

### 5. Are there examples of faculty scholarship associated with their curricular engagement achievements (research studies, conference presentations, pedagogy workshops, publications, etc.)?

<b>AGRICULTURE</b>				
Groninger (Forestry), Walters (PSAS), Atkinson(ASFN), and Ruffner (Forestry)	Agricultural Development for Afghanistan Pre-Deployment Training (ADAPT)	USDA		425,021
Ruffner Forestry	IL Fire Needs assessment	Nature conservancy		6,000
Pense PSAS	Do teachers teach students in the methods that they learn best?	Il State U		5,000
Holzmueller, Groninger Forestry	Narrative urban & community forestry volunteer & partner coordination in IL	IDNR		61,650
Midden, Walters PSAS	Green roof Vegetable Production	IDA		8,447
Apgar ASFN	SIU-TMI Internship program	Maschoff Family Farm		10,000
<b>APPLIED SCIENCE &amp; ARTS</b>				
Anz, C., Ellison, B., and Pinter N. School of Architecture	Greater Olive Branch Area - Recovery and Rebuilding Initiative. Multi-methodological Approaches to Regional Community Development.	Carbondale, IL		
Cole, M. and Anz, C School of Architecture	Leads Carbondale Main Street Façade Improvements – Harbaugh's Café. Architectural Review - Carbondale Main Street (2010) "Illinois Main Street – Back on Track, Case Study – Carbondale Main Street Curb Appeal"	Journal of The National Trust Main Street Center, July/August 2012.		
Davey, Jon School of Architecture	RBF Dome NFP matching grant	City of Carbondale		\$10,000
Lach, Norman School of Architecture	Pilot projects with SIU students for animal shelters	Marion and Murphysboro, Illinois		
McDonald, Shannon School of Architecture	How New Movement Technologies Can Assist with Seamless Access for All TRANSED. 13th International conference on Mobility and Transport for Elderly and Disabled Persons. New Delhi, India			
McDonald, Shannon School of Architecture	The Fuller Dome: Bucky's Personal Residence Preservation Project	Carbondale, IL		
Schwartz, C., McDonald, S., & Morthland, L School of Architecture	Cairo YouthBuild : Employment and Training Administration	US Dept Labor via The Delta Center, Cairo, IL		\$100,942
White, Dave School of Architecture	Graphic Design and Digital Production Artist: Product Packaging Portfolio, Lick Creek Winery	Carbondale, IL		
Sullivan Aviation Technologies	St. Francis CARE Animals in Flight	St. Francis Shelter, Murphysboro, IL		NA

Roth	Info Systems	Case Study: Facility efficiency & liability assessment, Johnson city.	Johnson city, IL	6,453
<b>BUSINESS</b>		<b>Nothing from OSPA or reported by Dean</b>		
<b>EHS</b>		<b>All seem relevant; need to think about how to categorize ... See full college report</b>		
<b>ENGINEERING</b>		<b>Selected all related to coal, and few others that seem relevant</b>		
Chugh, Mondal	MMRE	Sources and wetting characteristics of respirable silica dust in selected interior underground coal mines	USHHS, CDC, Nat'l Inst. Occupational Safety & Health	101,741
Chen	ECE	Next generation digital breast tomosynthesis scanner	U. North Carolina	46,400
Ma	CEE	Low cost, green technology to improve water quality in mining impacted ecosystems: Phase I-Model development and optimization.	US DoInterior	199,946
Chugh, Mondal	MEEP	Wetting behavior and control of quartz & coal dusts from Illinois basin mines	IDCEO, IL Clean Coal Institute	22,000
Mohanty Esmaeeli	MMRE MEEP	A new air-table and flip-flow screen from dry separation of Illinois fine coal.	IDCEO, IL Clean Coal Institute	69,000
Mondal Witowski	MEEP CRC	Direct coal liquefaction via non-catalytic hydrogenation in supercritical CO <sub>2</sub>	IDCEO, IL Clean Coal Institute	51,000
Matias	MEEP	Increasing efficiency of an existing PC boiler using VFDs and improved heat exchangers	IDCEO, IL Clean Coal Institute	57,791
Mondal	MEEP	Hybrid reverse osmosis/electrodialysis process for OHD product extraction	IDCEO, IL Clean Coal Institute	91,000
Spearing	MEEP	Understanding & improving performance of resin grouted bolts	IDCEO, IL Clean Coal Institute	98,472
Chugh, Mondal	MEEP	Development of simulated facility for longwall shearer dust control	IDCEO, IL Clean Coal Institute	95,478
Mohanty	MMRE	Suitability emerging drying techniques for Illinois fine coal dewatering	IDCEO, IL Clean Coal Institute	100,000
Harpalani Liang	MMRE CEE	New route to convert Illinois coal waste to clean energy fuel	IDCEO, IL Clean Coal Institute	120,000
Szary Mohanty	MEEP MMRE	Suitable noise control measures for coal preparation plants in Illinois	IDCEO, IL Clean Coal Institute	98,441
Harpalani	MMRE	Pressure dependent permeability of sanga coal	VICO Industries	150,000
Yoginder	MMRE	Industry-University-Govt cooperative research on field demonstration of dust control strategies for continuous miner sections	Sugarcamp Energy	35,000
Yoginder	MMRE	Geotechnical studies on cores recovered around dam sites	URS Corp	182,900

