

Nature Papers From the University of Utah: 1999-2002
44 Papers
(*News and Views or commentary)

Differential contribution of NMDA receptors in hippocampal subregions to spatial working memory Inah Lee, Raymond P. Kesner
Nature Neuroscience **5**, 162 - 168 (01 Feb 2002)

Long-term preservation of cortically dependent visual function in RCS rats by transplantation P. J. Coffey, S. Girman, S. M. Wang, L. Hetherington, D. J. Keegan, P. Adamson, J. Greenwood, R. D. Lund
Nature Neuroscience **5**, 53 - 56 (01 Jan 2002)

***Wisdom through immunogenetics** Wayne K. Potts
Nature Genetics **30**, 130 - 131 (01 Feb 2002)

Inherited variants of MYH associated with somatic G:C→T:A mutations in colorectal tumors Nada Al-Tassan, Nikolas H. Chmiel, Julie Maynard, Nick Fleming, Alison L. Livingston, Geraint T. Williams, Angela K. Hodges, D. Rhodri Davies, Sheila S. David, Julian R. Sampson, Jeremy P. Cheadle
Nature Genetics **30**, 227 - 232 (01 Feb 2002)

Φ-Values for BPTI folding intermediates and implications for transition state analysis Grzegorz Bulaj, David P. Goldenberg
Nature Structural Biology **8**, 326 - 330 (01 Apr 2001)

***Defining polyubiquitin chain topology** Nei-Li Chan, Christopher P. Hill
Nature Structural Biology **8**, 650 - 652 (01 Aug 2001)

A candidate prostate cancer susceptibility gene at chromosome 17p
Sean V. Tavtigian, Jacques Simard, David H.F. Teng, Vicki Abtin, Michelle Baumgard, Audrey Beck, Nicola J. Camp, Arlene R. Carillo, Yang Chen, Priya Dayananth, Marc Desrochers, Martine Dumont, James M. Farnham, David Frank, Cheryl Frye, Siavash Ghaffari, Jamila S. Gupte, Rong Hu, Diana Iliev, Teresa Janecki, Edward N. Kort, Kirsten E. Laity, Amber Leavitt, Gilles Leblanc, Jodi McArthur-Morrison, Amy Pederson, Brandon Penn, Kelly T. Peterson, Julia E. Reid, Sam Richards, Marianne Schroeder, Richard Smith, Sarah C. Snyder, Brad Swedlund, Jeff Swensen, Alun Thomas, Martine Tranchant, Ann-Marie Woodland, Fernand Labrie, Mark H. Skolnick, Susan Neuhausen, Johanna Rommens, Lisa A. Cannon-Albright
Nature Genetics **27**, 172 - 180 (01 Feb 2001)

Odour-plume dynamics influence the brain's olfactory code Neil J. Vickers, Thomas A. Christensen, Thomas C. Baker, John G. Hildebrand
Nature **410**, 466 - 470 (22 Mar 2001)

Covalent inhibition revealed by the crystal structure of the caspase-8/p35 complex Guozhou Xu, Maurizio Cirilli, Yihua Huang, Rebecca L. Rich, David G. Myszka, Hao Wu
Nature **410**, 494 - 497 (22 Mar 2001)

Mobilization of a Drosophila transposon in the Caenorhabditis elegans germ line Jean-Louis Bessereau, Ashley Wright, Daniel C. Williams, Kim Schuske, M. Wayne Davis, Erik M. Jorgensen
Nature **413**, 70 - 74 (06 Sep 2001)

Motor-cortical activity in tetraplegics Shy Shoham, Eric Halgren, Edwin M. Maynard, Richard A. Normann
Nature **413**, 793 (25 Oct 2001)

***mRNA readout at 40** John F. Atkins, Raymond F. Gesteland
Nature **414**, 693 (13 Dec 2001)

***RNA interference: The short answer** Brenda L. Bass
Nature **411**, 428 - 429 (24 May 2001)

A post-docking role for active zone protein Rim Sandhya P. Koushika, Janet E. Richmond, Gayla Hadwiger, Robby M. Weimer, Erik M. Jorgensen, Michael L. Nonet
Nature Neuroscience **4**, 997 - 1005 (01 Oct 2001)

Compulsory averaging of crowded orientation signals in human vision Laura Parkes, Jennifer Lund, Alessandra Angelucci, Joshua A. Solomon, Michael Morgan
Nature Neuroscience **4**, 739 - 744 (01 Jul 2001)

Learning deficits, but normal development and tumor predisposition, in mice lacking exon 23a of Nf1 Rui M. Costa, Tao Yang, Duong P. Huynh, Stefan M. Pulst, David H. Viskochil, Alcino J. Silva, Camillynn I. Brannan
Nature Genetics **27**, 399 - 405 (01 Apr 2001)

