22(6):461-5.

**Authors:** Shedlock DJ, Aviles J, Talbott KT, Wong G, **Wu SJ**, Villarreal DO, Myles DJ, Croyle MA, Yan J, Kobinger GP, Weiner DB.
**Title:** Induction of broad cytotoxic T cells by protective DNA vaccination against Marburg and Ebola.
**Source:** Mol Ther. 2013 Jul;21(7):1432-44.

**Authors:** Shedlock DJ, Talbott KT, Cress C, Ferraro B, Tuyishme S, Mallilankaraman K, Cisper NJ, Morrow MP, **Wu SJ**, Kawalekar OU, Khan AS, Sardesa NY, Muthumani K, Shen H, Weiner DB.
**Title:** A highly optimized DNA vaccine confers complete protective immunity against high-dose lethal lymphocytic choriomeningitis virus challenge.
**Source:** Vaccine. 2011 Sep 9;29(39):6755-62.

**Authors:** Newhart A, Rafalska-Metcalf IU, **Yang T**, Negorev DG, Janicki SM.
**Title:** Single-cell analysis of Daxx and ATRX-dependent transcriptional repression.

**Title:** Single cell analysis of RNA-mediated histone H3.3 recruitment to a cytomegalovirus promoter-regulated transcription site.

**Authors:** Newhart A, Negorev DG, Rafalska-Metcalf IU, **Yang T**, Maul GG, Janicki SM.
**Title:** Sp100A promotes chromatin decondensation at a cytomegalovirus-promoter-regulated transcription site.
**Source:** Mol Biol Cell. 2013 May;24(9):1454-68.

**Authors:** Martinez NM, Pan Q, Cole BS, Yarosh CA, Babcock GA, Heyd F, **Zhu W**, Ajith S, Blencowe BJ, Lynch KW.
**Title:** Alternative splicing networks regulated by signaling in human T cells.
**Source:** RNA. 2012 May;18(5):1029-40.

**Title:** Large, Diverse Population Cohorts of hiPSCs and Derived Hepatocyte-like Cells Reveal Functional Genetic Variation at Blood Lipid-Associated Loci
**Source:** Cell Stem Cell. 2017, Apr 6;20 (4):558

**Authors:** Chavez A, Agrawal V, Johnson FB  
**Title:** Homologous recombination-dependent rescue of deficiency in the structural maintenance of chromosomes (Smc) 5/6 complex.  

**Authors:** Chavez A, George V, Agrawal V, Johnson F.  
**Title:** Sumoylation and the structural maintenance of chromosomes (Smc) 5/6 complex slow senescence through recombination intermediate resolution  

**Title:** Stimulation of the P2X7 receptor kills rat retinal ganglion cells in vivo  

**Authors:** Healy K, Ray V, Willis LJ, Peterman N, Bartel J, Drndić M.  
**Title:** Fabrication and characterization of nanopores with insulated transverse nanoelectrodes for DNA sensing in salt solution.
**Source:** Electrophoresis. 2012 Dec;33(23):3488-96.

**Authors:** Merchant CA, Healy K, Wanunu M, Ray V, Peterman N, Bartel J, Fischbein MD, Ventt K, Luo Z, Johnson AT, Drndić M.  
**Title:** DNA translocation through graphene nanopores  

**Authors:** Morine KJ, Bish LT, Selsby JT, Gazzara JA, Pendrak K, Sleeper MM, Barton ER, Lee SJ, Sweeney HL.  
**Title:** Activin IIB receptor blockade attenuates dystrophic pathology in a mouse model of Duchenne muscular dystrophy.  
**Source:** Muscle Nerve 2010 Nov;42(5):722-30.

**Authors:** Leowanawat P, Resmerita AM, Moldoveanu C, Liu C, Zhang N, Wilson DA, Hoang LM, Rosen BM, Perecc V.  
**Title:** Zero-Valent Metals Accelerate the Neopentylglycolborylation of Aryl Halides Catalyzed by NiCl(2)-Based Mixed-Ligand Systems.  
**Source:** J Org Chem. 2010 Oct 27.

**Title:** Normalization of postinfarct biomechanics using a novel tissue-engineered angiogenic construct.  
**Source:** Circulation. 2013 Sep 10;128(11 Suppl 1):S95-104.

**Title:** Sustained release of engineered stromal cell-derived factor 1-α from injectable hydrogels effectively recruits endothelial progenitor cells and preserves ventricular function after myocardial infarction.  
**Source:** Circulation. 2013 Sep 10;128(11 Suppl 1):S79-86.
**Title:** Spatially oriented, temporally sequential smooth muscle cell-endothelial progenitor cell bi-level cell sheet neovascularizes ischemic myocardium.
**Source:** Circulation. 2013 Sep 10;128(11 Suppl 1):S59-68.

**Title:** Mathematically engineered stromal cell-derived factor-1α stem cell cytokine analog enhances mechanical properties of infarcted myocardium.
**Source:** J Thorac Cardiovasc Surg. 2013 Jan;145(1):278-84.

**Authors:** Wilson DA, Wilson CJ, Moldoveanu C, Resmerita AM, Corcoran P, Hoang LM, Rosen BM, Percec V.
**Title:** Neopentylglycolborylation of aryl mesylates and tosylates catalyzed by Ni-based mixed-ligand systems activated with Zn.
**Source:** J Am Chem Soc. 2010 Feb 17;132(6):1800-1

**Authors:** Laidlaw BJ, Decman V, Ali MA, Abt MC, Wolf AI, Monticelli LA, Mozdzanowska K, Angelosanto JM, Artis D, Erikson J, Wherry EJ.
**Title:** Cooperativity between CD8+ T cells, non-neutralizing antibodies, and alveolar macrophages is important for heterosubtypic influenza virus immunity.

**Authors:** Decman V, Laidlaw BJ, Doering TA, Leng J, Ertl HC, Goldstein DR, Wherry EJ.
**Title:** Defective CD8 T cell responses in aged mice are due to quantitative and qualitative changes in virus-specific precursors.
**Source:** Immunol. 2012 Feb 15;188(4):1933-41.

**Authors:** Decman V, Laidlaw BJ, Dimenna LJ, Abdulla S, Mozdzanowska K, Erikson J, Ertl HC, Wherry EJ.
**Title:** Cell-intrinsic defects in the proliferative response of antiviral memory CD8 T cells in aged mice upon secondary infection.

**Authors:** DeSantis ME, Leung EH, Sweeney EA, Jackrel ME, Cushman-Nick M, Neuhaus-Follini A, Vashist S, Sochor MA, Knight MN, Shorter J.
**Title:** Operational plasticity enables hsp104 to disaggregate diverse amyloid and nonamyloid clients.
**Source:** Cell. 2012 Nov 9;151(4):778-93.

**Authors:** Tang JX, Mardini F, Janik LS, Garrity ST, Li RQ, Bachlani G, Eckenhoff RG, Eckenhoff MF.
**Title:** Modulation of murine Alzheimer pathogenesis and behavior by surgery.

**Authors:** Li RQ, McKinstry AR, Moore JT, Caltagarone BM, Eckenhoff MF, Eckenhoff RG, Kelz MB.
**Title:** Is hydrogen sulfide-induced suspended animation general anesthesia?
**Source:** J Pharmacol Exp Ther. 2012 Jun;341(3):735-42.
Title: Limitation of individual folding resources in the ER leads to outcomes distinct from the unfolded protein response.