Harpalani	MMRE	Application of imaging for cleat characterization of coal	BP American Production Co	41,000
<b>LAW</b>		<b>Included in Individual projects - - College-wide data charts: SoL</b>		
<b>LIBERAL ARTS</b>		<b>Long list – see COLA chart</b>		
<b>MCMA</b>				
Aguayo, A..J.		<b>"778 Bullets"</b> : Film about riots in Carbondale in 1970's, includes interviews with members of the community.		
Brooten, L.		<b>Beyond state-centric frameworks: Transversal media and the stateless in the Burmese borderlands.</b> [community engagement in Burma] In <i>Global Communication: New Agendas in Communication</i> . NY: Routledge		
		<b>When commercialism and militarization prevail: Examining community radio in the Philippines.</b> In <i>Community Radio in the 21<sup>st</sup> Century</i> . Oxford: Peter Lang.		
		<b>The role of social networking and citizen journalism in a multicultural nation in transition: A case study of Burma/Myanmar.</b> Presented at Global Fusion International and Intercultural Communication Conference, Ohio University, Athens, Ohio		
Bursell, C. and Lewison, S. A.		<b>A People's Inquiry. Chair: Mark Lafrenz – A People's Inquiry (Monsanto Trial)</b> 11 <sup>th</sup> Annual North American Conference for Critical Animal Studies, Canisius College, Buffalo, New York		
Lemish, D.		<b>Communicating with Children: Principles and Practices to Nurture, Inspire, Excite, Educate and Heal</b> (with B. Lolucki, B, Obergon, R. & Cole, C.) International Communication Association Annual Conference, Phoenix, Arizona		
		Grant to sponsor two MCMA students' participation and research during the Prix Jeunesse International Festival of Quality television for Children. Bavarian Broadcasting Corporation (IZI), Munich, Germany		
Lemish, D., Bansal, N., & Cao, H.		<b>The 33 most discussed finalists of Prix Jeunesse International 2010: Arguments of over 400 experts from 60 countries.</b> IZI		
Lewison, S.A., Kanouse, S., & Compass Collaborators		<b>"The Monsanto Hearings"</b> , screening and presentation. Museum of Contemporary Art, Detroit, Michigan		
Lewison, S.A.		<b>The Monsanto Hearings in Carbondale and Iowa City,</b> Co-PI And And And		
Motyl, H.D.		<b>Cowboy Christmas</b> Louisville International Festival of Film		
Overturf, D.V.		<b>Riverfront Museum Water Street Peoria, Illinois Museum.</b> Hadley Exhibits in Buffalo, NY commissioned Overturf for three pieces to be included in the permanent museum collection, two of which are part of the permanent display... all photos of Southern Illinois. Hadley Exhibits in Buffalo, NY		
		One of 12 artists selected to be featured in the new <b>Good Samaritan Health Center.</b> Artists were selected from submitted proposals in an open competition. Good Samaritan Health Center, Mt. Vernon, Illinois		
		<b>Between Two Rivers.</b> Overturf was contacted by directors to capture video of the historic May, 2011 Mississippi and Ohio Rivers flooding in Alexander County. Supplied approximately 2-3 hours of finished video footage for use in the recently completed film. Directors and Producers: Nick Jordan and Nick Cartwright		