***Generating mice with targeted mutations** Mario R. Capecchi
Nature Medicine **7**, 1086 - 1090 (01 Oct 2001)

Evasion of human innate and acquired immunity by a bacterial homolog of CD11b that inhibits opsonophagocytosis Benfang Lei, Frank R. DeLeo, Nancy P. Hoe, Morag R. Graham, Stacy M. Mackie, Robert L. Cole, Mengyao Liu, Harry R. Hill, Donald E. Low, Michael J. Federle, June R. Scott, James M. Musser
Nature Medicine **7**, 1298 - 1305 (01 Dec 2001)

Adult mice deficient in actinin-associated LIM-domain protein reveal a developmental pathway for right ventricular cardiomyopathy

Mohammad Pashmforoush, Pascal Pomiès, Kirk L. Peterson, Steve Kubalak, John Ross, Andreas Hefti, Ueli Aebi, Mary C. Beckerle, Kenneth R. Chien
Nature Medicine **7**, 591 - 597 (01 May 2001)

Defective DNA polymerase- δ proofreading causes cancer susceptibility in mice Robert E. Goldsby, Nicole A. Lawrence, Laura E. Hays, Elise A. Olmsted, Xin Chen, Mallika Singh, Bradley D. Preston
Nature Medicine **7**, 638 - 639 (01 Jun 2001)

In vivo targeted repair of a point mutation in the canine dystrophin gene by a chimeric RNA/DNA oligonucleotide Richard J. Bartlett, Sabine Stockinger, Melvin M. Denis, William T. Bartlett, Luca Inverardi, T.T. Le, Nguyen thi Man, Glenn E. Morris, Daniel J. Bogan, Janet Metcalf-Bogan, Joe N. Kornegay
Nature Biotechnology **18**, 615 - 622 (01 Jun 2000)

Degradation of stimulus selectivity of visual cortical cells in senescent rhesus monkeys Matthew T. Schmolesky, Youngchang Wang, Mingliang Pu & Audie G. Leventhal
Nature Neuroscience April 2000 Volume 3 Number 4 pp 384 – 390

Working strokes by single molecules of the kinesin-related microtubule motor ncd Michael J. deCastro, Regis M. Fondecave, Leigh A. Clarke, Christoph F. Schmidt, Russell J. Stewart
Nature Cell Biology **2**, 724 - 729 (01 Oct 2000)

***Choose your target**
Mario R Capecchi
Nature Genetics **26**, 159 - 161 (01 Oct 2000)

Fgf8 is required for outgrowth and patterning of the limbs
Anne M. Moon, Mario R. Capecchi
Nature Genetics **26**, 455 - 459 (01 Dec 2000)

***Can neural stem cells be used as therapeutic vehicles in the treatment of brain tumors?** Mark Noble
Nature Medicine **6**, 369 - 370 (01 Apr 2000)

Tissue-specific consequences of the anti-adenoviral immune response: implications for cardiac transplants Sherri Y. Chan, Kewang Li, Joseph R. Piccotti, Marisa C. Louie, Thomas A. Judge, Laurence A. Turka, Ernst J. Eichwald, D. Keith Bishop
Nature Medicine **5**, 1143 - 1149 (01 Oct 1999)

***Finding the right fold** David P. Goldenberg
Nature Structural Biology **6**, 987 - 990 (01 Nov 1999)

***Intricacies of ribosomal frameshifting** John F. Atkins, Raymond F. Gesteland
Nature Structural Biology **6**, 206 - 207 (01 Mar 1999)

Hybrid hydrogels assembled from synthetic polymers and coiled-coil protein domains CHUN WANG, RUSSELL J. STEWART, J. KOPECEK
Nature **397**, 417 - 420 (1999)

***Drosophila* Unc-13 is essential for synaptic transmission** Bharathi Aravamudan, Tim Fergestad, Warren S. Davis, Chris K. Rodesch & Kendal Broadie
Nature Neuroscience November 1999 Volume 2 Number 11 pp 965 – 971

Structure of a bacterial 30S ribosomal subunit at 5.5 Å resolution WILLIAM M. CLEMONS JR, JOANNA L. C. MAY, BRIAN T. WIMBERLY, JOHN P. MCCUTCHEON, MALCOLM S. CAPEL & V. RAMAKRISHNAN
Nature **400**, 833 - 840 (1999)

Polymerizable Fab' antibody fragments for targeting of anticancer drugs Zheng-Rong Lu, Pavla Kopecková & Jindrich Kopecek
Nature Biotechnology November 1999 Volume 17 Number 11 pp 1101 –1104