Authors: Mason M, Schuller A, Skordalakes E.
Title: Telomerase Structure Function.

Authors: Gillis AJ, Schuller AP, Skordalakes E.
Title: Structure of the Tribolium castaneum telomerase catalytic subunit TERT.

Title: ADAR1 forms a complex with Dicer to promote microRNA processing and RNA-induced gene silencing.

Authors: Wulff BE, Sakurai M, Nishikura K.
Title: Elucidating the inosinome: global approaches to adenosine-to-inosine RNA editing.

Authors: Wulff BE, Nishikura K
Title: Substitutional A-to-I RNA editing.

Title: Editing of Epstein-Barr virus-encoded BART6 microRNAs controls their dicer targeting and consequently affects viral latency.

Authors: Sabin LR, Zheng Q, Thekkat P, Yang J, Hannon GJ, Gregory BD, Tudor M, Cherry S.
Title: Dicer-2 processes diverse viral RNA species.

Title: Genome-wide double-stranded RNA sequencing reveals the functional significance of base-paired RNAs in Arabidopsis.
2010 [Publications 2008-2012(Dec)] Total: 17

**Authors:** Liu Z, Myers MC, Shah PP, Beavers MP, Benedetti PA, Diamond SL, Smith AB 3rd, Huryn DM.
**Title:** Design, synthesis and biological evaluation of a library of thiocarbazates and their activity as cysteine protease inhibitors.
**Source:** Comb Chem High Throughput Screen. 2010 May;13(4):337-51.

**Authors:** Fong KP, Barry C, Tran AN, Traxler EA, Wannemacher KM, Tang HY, Speicher KD, Blair IA, Speicher DW, Grosser T, Brass LF.
**Title:** Deciphering the human platelet sheddome.

**Authors:** Komatsu H, Feingold-Link E, Sharp KA, Rastogi T, Axelsen PH.
**Title:** Intrinsic linear heterogeneity of amyloid {beta} protein fibrils revealed by higher resolution mass-per-length determinations.
**Source:** Journal of Biological Chemistry. 2010 Dec 31;285(53):41843-51.

**Authors:** Wang J, Reuschel EL, Shackelford JM, Jeang L, Shivers DK, Diehl JA, Yu XF, Finkel TH.
**Title:** HIV-1 Vif promotes the G1- to S-phase cell-cycle transition.

**Title:** The effects of apolipoprotein F deficiency on high density lipoprotein cholesterol metabolism in mice.

**Authors:** Khetarpal SA, Edmondson AC, Raghavan A, Neeli H, Jin W, Badellino KO, Demissie S, Manning AK, DerOhannessian SL, Wolfe ML, Cupples LA, Li M, Kathiresan S, Rader DJ.
**Title:** Mining the LIPG allelic spectrum reveals the contribution of rare and common regulatory variants to HDL cholesterol.
**Source:** PLoS Genet. 2011 Dec;7(12):e1002393.

**Title:** Loss-of-function variants in endothelial lipase are a cause of elevated HDL cholesterol in humans.
**Source:** J Clin Invest. 2009 Apr;119(4):1042-50.

**Authors:** Wagner AM, Fegley MW, Warner JB, Grindley CL, Marotta NP, Petersson EJ.
**Title:** N-terminal protein modification using simple aminoaoyl transferase substrates.
**Source:** J Am Chem Soc. 2011 Sep 28;133(38):15139-47.

**Authors:** Falk MJ, Rao M, Ostrovsky J, Daikhin E, Nissim I, Yudkoff M.
**Title:** Stable isotopic profiling of intermediary metabolic flux in developing and adult stage Caenorhabditis elegans.
**Source:** J Vis Exp. 2011 Feb 27;(48).
Title: Mitochondrial respiratory chain dysfunction variably increases oxidant stress in Caenorhabditis elegans.

Authors: Wan M, Leavens KF, Saleh D, Easton RM, Guertin DA, Peterson TR, Kaestner KH, Sabatini DM, Birnbaum MJ.
Title: Postprandial hepatic lipid metabolism requires signaling through Akt2 independent of the transcription factors FoxA2, FoxO1, and SREBP1c.

Authors: Youn J, Morley M, Li M, Cheung VG.
Title: RNA-sequence analysis of human B-cells.
Source: Genome Res. 2011 May 2.

Title: Diminished contact-dependent reinforcement of Syk activation underlies impaired thrombus growth in mice lacking Semaphorin 4D.

Title: Disruption of SEMA4D ameliorates platelet hypersensitivity in dyslipidemia and confers protection against the development of atherosclerosis.

Title: Hierarchical organization in the hemostatic response and its relationship to the platelet-signaling network.

Title: In vivo genome editing restores haemostasis in a mouse model of haemophilia.

Authors: Murphy SL, Bhagwat A, Edmonson S, Zhou S, High KA.
Title: High-throughput screening and biophysical interrogation of hepatotropic AAV.

Authors: Muthumani G, Laddy DJ, Sundaram SG, Fagone P, Shedlock DJ, Kannan S, Wu L, Chung CW, Lankaraman KM, Burns J, Muthumani K, Weiner DB.
Title: Co-immunization with an optimized plasmid-encoded immune stimulatory interleukin, high-mobility group box 1 protein, results in enhanced interferon-gamma secretion by antigen-specific CD8 T cells.

Authors: Muthumani, K, Choo, AY, Shedlock, DJ, Laddy, DJ, Sundaram, SG, Hirao, L, Wu, L, Thieu, KP, Chung CW, Lankaraman, KM, Tebas, P, Silvestri, G, Weiner, DB.
Title: Human Immunodeficiency Virus Type 1 Nef Induces Programmed Death 1 Expression through a p38 Mitogen-Activated Protein Kinase-Dependent Mechanism.

Authors: Shedlock DJ, Hwang D, Choo AY, Chung CW, Muthumani K, Weiner DB
Title: HIV-1 viral genes and mitochondrial apoptosis.

Authors: Muthumani, K (Muthumani, Karuppiah); Lankaraman, KM, Laddy, DJ, Sundaram, SG, Chung CW, Sako, E, Wu, L, Khan, A, Sardesai, N, Kim, JJ, Vijayachari, P, Weiner, DB.
Title: Immunogenicity of novel consensus-based DNA vaccines against Chikungunya virus.

Authors: O'Brien EM, Li J, Carroll PJ, Kozlowski MC.
Title: Synthesis of the cores of hypocrellin and shiraiachrome: diastereoselective 1,8-diketone aldol cyclization.

Title: Ras-related protein 1 and the insulin-like growth factor type I receptor are associated with risk of progression in patients diagnosed with carcinoma in situ.

Authors: Rosen BM, Peterca M, Huang C, Zeng X, Ungar G, Percec V.
Title: Deconstruction as a strategy for the design of libraries of self-assembling dendrons.
Title: Predicting the structure of supramolecular dendrimers via the analysis of libraries of AB3 and constitutional isomeric AB2 biphenylpropyl ether self-assembling dendrons.

Authors: Rosen, BM, Huang, C, Percec, V.
Title: Sequential Ni-catalyzed borylation and cross-coupling of aryl halides via in situ prepared neopentylglycolborane.