Podber, J. J.	<b>"Regional Radio and Community: John Lair &amp; the Renfro Valley Barn Dance."</b> In <i>Radio in Small Nations: Productions, Programmes, Audiences</i> . Carliff: University of Wales Press.			
	<b>"Community Radio: Media in the 21<sup>st</sup> Century."</b> <i>International Oral History Association, Buenos Aires, Argentina</i>			
Rowley, R. W.	<b>"Time &amp; Narrative in the Discourse of Landscape Imagery"</b> – on-going creative work, which includes the 5-Minute Landscape Project. Installation, Imagining Geographies, Morris Library, March – April 2013.			
Spahr, R.	<b>Toward a Spirituality of Art: Lessons from the Navajo Sand Painting Ceremony and the Sand Mandalas of Tibetan Buddhism.</b> A body of art was then made that builds upon the ideas in the art practices of the Navajo and Buddhists, exploring their use of spirituality, repetition, and meditation when making ephemeral art.			
Thompson, J.I.	<b>The Tragedy of Bataan</b> 30 minute television documentary – broadcast on National PBS.			
<b>SCIENCE</b>				
Baer	Plant Biology	Kanza Prairie	Kansas State University	22,782
Budzban	Math	Math literacy in underserved populations	Algebra Project	106,627
Ferre & Friedman	Geology	Integrated ocean drilling program	Consortium Ocean Leadership	8,904
Battaglia	Plant Biology	Life after Redbay predicting shifts in producer & consumer communities	DoCommerce; NOAA	18,627
Lydy - Fisheries, Brooks-Zoology		Impact urbanization on Chinook salmon, steelhead trout -	UC Berkeley	30,435
Goodson – Chemistry & Talapatra-Physics		REU site for interdisciplinary materials research	NSF	105,000
Pinter	Geology	Geospatial modeling ...flood mitigation ...rural Midwest	NSF	164,732
Nielsen-Coop Wildlife; Baer –PB		REU – Convergence ecology	NSF	113,208
Perez-Alvarado, Lee, Scott, Kohli	Chemistry	ACS Project SEED	Am. Chemical Society	3,750
Scott-Chemistry; Lydy-Fisheries, Perez-Alvarado-Chemistry		ACS Project SEED	Am. Chemical Society	3,000
Lovvorn	Zoology	Nesting ecology of murrelet...Alaska	USDI, USFish & Wildlife	17,864

**MEDICINE**

*Articles/Book Chapters/Presentations/Etc:*

*Cox S, Dolan V, Dela Cruz M. "Weighing in on the Problem – Back to the Clinic", Panel Presentation at the Childhood Obesity in Central Illinois Pediatric Grand Rounds, September 2013, Springfield, IL.*

*Sunderlin J, Harris M, Sanders R, dela Cruz M. "Weighing in on the Problem – Community Resources and Solutions", Panel Presentation at the Childhood Obesity in Central Illinois Pediatric Grand Rounds, September 2013, Springfield, IL.*

*Dela Cruz M and Green R. "Weighing in on the Problem – The Biology of Obesity and Implications for Society" Panel Presentation at the Childhood Obesity in Central Illinois Pediatric Grand Rounds, August 2013, Springfield, IL.*

*Lowry K, Sadowski D, Smith T, and Cleer M. "Active K: Filling a Need for Organized Physical Activity Among Kindergarteners", 2013 National Conference for Family Medicine Residents and Medical Students, August 1-3, 2013, Kansas, City, KS.*

*(Poster), "What's In This For Me? Faculty and Student Rewards from a Free Clinic Activity by the Schools of Medicine and Pharmacy". SIU Interprofessional Education Conference, May 2013.*

*Obert B, Smith T, Sarver J. "Applying Project Management Observation to Patient Care in a Student Run Free Clinic as an Educational Tool", SIU School of Medicine Annual Symposium., April 2013.*

*Sadowski D, Lowry K, Smith T, Jones M. "Teaching Community-Oriented Primary Care Through Medical Student Outreach", SIU School of Medicine Annual Symposium, April 2013.*

*(Poster), Sims J, Wells S, Smith T, Lausen H. "Hats Off to Breast Health: Assessment of the Health Literacy Levels of a Community Health Education Program", SIU School of Medicine Annual Symposium, April 2013.*

*Smith T. "Free Clinic Update", Memorial Medical Center Community Benefit Board, March 2013.*

*Smith T and Lausen H. "Incorporating Nutrition and Physical Activity Into Medical Student Electives Combining Professional Training with Community Interaction", Society of Teachers of Family Medicine, January 2013, San Antonio, TX.*

*Snyder E, Davis E, Smith T. "Service Learning: A Beneficial and Unique Component of Medical Education", SIU School of Medicine Annual Symposium. 1<sup>st</sup> Place Student Presentation Award, April 2012.*

*(Poster) Wells S, Smith T, Carver C. "Hats Off to Health: Using a Patient Education Skit to Teach Medical Students about Breast Health Activities", SIU School of Medicine Annual Symposium, April 2012.*

*(Poster) Henkle B, Kyte N, Smith T. "Who We Treat and What We Learn: A Medical Student-Run Clinic", April 2012. SIU School of Medicine Annual Symposium. 1<sup>st</sup> Place Poster Presentation, April 2012.*

