

	Summary » Full Text » PDF »	FEATURED JOBS	
	UNIVERSITY RESEARCH: Harvard Puts Science Campus on Slow Track	Featured Jobs	
	Eliot Marshall Science 27 February 2009: 1157. Harvard University hit the brakes last week as it was getting ready to build one of the country's largest new academic science centers flagging another possible casualty of the economic downturn.	1. <u>FACULTY</u> <u>POSITION</u> University of	
	Summary » Full Text » PDF » ENERGY RESEARCH: Stimulus Gives DOE Billions for Carbon-Capture Projects	California, Davis	
	Dan Charles Science 27 February 2009: 1158. Industrial-scale attempts to capture CO ₂ from coal-burning power plants or oil refineries and lock it away deep underground are getting an unprecedented boost from the U.S. government's \$787 billion stimulus package.	Davis-CA- United States	
	Summary » Full Text » PDF »	2. <u>Chair</u>	
	EVOLUTION: Creationist Beliefs Persist in Europe Andrew Curry	University College London	
	Science 27 February 2009: 1159. Creationism remains alive and well in Europe, according to researchers gathered here last week for a conference on the state of European science education and European teachers' attitudes toward and knowledge of evolution.	London England	
_	Summary » Full Text » PDF »	3. <u>Executive</u> <u>Director of the</u> North Pacific	
	IMMUNOLOGY: Flu Antibodies Stir New Hope for Treatment, Vaccine Mitch Leslie Science 27 February 2009: 1160.	<u>Re</u>	
	Two independent teams report this week in <u>Science</u> and elsewhere that they've nabbed antibodies that disable multiple varieties of the flu virus. The results might help researchers devise a universal flu vaccine or treatments that quash numerous flu strains, including the dreaded avian influenza.	Alaska SeaLife Center	
	Summary » Full Text » PDF »	Seward-AK- United States	
	SCIENTIFIC WORK FORCE: NSF Restores Data on Minority Ph.D.s Jeffrey Mervis Science 27 February 2009: 1161.	4. <u>Positions</u>	
	Last week, the National Science Foundation (NSF) did a U-turn after getting complaints from its constituentsto the surprise and pleasure of groups working to increase the number of minorities in science and engineering. Summary » Full Text » PDF »	A vollable. In	
	SCIENCEINSIDER: From the Science Policy Blog Science 27 February 2009: 1161. This past week has been a mixed bag for science and its proponents, as detailed in Science's policy blog, ScienceInsider. Summary » Full Text » PDF »		
Random Samples Science 27 February 2009: 1151. Full Text »			
Newsmakers Science 27 February 2009: 1153. Full Text »			
News Focus			
	DRUG RESISTANCE: A 'Wimpy' Flu Strain Mysteriously Turns Scary Martin Enserink Science 27 February 2009: 1162-1163. Researchers are trying to figure out why resistance to the most widely used flu drug has skyrocketedand what that means for pandemic preparedness.		
	Summary » Full Text » PDF » Podcast Interview »		
	DEMOGRAPHY: Making Every Baby Girl Count Mara Hvistendahl Science 27 February 2009: 1164-1166. China is ramping up a program that addresses the sociological factors behind an alarming trend: the country's rising sex ratio at birth. Summary » Full Text » PDF »		
	DEMOGRAPHY: Chinese Men: A Rising Tide of Troublemakers? Constance Holden Science 27 February 2009: 1166.		
	Chinese officials are taking measures to encourage couples to value daughters (see main text), but they don't talk much about the flip side of the problem: men who can't find wives. Summary » Full Text » PDF »		
	NUCLEAR PHYSICS: Will Monju's Resurrection Give Breeders a Second Lease on Life? Dennis Normile Science 27 February 2009: 1167.		
	A long-shuttered fast breeder reactor could be the bridge to a new generation of such reactors, if it can overcome technical problems that have delayed its planned restart. Summary » Full Text » PDF »		
Letters			
Neuroscience and the Soul			

Martha J. Farah and Nancey Murphy Science 27 February 2009: 1168. Full Text » PDF »

An Optimistic Read on Digital Libraries

Jack Fellows Science 27 February 2009: 1168-1169. Full Text » PDF »

Developing Psychomotor Skills the Wii Way Ciaran Scott Hill Science 27 February 2009: 1169. Full Text » PDF »

Explaining the Reasoning-Fact Gap Scott M. Carlson Science 27 February 2009: 1169. Full Text » PDF »

Books et al.