Authors: Sanders BD, Jackson B, Marmorstein R.
Title: Structural basis for sirtuin function: What we know and what we don't.

Authors: Sanders BD, Jackson B, Brent M, Taylor AM, Dang W, Berger SL, Schreiber SL, Howitz K, Marmorstein R.
Title: Identification and characterization of novel sirtuin inhibitor scaffolds.

Authors: Pedroza LA, Kumar V, Sanborn KB, Mace EM, Niikoski H, Nadeau K, Vasconcelos Dde M, Perez E, Jyonouchi S, Jyonouchi H, Banerjee PP, Ruuskanen O, Condino-Neto A, Orange JS.
Title: Autoimmune regulator (AIRE) contributes to Dectin-1-induced TNF-α production and complexes with caspase recruitment domain-containing protein 9 (CARD9), spleen tyrosine kinase (Syk), and Dectin-1.

Authors: Kumar V, Pedroza LA, Mace EM, Seeholzer S, Cotsarelis G, Condino-Neto A, Payne AS, Orange JS.
Title: The autoimmune regulator (AIRE), which is defective in autoimmune polyendocrinopathy-candidiasis-ectodermal dystrophy patients, is expressed in human epidermal and follicular keratinocytes and associates with the intermediate filament protein cytokeratin 17.

Authors: McNally A, Prier CK, MacMillan DW.
Title: Discovery of an α-amino C-H arylation reaction using the strategy of accelerated serendipity.

Authors: Lee J, Berritt S, Prier CK, Joulié MM.
Title: Facile ring-opening of azabicyclic [3.1.0] and [4.1.0]aminocyclopropanes to afford 3-piperidinone and 3-azepinone.

Authors: Johnson SA, Stinson BM, Go MS, Carmona LM, Reminick JI, Fang X, Baumgart T.
Title: Temperature-dependent phase behavior and protein partitioning in giant plasma membrane vesicles.

Authors: Hussain N, Hussain MM, Ziauddin M, Triyawatanyu P, Walsh PJ. Title: Stereoselective vinylation of aryl N-(2-pyridylsulfonyl) aldimines with 1-alkenyl-1,1-heterobimetallic reagents.
**Authors:** Richards JL, Tang X, Turetsky A, Dmochowski IJ.
**Title:** RNA bandages for photoregulating in vitro protein synthesis.
**Source:** Bioorganic Medical Chemistry Letters. 2008 Dec 1;18(23):6255-8.

**Authors:** Shen CJ, Raghavan S, Xu Z, Baranski JD, Yu X, Wozniak MA, Miller JS, Gupta M, Buckbinder L, Chen CS.
**Title:** Decreased cell adhesion promotes angiogenesis in a Pyk2-dependent manner.
**Source:** Exp Cell Res. 2011 Aug 1;317(13):1860-71

**Authors:** Zinshteyn B, Nishikura K.
**Title:** Adenosine-to-inosine RNA editing.

**Authors:** Kawahara Y, Zinshteyn B, Chendrimada TP, Shiekhattar R, Nishikura K.
**Title:** RNA editing of the microRNA-151 precursor blocks cleavage by the Dicer-TRBP complex.
**Source:** Embo Reports, 8 (8): 763-769 Aug 2007.

**Authors:** Kawahara Y, Zinshteyn B, Sethupathy P, Iizasa H, Hatzigeorgiou AG, Nishikura K.
**Title:** Redirection of silencing targets by adenosine-to-inosine editing of miRNAs.
**Source:** Science, 315 (5815): 1137-1140 Feb 23 2007.

**Authors:** Meier A, Fisher A, Sidhu HK, Chang JJ, Wen TF, Streeck H, Alter G, Silvestri G, Altfeld M.  
**Title:** Rapid loss of dendritic cell and monocyte responses to TLR ligands following venipuncture.  

**Authors:** Hershman, SG, Chen, Q, Lee, JY, Kozak, ML, Yue, P, Wang, LS, Johnson, FB.  
**Title:** Genomic distribution and functional analyses of potential G-quadruplex-forming sequences in Saccharomyces cerevisiae.  
**Source:** Nucleic Acids Research, 36 (1): 144-156 Jan 2008.

**Authors:** Hill AS, Nishino A, Nakajo K, Zhang G, Fineman JR, Selzer ME, Okamura Y, Cooper EC.  
**Title:** Ion channel clustering at the axon initial segment and node of Ranvier evolved sequentially in early chordates.  
**Source:** American Journal of Pathology. 2009 Dec;175(6):2600-8.

**Authors:** Xia SJ, Holder DD, Pawel BR, Zhang C, Barr FG.  
**Title:** High expression of the PAX3-FKHR oncoprotein is required to promote tumorigenesis of human myoblasts.  
**Source:** Journal of Biological Chemistry 2008 Apr 18;283(16):11038-49.

**Authors:** Messick, TE, Russell, NS, Iwata, AJ, Sarachan, KL, Shiekhattar, R, Shanks, JR, Reyes-Turcu, FE, Wilkinson, KD, Marmorstein, R.  
**Title:** Structural basis for ubiquitin recognition by the OTU1 ovarian tumor domain protein.  
**Source:** Journal of Biological Chemistry, 283 (16): 11038-11049 Apr 18 2008.

**Authors:** Anand R, Kim AY, Brent M, Marmorstein R.  
**Title:** Biochemical analysis of MST1 kinase: elucidation of a C-terminal regulatory region.  
**Source:** Neuroimage. 2010 Feb 1;49(3):2457-66.

**Authors:** Yushkevich PA, Avants BB, Pluta J, Minkoff D, Detre JA, Grossman M, Gee JC.  
**Title:** Shape-based alignment of hippocampal subfields: evaluation in postmortem MRI.  
2007 [Publications 2005-2009(Jan)] Total: 15

Authors: Bersenev A, Wu C, Balkerek J, Tong W.  
Title: Link controls mouse hematopoietic stem cell self-renewal and quiescence through direct interactions with JAK2.  

Title: Identification of a WD40 repeat-containing isoform of PHIP as a novel regulator of beta-cell growth and survival.  

Authors: Molander GA, Brown AR.  
Title: Suzuki-Miyaura cross-coupling reactions of potassium vinyltrifluoroborate with aryl and heteroaryl electrophiles.  

Authors: Molander GA, Elia MD.  
Title: Suzuki-Miyaura cross-coupling reactions of benzyl halides with potassium aroyltrifluoroborates.  

Authors: Forbeck EM, Evans CD, Gilleran JA, Li P, Joullie MM.  
Title: A regio- and stereoselective approach to quaternary Centers from chiral trisubstituted aziridines.  

Authors: Rocheleau CE, Cullison K, Huang K, Bernstein Y, Spilker AC, Sundaram MV.  
Title: The Caenorhabditis elegans ekl (Enhancer of ksr-1 lethality) genes include putative components of a germline small RNA pathway.  

Authors: Rho M, Su XF, Lee Y, Kim W, Dowhan W.  
Title: Incapability of utilizing galactose by pgs1 mutation occurred on the galactose incorporation step in Saccharomyces cerevisiae.  

Title: CARPs are ubiquitin Ligases that promote MDM2-independent p53 and phosphop53(ser20) degradation.  

