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Biology News								[ <b>1</b> ] FDAr	news Anno	unces — Ove	rcoming
Medicine News	Lower carbon dioxide emissions from coal-fueled power plantswspossible with technology development							Comparability Issues in Regenerative Medicines Manufacturing: The Latest on Cell and Gene Therapy Regulation Webinar, July 22, 2020			
Biology Products	[Outline] [RSS & Subscription]										
Medicine Products	A more economical technology for a 90 percent reduction of carbon dioxide emissions from coal-fueled power plants is being developed by a chemical engineer and his colleagues at The University of Texas at Austin as part of the TXU Carbon Management Program. TXU Power, a subsidiary of TXU Corp., will donate \$1.8 million to the university in support of Chemical Engineering Professor Gary Rochelle and his research. The donation will cover a six-year program to improve an existing process for capturing carbon dioxide so it uses at least 10 percent less energy. "The work we're doing at The University of Texas at Austin will provide the technical understanding for companies to use this technology in prototype and commercial scale plants,?said Rochelle. "With the current mix of new power plants, by the year 2030,?he said, "about two-thirds of all carbon dioxide amircians will come from existing coal fueled power plants, co it is										
Biology Definition							Molecular Biology Systems draws Dutch				
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AIDS/HIV	critical that we demonstrate technology to address these releases.?						[ <b>0</b> ] The Indoor Lab Launches Safe Space <sup>™</sup> with AI enabled Wipe Away <sup>™</sup> Technology				
Bioinformatics	The funds fron	The funds from TXU Power will be matched by funds from a dozen or more other power companies and process suppliers who will participate in the TXU Carbon Management Program. With these funds, Bochelle, holder of the Carol and Henry Groppe Professorsh									
Biotechnology	companies and Program, With						Management ppe Professorshi	n System for Cleanliness, Distancing and			
Biochemistry	in Chemical Engineering, will optimize the chemical and mechanical features of a carbo					ures of a carbon	Occupancy				
Cancer	capture techno	blogy that uses a l	iquid amine ch	emical.				[0] Security Industry Association Strongly			
Cell Biology	"We are thrille Wistrand seni	"We are thrilled to team with a prestigious university such as UT Austin,?said Richard						Opposes the Facial Recognition and Biometrie			
Developmental Biology	vision to lower carbon dioxide emission rates through development of new technologies					Technology Moratorium Act Citing Immeasurable Benefits of the Proven Technology					
Ecology	and Dr. Rochelle's research will undoubtedly make great strides toward this development.?										
Environment	Rochelle spent	the nast six years	s developing th	ne technol	ay with	funding	from the U.S.				
Evolution	Department of Energy and the Texas Advanced Technology Program. Like its commercia counterparts, his p rocess captures carbon dioxide gas by dissolving it in a solution containing the chemical monoethanolamine or a related amine. The solution is then boil						e its commercial				
Food Technology							ed				
Gene	to produce pur	re carbon dioxide.				-					

Genetics	In Rochelle's campus laboratory, he will work to improve this approach by using a
Genomics	assessing the overall capture process using computer models. Actual tests of the carbon
Health/Medicine	capture process will be run on a small, pilot plant at the J.J. Pickle Research Campus.
Medical Navigation	Rochelle is an expert on reducing industrial emissions. For these studies, he will draw
Abortion	hydrogen sulfide and carbon dioxide from natural gas.
Aches	Rochelle will share one third of the TXU funds with other colleagues in the university's
ADHD	College of Engineering and in the Jackson School of Geosciences. These colleagues will be process works and evaluate an option for storing captured carbon
Addiction	dioxide.
Alcohol	For process verification, Rochelle will work with colleagues at the college's Center for
Allergy	Energy and Environmental Resources at the Pickle Campus. The colleagues, part of the
Alternative Medicine	center's building.
Alzheimer's Dementia	In the college's Department of Petroleum and Geosystems Engineering, the Joint Industry
Anxiety/Stress	Project for Geologic CO2 Storage will investigate how carbon dioxide captured using
Arthritis	Sandstone formations common in Texas and some other states are already being
Autism	considered nationally for this type of storage.
Bacteria	Colleagues at the Jackson School's Bureau of Economic Geology will also study this
Blood	liquid carbon dioxide to improve enhanced oil recovery, an approach already in use by
Bird Flu/Avian Flu	petroleum companies.
Bones	
	Source: <u>University of Texas at Austin</u>
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