Self-assembly of nanoscale cuboctahedra by coordination chemistry BOGDAN OLENYUK, JEFFERY A. WHITEFORD, ANDREAS FECHTENKÖTTER & PETER J. STANG
Nature **398**, 796 - 799 (1999)

Structure of the C-terminal domain of FliG, a component of the rotor in the bacterial flagellar motor SCOTT A. LLOYD, FRANK G. WHITBY, DAVID F. BLAIR & CHRISTOPHER P. HILL
Nature **400**, 472 - 475 (1999)

Mutations in the gene encoding B1 subunit of H⁺-ATPase cause renal tubular acidosis with sensorineural deafness Cremers, Antonio Di Pietro, Barry I. Hoffbrand, Jacek Winiarski, Aysin Bakkaloglu, Seza Ozen, Ruhan Dusunsel, Paul Goodyer, Sally A. Hulton, Doris K. Wu, Anne B. Skvorak, Cynthia C. Morton, Michael J. Cunningham, Vivekanand Jha, Richard P. Lifton
Nature Genetics **21**, 84 - 90 (01 Jan 1999)

Familial advanced sleep-phase syndrome: A short-period circadian rhythm variant in humans Christopher R. Jones, Scott S. Campbell, Stephanie E. Zone, Fred Cooper, Alison DeSano, Patricia J. Murphy, Bryan Jones, Laura Czajkowski, Louis J. Ptacek
Nature Medicine **5**, 1062 - 1065 (01 Sep 1999)

Detection of a cystic fibrosis modifier locus for meconium ileus on human chromosome 19q13 Julian Zielenski, Mary Corey, Richard Rozmahel, Danuta Markiewicz, Isabel Aznarez, Teresa Casals, Sara Larriba, Bernard Mercier, Garry R. Cutting, Alice Krebsova, Milan Macek, Elinor Langfelder-Schwind, Bruce C. Marshall, J. DeCelie-Germana, Mirreille Claustres, Ana Palacio, Jerzy Bal, Aleksandra Nowakowska, Claude Ferec, Xavier Estivill, Peter Durie, Lap-Chee Tsui
Nature Genetics **22**, 128 - 129 (01 Jun 1999)

The dynamin-related GTPase Dnm1 regulates mitochondrial fission in yeast William Bleazard, J. Michael McCaffery, Edward J. King, Susan Bale, Amy Mozdy, Quinton Tieu, Jodi Nunnari, Janet M. Shaw
Nature Cell Biology **1**, 298 - 304 (01 Sep 1999)

UNC-13 is required for synaptic vesicle fusion in *C. elegans* Janet E. Richmond, Warren S. Davis, Erik M. Jorgensen
Nature Neuroscience **2**, 959 - 964 (01 Nov 1999)

One GABA and two acetylcholine receptors function at the *C. elegans* neuromuscular junction Janet E. Richmond, Erik M. Jorgensen
Nature Neuroscience **2**, 791 - 797 (01 Sep 1999)

Mutations in the gene encoding B1 subunit of H⁺-ATPase cause renal tubular acidosis with sensorineural deafness Fiona E. Karet, Karin E. Finberg, Raoul D. Nelson, Ahmet Nayir, Hilal Mocan, Sami A. Sanjad, Juan Rodriguez-Soriano, Fernando Santos, Cor W.R.J. Cremers, Antonio Di Pietro, Barry I. Hoffbrand, Jacek Winiarski, Aysin Bakkaloglu, Seza Ozen, Ruhan Dusunsel, Paul Goodyer, Sally A. Hulton, Doris K. Wu, Anne B. Skvorak, Cynthia C. Morton, Michael J. Cunningham, Vivekanand Jha, Richard P. Lifton
Nature Genetics **21**, 84 - 90 (01 Jan 1999)

Hephaestin, a ceruloplasmin homologue implicated in intestinal iron transport, is defective in the *sla* mouse Christopher D. Vulpe, Yien-Ming Kuo, Therese L. Murphy, Lex Cowley, Candice Askwith, Natasha Libina, Jane Gitschier, Gregory J. Anderson
Nature Genetics **21**, 195 - 199 (01 Feb 1999)

Detection of a cystic fibrosis modifier locus for meconium ileus on human chromosome 19q13 Julian Zielenski, Mary Corey, Richard Rozmahel, Danuta Markiewicz, Isabel Aznarez, Teresa Casals, Sara Larriba, Bernard Mercier, Garry R. Cutting, Alice Krebsova, Milan Macek, Elinor Langfelder-Schwind, Bruce C. Marshall, J. DeCelie-Germana, Mirreille Claustres, Ana Palacio, Jerzy Bal, Aleksandra Nowakowska, Claude Ferec,

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