Authors: Finnberg N, Kim SH, Furth EE, Liu JJ, Russo P, Piccoli DA, Grimberg A, El-Deiry WS.  
Title: Non-invasive fluorescence Imaging of cell death in fresh human colon epithelia treated with 5-fluorouracil, CPT-11 and/or TRAIL.  
Authors: Liu JJ, Wang WG, Dicker DT, El-Deiry WS.
Title: Bioluminescent imaging of TRAIL-induced apoptosis through detection of caspase activation following cleavage of DEVD-aminoluciferin.

Authors: Gokcumen O, Dulik MC, Pai AA, Zhadanov SI, Rubinstein S, Osipova LP, andreenkov OV, Tabikhanova LE, Gubina MA, Labuda D, Schurr TG.
Title: Genetic variation in the enigmatic Altaian Kazakhs of south-central Russia: Insights into Turkic population history.

Authors: Pipes L, Pai AA, Labuda D, Schurr TG.
Title: Analysis of mtDNA in Mongolian populations.

Authors: McDaniell R, Warthen DM, Sanchez-Lara PA, Pai A, Krantz ID, Piccoli DA, Spinner NB.
Title: NOTCH2 mutations cause Alagille syndrome, a heterogeneous disorder of the notch signaling pathway.

Authors: Porter BE, Lund IV, Varodayan FP, Wallace RW, Blendy JA.
Title: The role of transcription factors cyclic-AMP responsive element modulator (CREM) and inducible cyclic-AMP early repressor (ICER) in epileptogenesis.

Title: Photodynamic Molecular Beacon Triggered by Fibroblast Activation Protein on Cancer-Associated Fibroblasts for Diagnosis and Treatment of Epithelial Cancers.
2006 [Publications 2005-2007(July)] Total: 15

Authors: Smith AB, Charnley AK, Harada H, Beiger JJ, Cantin LD, Kenesky CS, Hirschmann R, Munshi S, Olsen DB, Stahlhut MW, Schleif WA, Kuo LC.
Title: Design, synthesis, and biological evaluation of monopyrroline-based HIV-1 protease inhibitors possessing augmented P2 side chains.

Authors: Ross SR, Schmidt JW, Katz E, Cappelli L, Hultine S, Gimotty P, Monroe JG.
Title: An immunoreceptor tyrosine activation motif in the mouse mammary tumor virus envelope protein plays a role in virus-induced mammary tumors.

Authors: Gaseska H, D'elia MA, Han B, Brown ED, McCaffery DG.
Title: Teichoic acid biosynthesis: Expression and substrate synthesis of S. aureus TagA glycosyltransferase.

Authors: Kim EJ, Hess S, Richardson SK, Newton S, Showe LC, Benoit BM, Ubrian R, Vittorio CC, Junkins-Hopkins JM, Wysocka M, Rook AH.
Title: Immunopathogenesis and therapy of cutaneous T cell lymphoma.

Authors: Zhao L, Hall JA, Levenkova N, Lee E, Middleton MK, Zukas AM, Rader DJ, Rux JJ, Pure E.
Title: CD44 regulates vascular gene expression in a proatherogenic environment

Authors: Kothapalli D, Zhao L, Hawthorne EA, Cheng Y, Lee E, Pure E, Assoian RK.
Title: Hyaluronan and CD44 antagonize mitogen-dependent cyclin D1 expression in mesenchymal cells.

Authors: Korchak HA, Dorsey LB, Li HY, Mackie D, Kilpatrick LE.
Title: Selective roles for alpha-PKC in positive signaling for O-2(−) generation and calcium mobilization but not elastase release in differentiated HL60 cells.

Authors: Kilpatrick LE, Sun S, Mackie D, Baik F, Li HY, Korchak HM.
Title: Regulation of TNF mediated antiapoptotic signaling in human neutrophils: role of delta-PKC and ERK1/2.

Authors: Kilpatrick LE, Sun S, Mackie D, Li H, Korchak HM.
Title: ERK activation is required for anti-apoptotic signaling by TNF: A role for delta- PKC.

Authors: Siegel SJ, Ehrlichman RS, Maxwell CR, Majumdar S.
Title: Pitch deviance elicited N40 augmentation and MMN are attenuated by ketamine in mice.
Authors: Siegel SJ, Ehrlichmen RS, Maxwell C, Majumdar S.
Title: Frequency mismatch negativity in mice is attenuated by ketamine.

Title: Bisphosphonate therapy improves the outcome of conventional periodontal treatment: Results of a 12-month, randomized, placebo-controlled study.

Authors: Siegel SJ, Maxwell CR, Majumdar S, Trief DF, Lerman C, Gur RE, Kanes SJ, Liang Y.
Title: Monoamine reuptake inhibition and nicotine receptor antagonism reduce amplitude and gating of auditory evoked potentials.

Authors: Murray IVJ, Sindoni ME, Axelsen PH.
Title: Promotion of oxidative lipid membrane damage by amyloid beta proteins.

Authors: Zhang L, Swift J, Butts CA, Yerubandi V, Dmochowski IJ.
Title: Structure and activity of apoferritin-stabilized gold nanoparticles
2005 [Publications 2004-2007(July)] Total: 15

Authors: Ferguson SB, Anderson ES, Harshaw RB, Thate T, Craig NL, Nelson HCM.
Title: Protein kinase A regulates constitutive expression of small heat-shock genes in an Msn2/4p-independent and Hsf1p-dependent manner in Saccharomyces cerevisiae.

Authors: Bronson J, Lee OS, Saven JG.
Title: Molecular dynamics simulation of WSK-3, a computationally designed, watersoluble variant of the integral membrane protein KcsA.

Authors: Lee OS, Bronson J, Saven JG.
Title: Simulation of water-soluble potassium channel.

Title: Duration of immunologically detectable AAV-2 capsid in an animal model.
Source: Molecular Therapy, 9: S16-S16 37 Suppl. 1 May 2004.

Authors: Flegel WA, Wagner FF, Chen Q, Schlanser G, Frame T, Westhoff CM (Westhoff Connie M.), Moulds MK (Moulds Marilyn K.).
Title: The RHCE allele ceCF: the molecular basis of Crawford (RH43).

Authors: Wang YF, Lian LR, Bach TL, Chen XS, Chen QM, Abrams CS.
Title: PIP5K gamma-null mutation induces cytoskeletal changes within megakaryocytes.

Authors: Bach TL, Chen QM, Jordan MS, Choi JK, Wu DQ, Koretzky GA, Zigmond SH, Abrams CS.
Title: PLC beta is critical for T-cell chemotaxis in vivo.
Source: Blood, 104 (11): 725a-725a 2650 Part 1 Nov 16 2004

Authors: Bach TL, Chen QM, Jordan MS, Wu DQ, Zigmond SH, Abrams CS.
Title: Roles of PLC-beta 2, -beta 3, and PI3K in T-cell migration to SDF 1-alpha.

Authors: Yang S, Farias M, Kaplanmer D, Tobias J, Grant G, Abel T, Bucan M.
Title: Biochemical, molecular and behavioral phenotypes of Rab3A mutations in the mouse
Source: Genes Brain And Behavior, 6 (1): 77-96 Feb 2007.

Title: Random mutagenesis of proximal mouse chromosome 5 uncovers predominantly embryonic.
lethal mutations.

Authors: Walters CL, Godfrey M, Li X, Blendy JA.
Title: Alterations in morphineinduced reward, locomotor activity, and thermoregulation in CREB-deficient mice.