*Lausen H and Smith T. "Physical Activity", SIU School of Medicine, 4<sup>th</sup> year elective curriculum, 2012.*

*Lausen H and Smith T. "Nutrition Basics and Teaching Skills", SIU School of Medicine, 4<sup>th</sup> year elective curriculum, 2012.*

*Lausen H. and Smith T. "Community Health Resources", SIU School of Medicine, 4<sup>th</sup> year elective curriculum, 2012.*

*Research Grants: Lausen H. and Smith T. "Community Engagement and Medical Student Education for Child Health Promotion". Portes Foundation. \$30,000*

## **Research connected with Outreach & Partnerships**

### Articles/Book Chapters/Presentations/Etc:

*Mueller G, Zahnd WE, Gardner K, Heitkamp R, Jenkins WD, Boehler M, Land D, Steward DE. "The 'Mini-Report': Use of CBPR to Create a Practical Tool to Address Lung Cancer Disparities in Rural Communities". In Proceedings of the 6th AACR Conference on the Science of Health Disparities in Racial/Ethnic Minorities and the Medically Underserved, December 6-9, 2013, Atlanta, GA.*

*Zahnd WE, Steward DE, Jenkins WD, Andoh J, Mueller G, Puczynski S. "Barriers to Completion of a Free Colorectal Cancer Screening Program in a Low-Income Population". Abstract in Proceedings of the 6th AACR Conference on the Science of Health Disparities in Racial/Ethnic Minorities and the Medically Underserved, December 6-9, 2013, Atlanta, GA.*

*Steward DE and Jones Cleer M. "Overview of Measures Performed in Head Start Schools by the Springfield Collaborative for Active Child Health". Presentation at the Springfield Urban League, Inc., Head Start Administrators' meeting, November 2013, Springfield, IL.*

*Mueller G, Zahnd W, Steward D. "Status of Cancer in Montgomery County, Illinois: Secondary Data Analysis". Presentation (unpublished) to the Montgomery County Cancer Association. Joint effort of the Simmons Cancer Institute at SIU, the Center for Clinical Research, and the Office of Community Health and Service, November 2013.*

*Cleer M, Smith T, dela Cruz M, Engle K. "Springfield Collaborative for Active Child Health, Phase 3". Presentation to local Springfield Urban League, Inc., Head Start, September, 2013, Springfield, IL.*

*Garner K, Shen T, Steward D. "Cancer in Downstate Illinois 1990-2009. Epidemiologic Report Series 14.02". Illinois Department of Public Health, September 2013, Springfield, IL.*

*Jenkins WD, Steward DE, Mueller GS, Land D, Link-Mullison M. "Collaboration to Reduce Lung Cancer Disparities in the Southern Illinois Delta Region", Illinois Rural Health Association 24<sup>th</sup> Annual Education Conference, August 22, 2013, Effingham, IL.*

*Steward DE and Cleer M, Terri W, Jeff S, Kalea E, Barb G, Margie H, Katie L. "Springfield Collaborative". Presentation to Springfield School District 186 School Board, August 2013, Springfield, IL.*

*Steward DE, Cleer M, and the Springfield Public Schools #186 Wellness Policy Committee, Springfield Public Schools #186. "Wellness Policy, 2013-2014", Accessed Nov 15, 2013 from: <http://www.sps186.org/downloads/table/3577/>*

*Steward DE and Cleer M. "Springfield Collaborative for Active Child Health, Phase 3". Report at the BlueCross Blue Shield of Illinois Grantee Meeting, May 2013, Chicago, IL.*

*Zahnd W, Sarver J, Wesley R. "Richland Memorial Hospital Community Needs Assessment: Secondary Data Analysis". Presentation (unpublished) to Richland Memorial Hospital in partial fulfillment of the hospital's IRS requirement to demonstrate community benefit. Joint effort of the Center for Clinical Research and the Office of External and Health Affairs, May 2013.*

*Velazquez A, Smith T. "Increasing Nutrition Awareness Among Healthcare Professionals and the Community", SIU School of Medicine Annual Symposium, April 2003.*

*Heitkamp R, Newberry M, Sanders K. "Richland Memorial Hospital Focus Group Report for the Purpose of a Community Needs Assessment", Richland Memorial Hospital, Olney, Illinois, April 2013.*

*Smith T, "Medical School Partnership with St. Louis Dairy Council", St. Louis Dairy Council Annual Meeting, St. Louis, MO., March 2013.*

*Smith T, Jones M, delaCruz M., Harris M. "There's No Place Like Home and Head Start: How Parents and Teachers Can Implement Health Behaviors", Illinois Head Start Association Conference, February 2013, Springfield, IL.*