- HISTORY OF SCIENCE: Making German Evolution: Translation and Tragedy Lynn K. Nyhart Science 27 February 2009: 1170-1171. Summary » Full Text » PDF »
- Books Received Science 27 February 2009: 1171. Summary »

Education Forum

ECOLOGY: A National Ecological Network for Research and Education Margaret Lowman, Charlene D'Avanzo, and Carol Brewer Science 27 February 2009: 1172-1173 A proposal links continental-scale ecological data with education projects. Summary » Full Text » PDF » Supporting Online Material »

Perspectives

- ANTHROPOLOGY: Stepping Out Robin Huw Crompton and Todd C. Pataky Science 27 February 2009: 1174-1175. What can fossil footprints reveal about the evolution of the human foot? Summary » Full Text » PDF »
- ATMOSPHERIC SCIENCE: Tipping Pointedly Colder Lee R. Kump Science 27 February 2009: 1175-1176. Data from multiple ocean basins elucidate an ancient climate transition from greenhouse to icehouse. Summary » Full Text » PDF »

ENGINEERING: Harvesting Ocean Wave Energy

Jeff Scruggs and Paul Jacob Science 27 February 2009: 1176-1178. Offshore structures that generate electrical power from ocean waves have been deployed but engineering challenges remain. Summary » Full Text » PDF »

APPLIED PHYSICS: Looking Below the Surface

Andreas J. Heinrich Science 27 February 2009: 1178-1179. Scanning tunneling microscopy can now be used to determine electronic properties of bulk materials. Summary » Full Text » PDF » Supporting Online Material »

PSYCHOLOGY: From Oral to Moral

Paul Rozin, Jonathan Haidt, and Katrina Fincher Science 27 February 2009: 1179-1180. Is moral disgust an elaboration of a food rejection system? Summary » Full Text » PDF »

RETROSPECTIVE: Frederic M. Richards (1925-2009) Thomas A. Steitz Science 27 February 2009: 1181. A pioneer of biochemistry and structural biology overturned conceived wisdom about protein structure.

Summary » Full Text » PDF »

Association Affairs

AAAS News and Notes Science 27 February 2009: 1182. Summary » Full Text » PDF »

Brevia

Predicting Elections: Child's Play!