Authors: Crawford MJ, Thomsen-Zieger N, Ray M, Schachtner J, Roos DS, Seeber F.
Title: Toxoplasma gondii scavenges host-derived lipoic acid despite its de novo synthesis in the apicoplast.

Authors: Tumkosit P, Kuryatov A, Luo J, Lindstrom J.
Title: beta 3 subunits promote expression and nicotine-induced up-regulation of human nicotinic alpha 6nicotinic acetylcholine receptors expressed in transfected cell lines

Title: A 10-gene classifier for distinguishing headand neck squamous cell carcinoma and lung squamous cell carcinoma.

Authors: Yonetani T, Wakeam E, Tsuneshige A.
Title: Modulation of the reactivity of the heme: the reaction between nitrite and hemoglobin.

Authors: Doty RL, Antunes MB, Saito K, Smith D, Gwiazda R, Roels HA, Nakagawa S, Dre zgic M, Diamond E, Park R, Bowler R.
Title: Olfactory dysfunction in welders.

Authors: Shim M, Kelly B, Hornik R.
Title: Cancer information scanning and seeking behavior is associated with knowledge, lifestyle choices, and screening.

Authors: Swift J, Wehbi WA, Kelly BD, Stowell XF, Saven JG, Dmochowski IJ.
Title: Design of functional ferritin-like proteins with hydrophobic cavities.

Authors: Seo HS, Abedin S, Kamp D, Wilson DN, Nierhaus KH, Cooperman BS.
Title: EF-G-dependent GTPase on the ribosome. Conformational change and fusidic acid inhibition.

Authors: Hamanaka RB, Bennett BS, Cullinan SB, Diehl JA.
Title: PERK and GCN2 contribute to eIF2 alpha phosphorylation and cell cycle arrest after activation of the unfolded protein response pathway.

Authors: Gifford LK, Jordan D, Pattanayak V, Vernovsky K, Do BT, Gewirtz AM, Lu P.
Title: Stemless self-quenching reporter molecules identify target sequences in mRNA.

Authors: O’Hara P, Barr LK, Kessler DS.
Title: Zebrafish Lmx1b.1 and Lmx1b.2 are necessary to maintain the isthmic organizer.

Authors: Bates SR, Baldwin DA, Channing A, Gifford LK, Hsu A, Lu P.
Title: Cooperativity of paired oligonucleotide probes for microarray hybridization assays.

Authors: Walters CL, Cleck JN, Kuo YC, Blendy JA.
Title: mu-Opioid receptor and CREB activation are required for nicotine reward.

Authors: Forman MS, Lal D, Zhang B, Dabir DV, Swanson E, Lee VMY, Trojanowski JQ.
Title: Transgenic mouse model of tau pathology in astrocytes leading to nervous system degeneration.

Title: Identification of antisense nucleic acid hybridization sites in mRNA molecules with self-quenching fluorescent reporter molecules.
**Authors:** Greenbaum EA, Graves CL, Mishizen-Eberz AJ, Lupoli MA, Lynch DR, Englander SW, Axelsen PH, Giasson BI.
**Title:** The E46K mutation in alpha-synuclein increases amyloid fibril formation.
**Source:** Journal of Biological Chemistry, 280 (9): 7800-7807 Mar 4 2005.

**Authors:** Coppens AG, Gilbert-Gregory S, Steinberg SA, Heizmann C, Poncelet L.
**Title:** Inner ear histopathology in "nervous Pointer dogs" with severe hearing loss.
**Source:** Hearing Research, 200 (1-2): 51-62 Feb 2005

**Authors:** Forman MS, Lal D, Zhang B, Dabir D, Lee VM, Trojanowski JQ.
**Title:** Transgenic mouse models of tau pathology in astrocytes leading to nervous system degeneration.
**Source:** Neurobiology of Aging, 25: S16-S16 Suppl. 2 Jul 2004.

**Authors:** Forman M, Lal D, Zhang B, Dabir D, Lee VMY, Trojanowski JQ.
**Title:** Transgenic mouse models of tau pathology in astrocytes leading to nervous system degeneration.
**Source:** Journal of Neuropathology and Experimental Neurology, 63 (5): 555-+ 179 May 2004.

**Title:** Immune reconstitution following autologous transfers of CD3/CD28 stimulated CD4(+) T cells to HIV-infected persons.
**Source:** Clinical Immunology, 111 (3): 262-274 Jun 2004.

**Authors:** Conti AC, Kuo YC, Valentino RJ, Blendy JA.
**Title:** Inducible cAMP early repressor regulates corticosterone suppression after tricyclic antidepressant treatment.

**Authors:** Goren J, Rinaldi K, Tomaszewski JE, Martin AM, Aiello L, Lee SN, Weber BL, Nathanson KL.
**Title:** Sarcoma in familial multiple lipomatosis: using array-based comparative genomic hybrization to identify regions for linkage.
**Source:** American Journal of Human Genetics, 73 (5): 371 Nov 2003.

**Authors:** Walters CL, Kuo YC, Blendy JA.
**Title:** Differential distribution of CREB in the mesolimbic dopamine reward pathway.

**Authors:** Opalinska JB, Gifford LK, Henningson C, Robbins M, Pattanayak V, Kalota A, Lu P, Gewirtz AM.
**Title:** A rational approach to nucleic acid based targeting of RNA molecules using selfquenching reporter molecules (SQRM).

**Authors:** Truschel ST, Raposo G, Theos AC, Thomas P, Tenza D, Marks MS.
**Title:** Melanosome biogenesis: A model system to study sorting in lysosome-related organelles.
**Authors:** Wehbi WA, **Kelly BD,** Dmochowski IJ.
**Title:** Novel ferritins with designed hydrophobic interiors.
**Source:** Abstracts of Papers of the American Chemical Society, 228: U848-U848 451-Inor Part 1 Aug 22 2004.

**Authors:** Venkatesha RT, Ahamed J, **Nuesch C,** Zaidi AK, Ali H.
**Title:** Platelet-activating factor-induced chemokine gene expression requires NF-kappa B activation and Ca2+/calcineurin signaling pathways - Inhibition by receptor phosphorylation and beta-arrestin recruitment.

**Authors:** Dostie JE, Mourelatos Z, **Yang M,** Sharma A, Dreyfuss G.
**Title:** Numerous microRNPs in neuronal cells containing novel microRNAs.

**Authors:** Parry RV, Chemnitz JM, Frauwirth KA, Lanfranco AR, **Braunstein I**, Kobayashi SV, Linsley PS, Thompson CB, Riley JL.  
**Title:** CTLA-4 and PD-1 receptors inhibit T-cell activation by distinct mechanisms.  
**Source:** Molecular and Cellular Biology, 25 (21): 9543-9553 Nov 2005.

**Authors:** Chemnitz JM, Riley JL, Frauwirth KA, **Braunstein I**, Kobayashi SV, Linsley PS, Thompson CB, Parry RV.  
**Title:** CTLA-4 and PD-1 receptors inhibit T-cell activation by distinct mechanisms.  
**Source:** Blood, 104 (11): 726a-726a 2657 Part 1 Nov 16 2004.