*Jones M, Smith T, Harris M, dela Cruz M, Engle K. "There's No Place Like Home and Head Start. Panel Presentation at the Illinois Head Start Association 2013 IHSA Annual Training Conference and Parent Leadership Conference, February 2013, Springfield, IL.*

*Sadowski D and the Springfield Collaborative for Active Child Health, "Healthy Living for Kids", Parent University Newsletter, Memorial Health Systems. Winter 2013;17(1):6-7.*

*Sanders K, Ramsey A, Heitkamp R, et al. "Lessons Learned from the Implementation of a School-Based Telepsychiatry Enhancement Program for Students with Special Education Needs", Journal of Rural Community Psychology at Marshall University, October 2012.*

*Smith T. "Engaging Health Care Providers in Community Obesity Prevention", Weight of the Nation Conference, May 2012, Washington, D.C.*

*Smith T, Steward DE, Phelps M, Ryherd SJ, Jones M, Harris M, Germann B, Zahnd WE. "Engaging Health Care Providers in Community Obesity Prevention", Panel Presentation at the Centers for Disease Control and Prevention, Weight of the Nation Annual Conference, May 2012, Washington, D.C.*

Steward DE, Smith T, Ryherd SJ, Jones M, Germann B, Harris M, Phelps M, Locke A, Zahnd WE. "Academic-Community-Public Health Collaboration to Prevent Childhood Obesity", Abstract and Poster at the Centers for Disease Control and Prevention, Weight of the Nation Annual Conference, May 2012, Washington, D.C.

Smith T. "Medical Student Partnership with Public Health Department", 6<sup>th</sup> Annual Public Health Update, Springfield, IL., April 2012.

Smith T. "SIU School of Medicine and Radon Outreach Program", Illinois Emergency Management Agency Annual Radon Conference, January 2012.

Puczynski S, Ross T, Kruse J, Mikkelson T, Fiedler D, Wesley R, Ryherd SJ and Price C. "Collaborative Research Teams Build Capacity in a Practice Based Research Network (PBRN)", Abstract and Poster at the National Association of Community Health Centers Community Health Institute Annual Conference, 2012, Orlando, FL.

Steward DE. "School-Based Program Helps Improve Healthy Eating and Activity in Children", Report in BeHealthySpringfield.com, State Journal-Register, March 2012.

Research/Service Grants:

Steward DE. "Collaboration to Reduce Lung Cancer Disparities in Southern Illinois Delta." American Cancer Society of Illinois. \$249,998. 2012-2014.

Steward DE. "Memorial Medical Center Emergency Department–Overuse Study." Memorial Medical Center Foundation. \$73,762. 2012-2013.

Presley D, Sanders K. "Rural Medical Transportation Network." Illinois Department of Transportation. \$408,850. 2012-2013.

Franklin J, Sanders K. "Illinois Delta Network: Illinois CATCH onto Health." U.S. Health Services and Resources Administration. \$428,560. 2012-2013.

Steward DE. "Central Illinois Colorectal Cancer Screening Research Initiative"; American Cancer Society, IL Division. \$150,000. 2012-2014.

Jenkins, W. "Proposal to Characterize Cancer Patient and Family Member Health Literacy and Identify Communication Modifications and Complementary Strategies." Memorial Medical Center Foundation. \$38,151. 2013-2014.

Steward, DE. "Assessment of Academic – Community Partnership to Support School-Based Childhood Health and Wellness - Springfield Collaborative for Active Child Health – Phase 3." Blue Cross Blue Shield of Illinois. \$201,600. 2011-2014.

Steward, DE. "Vince Demuzio Colorectal Cancer Screening Initiative." Illinois Department of Public Health. \$187,500. 2010-2012.

Steward, DE. "Colorectal Screening Initiative". American Cancer Society of Illinois. \$35,000. 2013-2014.

SIU School of Medicine. "Community Transformation Grant – We Choose Health." Illinois Department of Public Health. \$217,584. 2013-2014.

Lausen H and Smith T. "Springfield Collaborative Toolkits for Head Start Classrooms." CVS Caremark Community Grant. \$30,000. 2014-2015.

Smith T. and Cleer M. "Head Start Nutrition/Physical Activity Train the Trainer Toolkit Program". CVS Caremark Community Grant. \$5,000 2013.

Smith T. "Improving Radon Awareness". Illinois Emergency Medical Association. \$10,170. 2013-2016.

Smith T. "Medical Student Education on Radon Grant". Illinois Emergency Medical Association. \$18,215. 2010-2012.