	John Antonakis and Olaf Dalgas Science 27 February 2009: 1183.		
	Children's choices of a ship's captain reflect adults' choices of a parliamentarian. Abstract » Full Text » PDF » Supporting Online Material » Podcast Interview »		
Reports			
	Inducing a Magnetic Monopole with Topological Surface States Xiao-Liang Qi, Rundong Li, Jiadong Zang, and Shou-Cheng Zhang Science 27 February 2009: 1184-1187. Published online 29 January 2009 [DOI: 10.1126/science.1167747] (in <i>Science</i> Express Reports) A magnetic monopole is theoretically predicted to be induced at the surface of a topological insulator. Abstract » Full Text » PDF » Supporting Online Material »		
	Global Cooling During the Eocene-Oligocene Climate Transition Zhonghui Liu, Mark Pagani, David Zinniker, Robert DeConto, Matthew Huber, Henk Brinkhuis, Sunita R. Shah, R. Mark Leckie, and Ann Pearson Science 27 February 2009: 1187-1190. When a permanent Antarctic ice sheet formed about 34 million years ago, high-latitude surface oceans cooled by about 5°C. Abstract » Full Text » PDF » Supporting Online Material »		
	Seeing the Fermi Surface in Real Space by Nanoscale Electron Focusing Alexander Weismann, Martin Wenderoth, Samir Lounis, Peter Zahn, Norbert Quaas, Rainer G. Ulbrich, Peter H. Dederichs, and Stefan Blügel Science 27 February 2009: 1190-1193. Scanning tunneling microscopy can reveal the bulk Fermi surface of copper when buried cobalt atoms are present. Abstract » Full Text » PDF » Supporting Online Material »		
	Conductance of a Single Conjugated Polymer as a Continuous Function of Its Length Leif Lafferentz, Francisco Ample, Hao Yu, Stefan Hecht, Christian Joachim, and Leonhard Grill Science 27 February 2009: 1193-1197. The conductance of a polyfluorene oligomer is measured as it is pulled off a gold surface. Abstract » Full Text » PDF » Supporting Online Material »		
	Early Hominin Foot Morphology Based on 1.5-Million-Year-Old Footprints from Ileret, Kenya Matthew R. Bennett, John W.K. Harris, Brian G. Richmond, David R. Braun, Emma Mbua, Purity Kiura, Daniel Olago, Mzalendo Kibunjia, Christine Omuombo, Anna K. Behrensmeyer, David Huddart, and Silvia Gonzalez Science 27 February 2009: 1197-1201. Footprints found near Lake Turkana show that human foot shape and gait had been achieved 1.5 million years ago. Abstract » Full Text » PDF » Supporting Online Material »		
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	Mutations in the <i>FUS/TLS</i> Gene on Chromosome 16 Cause Familial Amyotrophic Lateral Sclerosis T. J. Kwiatkowski, Jr., D. A. Bosco, A. L. LeClerc, E. Tamrazian, C. R. Vanderburg, C. Russ, A. Davis, J. Gilchrist, E. J. Kasarskis, T. Munsat, P. Valdmanis, G. A. Rouleau, B. A. Hosler, P. Cortelli, P. J. de Jong, Y. Yoshinaga, J. L. Haines, M. A. Pericak-Vance, J. Yan, N. Ticozzi, T. Siddique, D. McKenna-Yasek, P. C. Sapp, H. R. Horvitz, J. E. Landers, and R. H. Brown, Jr. <i>Science</i> 27 February 2009: 1205-1208. Mutations in an RNA processing protein, the second implicated, suggest that a common mechanism promotes Lou Gehrig's disease. Abstract » Full Text » PDF » Supporting Online Material »		
	Mutations in FUS, an RNA Processing Protein, Cause Familial Amyotrophic Lateral Sclerosis Type 6 Caroline Vance, Boris Rogeli, Tibor Hortobágyi, Kurt J. De Vos, Agnes Lumi Nishimura, Jemeen Sreedharan, Xun Hu, Bradley Smith, Deborah Ruddy, Paul Wright, Jeban Ganesalingam, Kelly L. Williams, Vineeta Tripathi, Safa Al-Saraj, Ammar Al-Chalabi, P. Nigel Leigh, Ian P. Blair, Garth Nicholson, Jackie de Belleroche, Jean-Marc Gallo, Christopher C. Miller, and Christopher E. Shaw Science 27 February 2009: 1208-1211. Mutations in an RNA processing protein, the second implicated, suggest that a common mechanism promotes Lou Gehrig's disease. Abstract » Full Text » PDF » Supporting Online Material »		
	Synchronous Hyperactivity and Intercellular Calcium Waves in Astrocytes in Alzheimer Mice Kishore V. Kuchibhotla, Carli R. Lattarulo, Bradley T. Hyman, and Brian J. Bacskai <i>Science</i> 27 February 2009: 1211-1215. In a mouse model of Alzheimer's disease, astrocytes respond globally to plaque formation. Abstract » Full Text » PDF » Supporting Online Material »		
	Meropenem-Clavulanate Is Effective Against Extensively Drug-Resistant Mycobacterium tuberculosis Jean-Emmanuel Hugonnet, Lee W. Tremblay, Helena I. Boshoff, Clifton E. Barry, 3rd, and John S. Blanchard Science 27 February 2009: 1215-1218. Together, two FDA-approved drugs inhibit the growth of 13 antibiotic-resistant strains of the tuberculosis pathogen. Abstract » Full Text » PDF » Supporting Online Material »		
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H. A. Chapman, D. A. Kim, J. M. Susskind, and A. K. Anderson Science 27 February 2009: 1222-1226.

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Technical Comments

- Comment on "Multipartite Entanglement Among Single Spins in Diamond" Brendon W. Lovett and Simon C. Benjamin Science 27 February 2009: 1169. Abstract » Full Text » PDF »
- Response to Comment on "Multipartite Entanglement Among Single Spins in Diamond" P. Neumann, N. Mizuochi, F. Rempp, P. Hemmer, H. Watanabe, S. Yamasaki, V. Jacques, T. Gaebel, F. Jelezko, and J. Wrachtrup Science 27 February 2009: 1169. Abstract » Full Text » PDF »

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