**Authors:** Hartman HB, Hu X, Tyler KX, **Dalal CK**, Lazar MA.  
**Title:** Mechanisms regulating adipocyte expression of resistin.  
**Source:** Journal of Biological Chemistry, 277 (22): 19754-19761 May 31.

**Authors:** Shetzline SE, Rallapalli R, **Dowd KJ**, Zou SM, Nakata Y, Swider CR, Kalota A, Choi JK, Gewirtz AM.  
**Title:** Neuromedin U: a Myb-regulated autocrine growth factor for human myeloid leukemias.  

**Authors:** Shetzline SE, **Dowd KJ**, Zou SM, Nakata Y, Swider CR, Kolata A, Choi JK, Gewirtz AM.  
**Title:** Neuromedin U is a novel Myb-regulated gene that stimulates growth and induces intracellular calcium flux of human myeloid leukemia cells.  

**Authors:** Shetzline SE, **Dowd KJ**, Neely RJ, Choi JK, Zou SM, Nakata Y, Swider CR, Gewirtz AM.  
**Title:** Neuromedin U: A novel gene target of the c-Myb proto-oncogene in normal and malignant human hematopoietic cells.  

**Authors:** Shetzline SE, Neely RJ, **Dowd KJ**, Choi JK, Gewirtz AM.  
**Title:** Candidate gene targets of the c-myb protooncogene in human myeloid leukemia.  

**Authors:** Lightfoot RT, **Khov S**, Ischiropoulos H.  
**Title:** Transient injury to rat lung mitochondrial DNA after exposure to hyperoxia and inhaled nitric oxide.  

**Authors:** Zhou S, Gell D, Kong Y, **Li J**, Mackay J, Gow A, Weiss M.  
**Title:** Mechanisms of alpha hemoglobin stabilizing protein (AHSP) actions.  
**Source:** Blood Cells Molecules and Diseases, 34 (2): 129-129 120 Mar Apr 2005.

**Authors:** Zhou SP, Gell D, Kong Y, **Li JQ**, MacKay JP, Weiss MJ, Gow AJ.  
**Title:** Mechanisms of alpha hemoglobin stabilizing protein (AHSP) actions.  
**Title:** Molecular mechanism of AHSP-mediated stabilization of alpha-hemoglobin.

**Authors:** Thomas SA, Murchison CF, Zhang XY, Ouyang M, Zhang WP, Hellman K, Abel T.
**Title:** Role for norepinephrine in attention, learning and memory: Insights from knockout mice.
**Source:** Neuropsychopharmacology, 30: S66-S67 Suppl. 1 Dec 2005.

**Authors:** Murchison CF, Zhang XY, Zhang WP, Ming OY, Lee A, Thomas SA.
**Title:** A distinct role for norepinephrine in memory retrieval.
**Source:** Cell, 117 (1): 131-143 Apr 2 2004.

**Authors:** Gifford LK, Opalinska JB, Jordan D, Pattanayak V, Greenham P, Kalota A, Robbins M, Vernovsky K, Rodriguez LC, Do BT, Lu P, Gewirtz AM.
**Title:** Identification of antisense nucleic acid hybridization sites in mRNA molecules with selfquenching fluorescent reporter molecules.

**Authors:** Opalinska JB, Gifford LK, Henningson C, Robbins M, Pattanayak V, Kalota A, Lu P, Gewirtz AM.
**Title:** A rational approach to nucleic acid based targeting of RNA molecules using selfquenching reporter molecules (SQRM).

**Authors:** Henningson CT, Demir G, Robbins M, Rallapalli R, Gewirtz AM.
**Title:** Inhibition of c-Kit receptor expression in malignant human neuroepithelial cells by RNA interference.

**Authors:** Nelson P, Kiriakidou M, Sharma A, Maniataki E, Mourelatos Z.
**Title:** The microRNA world: small is mighty.

**Authors:** Dostie JE, Mourelatos Z, Yang M, Sharma A, Dreyfuss G.
**Title:** Numerous microRNPs in neuronal cells containing novel microRNAs.

**Authors:** Mourelatos Z, Dostie J, Paushkin S, Sharma A, Charroux B, Abel L, Rappaport J, Mann M, Dreyfuss G.
**Title:** miRNPs: a novel class of ribonucleoproteins containing numerous microRNAs.
**Source:** Genes & Development, 16 (6): 720-728 Mar 15 2002.

**Authors:** Torres-Cruz J, van der Woude MW.
**Title:** Slipped-strand mispairing can function as a phase variation mechanism in Escherichia coli.
**Source:** Journal of Bacteriology, 185 (23): 6990-6994 Dec 2003.

Authors: Driscoll DA, Boland TA, Campanile JA, Levin E, Brown K, Goldmuntz E, Mitchell L.
Title: Association study of MTHFR polymorphisms and congenital heart defects.

Authors: Chen DT, Weeks ER, Crocker JC, Islam MF, Verma R, Gruber J, Levine AJ, Lubensky TC, Yodh AG.
Title: Rheological microscopy: Local mechanical properties from microrheology.

Authors: Hong RW, Shchepetov M, Weiser JN, Axelsen PH.
Title: Transcriptional profile of the Escherichia coli response to the antimicrobial insect peptide cecropin A.

Authors: Bates SR, Baldwin DA, Channing A, Gifford LK, Hsu A, Lu P.
Title: Cooperativity of paired oligonucleotide probes for microarray hybridization assays.

Authors: Jagolino AL, Armstead WM.
Title: PTK, MAPK, and NOC/oFQ impair hypercapnic cerebrovasodilation after hypoxia/ischemia.

Authors: Jagolino A, Armstead WM.
Title: Nociceptin/orphanin FQ contributes to hypoxic/ischemic impairment of hypercapnic cerebrovasodilation.

Authors: Kolpak AM, Sai N, Rappe AM.
Title: Importance of interfacial chemistry in ultrathin ferroelectrics.

Authors: Cooper VR, Kolpak AM, Rappe AM.
Title: Oxide-supported metal thin film catalysts: The how and why?

Authors: Thomer M, May NR, Aggarwal BD, Kwok G, Calvi BR.
Title: Drosophila double-parked is sufficient to induce re-replication during development and is regulated by cyclin E/CDK2.

Title: Identification of antisense nucleic acid hybridization sites in mRNA molecules with selfquenching fluorescent reporter molecules.
Authors: Sankaran VG, Klein DE, Sachdeva MM, Lemmon MA.
Title: High affinity binding of a FYVE domain to phosphatidylinositol 3-phosphate requires intact phospholipid but not FYVE domain oligomerization.

Authors: Muthumani K, Hwang DS, Desai BM, Zhang DH, Dayes N, Green DR, Weiner DB.  
Title: HIV-1 Vpr induces apoptosis through caspase 9 in T cells and peripheral blood mononuclear cells.  

Authors: Muthumani K, Zhang DH, Hwang DS, Kudchodkar S, Dayes NS, Desai BM, Malik AS, Yang JS, Chattergoon MA, Maguire HC, Weiner DB.  
Title: Adenovirus encoding HIV-1 Vpr activates caspase 9 and induces apoptotic cell death in both p53 positive and negative human tumor cell lines.  

Authors: Chang DW, Ditsworth D, Liu HT, Srinivasula SM, Alnemri ES, Yang XL.  
Title: Oligomerization is a general mechanism for the activation of apoptosis initiator and inflammatory procaspases.  

Authors: Hanna LA, Foreman RK, Tarasenko IA, Kessler DS, Labosky PA.  
Title: Requirement for Foxd3 in maintaining pluripotent cells of the early mouse embryo.  

Title: Foxd3 in patterning the early mouse embryo.  

Authors: Kessler DS, Engleka MJ, Brown E, Cluzet V, Craig E, Foreman R, Labosky PA.  
Title: Mesendoderm induction by Hfh2.  

Authors: Kanzler B, Foreman RK, Labosky PA, Mallo M.  
Title: BMP signaling is essential for development of skeletogenic and neurogenic cranial neural crest.  

Authors: Chen DT, Weeks ER, Crocker JC, Islam MF, Verma R, Gruber J, Levine AJ, Lubensky TC, Yodh AG.  
Title: Rheological microscopy: Local mechanical properties from microrheology.  

Authors: Eckenhoff RG, Knoll FJ, Greenblatt EP, Dailey WP.  
Title: Halogenated diazirines as photolabel mimics of the inhaled haloalkane anesthetics.  

Authors: Yonetani T, Park S, Tsuneshige A, Imai K, Kanaori K.  
Title: Global allostery model of hemoglobin - Modulation of O-2 affinity, cooperativity, and Bohr effect by heterotropic allosteric effectors.  
Authors: Tsuneshige A, Park S, Yonetani T.
Title: Heterotopic effectors control the hemoglobin function by interacting with its T and R states - a new view on the principle of allostery.

Authors: Fields ML, Sokol CL, Eaton-Bassiri A, Seo S, Madaio MP, Erikson J
Title: Fas/Fas ligand deficiency results in altered localization of anti-double-stranded DNA B cells and dendritic cells.

Title: The origin of anti-nuclear antibodies in bcl-2 transgenic mice.

Authors: Laney AO, Morrissette JD, Abed J, Wound J, Spinner NB.
Title: Splice site mutations in the Jagged1 gene.

Authors: Friesen WJ, Wyce A, Paushkin S, Abel L, Rappolilber J, Mann M, Dreyfuss G.
Title: A novel WD repeat protein component of the methylosome binds Sm proteins.

Title: The methylosome, a 20S complex containing JBP1 and pICn, produces dimethylarginine-modified Sm proteins.

Authors: Friesen WJ, Massenet S, Paushkin S, Wyce A, Dreyfuss G.
Title: SMN, the product of the spinal muscular atrophy gene, binds preferentially to dimethylarginine-containing protein targets.


Authors: MacDonald D, Herbert K, Zhang XL, Polgruto T, Lu P.
Title: Solution structure of an A-tract DNA bend.

Authors: Mac Donald DA, Herbert K, Zhang XL, Pologruto T.
Title: Solution structure of an A-tract DNA bend.

Authors: MacDonald DA, Zhang X, Herbert KM, Pologruto TA, Lu P.
Title: Geometry of adenine tract DNA.

Authors: Zartler ER, Pologruto TA, Saddiqui SM, Herbert KM, Lu P.
Title: Functional dimeric lac repressor DNA-binding domains.

Authors: Robin MA, Metzl M, Anandatheerthavarda HK, Biswas G, Avadhani NG.
Title: Mechanisms of dual targeting of P4502E1 and 3A1/2 to ER and mitochondria.

Authors: Frasnelli J, Livermore A, Soiffer A, Hummel T.
Title: Comparison of lateralized and binasal olfactory thresholds.

Authors: O'Malley KA, Brown GAJ, Weil D, Venteicher A, Gadue P, Scott EW.
Title: Overcoming the PU.1 defect: Regulation of PU.1 in vivo through use of tamoxifen.

Authors: Venteicher A, Armstead WM.
Title: Vasopressin contributes to dynorphin modulation of hypoxic cerebrovasodilation.

**Title:** HIV-1 DNA vaccines and chemokines.  
**Source:** Vaccine, 17: S53-S64 Suppl. 2 Oct 1 1999.

**Title:** Molecular and immunological analysis of genetic prostate specific antigen (PSA) vaccine.  
**Source:** Oncogene, 17 (24): 3125-3135 Dec 17 1998.

**Title:** Modulation of amplitude and direction of in vivo immune responses by co-administration of cytokine gene expression cassettes with DNA immunogens.  
**Source:** European Journal of Immunology, 28 (3): 1089-1103 Mar 1998.

**Authors:** Huh J, Gross GJ, Nagase H, Liang BT.  
**Title:** Protection of cardiac myocytes via delta(1)-opioid receptors, protein kinase C, and mitochondrial K-ATP channels.  

**Authors:** Lukens AK, King DA, Marmorstein R.  
**Title:** Structure of HAP1-PC7 bound to DNA: implications for DNA recognition and allosteric effects of DNA-binding on transcriptional activation.  

**Authors:** Mac Donald DA, Herbert K, Zhang XL, Pologruto T.  
**Title:** Solution structure of an A-tract DNA bend.  

**Authors:** MacDonald DA, Zhang X, Herbert KM, Pologruto TA, Lu P.  
**Title:** Geometry of adenine tract DNA.  

**Authors:** Zartler ER, Pologruto TA, Saddiqui SM, Herbert KM, Lu P.  
**Title:** Functional dimeric lac repressor DNA-binding domains.  

**Authors:** Sanger JM, Ayoob JC, Louw AK, Zurawski DV, Chowrashi P, Kaper JB, Sanger JW.  
**Title:** Actin polymerization is responsible for pedestal formation and motility of EPEC.  

**Authors:** Sanger JW, Louw AK, Ayoob JC, Sanger JM.  
**Title:** Differential effects of Latrunculin-A on non-muscle & muscle cells.  
**Source:** Molecular Biology of the Cell, 9: 826 Suppl. S Nov 1998.

**Authors:** Jin Y, Stayrook SE, Albert RH, Palackal NT, Penning TM, Lewis M.  
**Title:** Crystal structure of human type III 3 alpha-hydroxysteroid dehydrogenase/bile acid binding protein complexed with NADP(+) and ursodeoxycholate.  
**Source:** Biochemistry, 40 (34): 10161-10168 Aug 28 2001.

**Authors:** Albert RH, Lewis M, Penning TM, Bennett MJ.  
**Title:** Crystallization of 3 alpha-Hydroxysteroid/Dihydrodiol Dehydrogenase complexed with NADP+ and various substrates.  

**Authors:** Bennett MJ, Albert RH, Jez JM, Ma HC, Penning TM, Lewis M.  
**Title:** Steroid recognition and regulation of hormone action: Crystal structure of testosterone and NADP(+) bound to 3 alpha-hydroxysteroid dihydrodiol dehydrogenase.  

**Authors:** Ayyavoo V, Kudchodkar S, Ramanathan MP, Le P, Muthumani K, Megalai NM, Dentchev T, Santiago-Barrios L, Mrinalini C, Weiner DB.  
**Title:** Immunogenicity of a novel DNA vaccine cassette expressing multiple human immunodeficiency virus (HIV-1) accessory genes.  
**Source:** Aids, 14 (1): 1-9 Jan 7 2000.

**Title:** Construction of attenuated HIV-1 accessory gene immunization cassettes.  
**Source:** Vaccine, 16 (19): 1872-1879 Nov 1998.

**Title:** Development of genetic vaccines for pathogenic genes: construction of attenuated vif DNA immunization cassettes.  
**Source:** Aids, 11 (12): 1433-1444 Oct 1997.

**Authors:** Kuo MF, Song DK, Murphy S, Papadopoulos MD, Wilson DF, Pastuszko A.  
**Title:** Excitatory amino acid receptor antagonists decrease hypoxia induced increase in extracellular dopamine in striatum of newborn piglets.  

**Authors:** Xu X, Li W, Huang GY, Meyer R, Chen T, Luo Y, Thomas MP, Radice GL, Lo CW.  
**Title:** Modulation of mouse neural crest cell motility by N-cadherin and connexin 43 gap junctions.  

**Authors:** Linask KL, Thomas MP, Xu X, Li WEI, Meyer RA, Ek-Vitorin J, Delmar M, Linask KK, Wessels A, Lo CW.  
**Title:** Regulation of cardiac development and function by the cytoplasmic tail of 43 alpha 1 connexin.  
Authors: Epstein JA, Li J, Lang D, Chen F, Brown CB, Jin FZ, Li MM, Thomas M, Liu ECJ, Wessels A, Lo CW.
Title: Migration of cardiac neural crest cells in Splotch embryos.

Authors: Lo CW, Thomas M, Linask L, Xu X, Huang GY.
Title: alpha(1) connexin and the modulation of neural crest cell migration in mammalian heart development.

Authors: Huang GY, Thomas M, Michel P, Cooper E, Lo CW.
Title: A role for Cx43 gap junctions in the modulation of neural crest migration.

Authors: Tidd T, Kudaravalli R, Beaverson K, DiMichele DM, High KA, Pollak ES.
Title: Two novel point mutations identified in the human coagulant protein factor VII gene.

Authors: Kudaravalli R, Pinotti M, Tidd T, Barber J, High KA, Pollak ES.
Title: The combinatin of polymorphisms in the A2 promoter allele in the human coagulation factor VII (FVII) gene lowers FVII promoter strength in vitro.

Authors: Mo Y, Vaessen B, Johnston K, Marmorstein R.
Title: Structure of the Elk-1-DNA complex reveals how DNA-distal residues affect ETS domain recognition of DNA.

Authors: Mo Y, Vaessen B, Johnston K, Marmorstein R.
Title: Structures of SAP-1 bound to DNA targets from the E74 and c-fos promoters: Insights into DNA sequence discrimination by ETS proteins.

Authors: Stoykova LI, Grinspan JB, Wong IY, Glick MC.
Title: The activity of poly alpha 2,8NeuAcTransferase and alpha 1,3FucTransferases during the maturation of oligodendrocytes.

Authors: Aduana G, Zhang H, Kallen RG.
Title: SkM2 expression is not inducible in a nonmyogenic cell line by coexpression of myogenic factors: MyoD, Myf 5, Mrf 4, myogenin, or MEF-2C.

Authors: Pryor BA, Palmer PM, Andrews PM, Berger MB, Topp MR.
Title: Spectroscopy of jet-cooled water complexes with coumarin 151: Observation of vibronically induced conformational barrier crossing.

Authors: Andrews PM, Pryor BA, Berger MB, Palmer PM, Topp MR.
Title: Rotational coherence measurements and structure calculations of hydrogen-bonded complexes of perylene with water and alcohols.

Authors: Pryor BA, Palmer PM, Andrews PM, Berger MB, Troxler T, Topp MR.
Title: Spectroscopy of jet-cooled polar complexes of aminophthalimides.

Authors: Hong M, Chen DCR, Klein PS, Lee VMY.
Title: Lithium reduces tau phosphorylation by inhibition of glycogen synthase kinase-3.

Authors: Jaffe, JD, Jones, SL, Brown, EJ, Zigmond, SH
Title: Fimbrin depletion enhances actin polymerization in cell lysates in vitro.

Authors: Tang WX, Bazarraa H, Magiera H, Cooke NE, Haddad JG.
Title: Electrophoretic shift assay identifies DBP and DBP-actin complexes in human, rat and mouse serum.

Authors: Tang WX, Bazarraa HM, Magiera H, Cooke NE, Haddad JG.
Title: Electrophoretic mobility shift assay identifies vitamin D binding protein (Gcglobulin) in human, rat, and mouse sera.

Authors: Wilderman, MJ, Armstead, WM.
Title: Role of endothelial nitric oxide synthase in hypoxia-induced pial artery dilation.

Authors: Wilderman MJ, Armstead WM.
Title: Role of endothelial nitric oxide synthase in hypoxic pial artery dilation.
Authors: Wilderman MJ, Armstead WM.
Title: Role of neuronal NO synthase in relationship between NO and opioids in hypoxia-induced pial artery dilation.

Authors: Wilderman MJ, Armstead, WM.
Title: Role of PACAP in the relationship between cAMP and opioids in hypoxia-induced pial artery vasodilation.

Authors: Wilderman MJ, Armstead, WM.
Title: Influence of cAMP on cerebrospinal fluid opioid concentration: Role in cAMPinduced pial artery dilation.

Authors: Wilderman MJ, Armstead WM.
Title: Relationship between nitric oxide and opioids in hypoxia-induced pial artery vasodilation.

Authors: Boriack-Sjodin PA, Zeitlin S, Chen HH, Crenshaw L, Gross S, Dantanarayana A, Delgado P, May JA, Dean T, Christianson DW.
Title: Structural analysis of inhibitor binding to human carbonic anhydrase II.

Authors: Chiang MY, Monroe JG.
Title: BSAP/Pax5A expression blocks survival and expansion of early myeloid cells implicating its involvement in maintaining commitment to the B-lymphocyte lineage.

Authors: Chiang M, Scott E, Monroe J.
Title: The transcription factor Pax5A (BSAP) can suppress myelopoiesis.

Authors: Hoffman DJ, Zanelli SA, Cho U, Mishra OP, Delivoria Papadopoulos M.
Title: Effect of bilirubin infusion on the glutamate site of the N-methyl-D-aspartate (NMDA) receptor in the brain of the newborn piglet.

Authors: Marassi FM, Ma C, Gratkowski H, Straus SK, Strebel K, Oblatt-Montal M, Montal M, Opella SJ.
Title: Correlation of the structural and functional domains in the membrane protein Vpu from HIV-1.

Authors: Jelinek R, Monette M, Gratkowski H, Opella SJ.
Title: NMR structural studies of short peptides displayed on the coat protein of fd filamentous bacteriophage.

Authors: Han J, Jenq WM, Kefalides NA.
Title: Integrin alpha(2)beta(1) recognizes laminin-2 and induces C-erb B-2 tyrosine phosphorylation in metastatic human melanoma cells.

Authors: Roman G, Lubarsky B, Kieber JJ, Rothenberg M, Ecker JR.
Title: Genetic-analysis of ethylene signal-transduction in Arabidopsis-Thaliana-5 novel mutant loci integrated into a stress-response pathway.
Source: Genetics, 139 (3): 1393-1409 Mar 1995.

Authors: Manson LA, Ow YL, Kennett RH.
Title: Immunological studies of human neuroblastoma.

Authors: Block KL, Ravid K, Phung QH, Poncz M.
Title: Characterization of regulatory elements in the 5'-flanking region of the rat GPIIB gene by studies in a primary rat marrow culture system