

Undergraduate Scholars Conference 2016
April 29, 2016
Hesburgh Library

	<u>Session</u>	<u>Location</u>	<u>Undergraduate Authors' Names</u>	<u>Title</u>	<u>Author's Major(s)</u>
9:00 - 10:00 am	Statistics & Strategy in National Policy	HL 103	Lake Heckaman	Linking policy to national progress with the help of data tools: A case study of 5 developing nations	Finance and Mathematics
			Teresa Kennedy	"Lo que quieren es un espacio de dignidad": How land shapes notions of identity and dignity within traditional communities	Anthropology and Peace Studies
			Kyle Witzgman	Courtesy of the Red, White, and Voting Blue: How Elections Affect Military Strategy	Mediterranean and Middle East Studies and Political Science
	Gender & Race in Contemporary Society	HL 129	Abigail Bartels	My Strategy Brings All The Boys To The Yard: An analysis of the gender gap and its impact on the swing vote in United States presidential elections	Gender Studies, Political Science, and Theology
			Stephen Freeman	Training Technopreneurs: Potential Solutions for Improving Female Technopreneurs' Self Efficacy in Switzerland	Sociology and Gender Studies
			Evan Hlywa	Video Gamers and the Video Gamed: The Intersection of Race and Gender in Modern Video Gaming	Mathematics and Theology
	Theology & Secularism Through the Ages	HL 222	Samantha Burr	Sharing Stories: The Importance of Fiction for Understanding Mystery in a Secular Age	Classical Civilization and Theology
			Sarah Morris	The Haight & the Hierarchy: Church, City, and Culture in San Francisco, 1967-2008	American Studies and Political Science
			Alexandra Rice	Tracing Shades of Womanist Theology in the Life of Fannie Lou Hamer	Africana Studies and Science Preprofessional Studies
	Engineering and Scientific Applications	HL 248	Steven Brill	Quantifying Uncertainty of Certain Problems	Mechanical Engineering
			Theodore Dilenschneider	Versatile Nanofiltration Membranes with Plug and Play Chemistries	Chemical Engineering
			Joseph Norby	Leveraging Disturbance Characteristics to Improve Disturbance Rejection in Simulated Biped Robot Walking	Mechanical Engineering
				Amy Aldana	Do I Fit In?: School Climate and Identity Development for Minorities

9:00 am - 10:15 am

Poster Session 1

HL North Entrance Gallery

Rachel Ann Bischocho	Food Deserts in NYC: Using Geographic Information Systems to Study Food Security in an Urban Environment	Chinese and Sociology
Marissa Bowman	Sex Moderates the Effect of REM Sleep on Emotional Memory Consolidation	Psychology
Jennifer Coble	Sorption of rare earth elements lanthanum, cerium, and praseodymium to UO[~2~]	Chemical Engineering
Ruth Cooper	Juvenile Incarceration in Ireland and the Community Programs Available to Juvenile Offenders	Neuroscience and Behavior
Margaret Crawford	Analysis of Dublin's Smart City Initiative	Mechanical Engineering
Grace Hills		Psychology
Jennifer Flanagan		Economics
Paulina Eberts	Improving the Capacity of Kenya to Detect Counterfeit Pharmaceutical Drugs	Chemical Engineering
Steven Goicoechea	Social Support, Rank, and Testosterone in Performance Art	Anthropology
Mikyaila Jaramillo	Metastasis on a Chip	Chemical Engineering
Patricia Kay	Europium Sorption to Aluminum (hydr)oxide Mineral Phases	Chemical Engineering
Michael Langer	Creating a New Urban Center in San Antonio, Texas	Architecture and Psychology
Andrew Lasher	Modular UAGV: DISCOVER Lab develops working prototype for modular land-air drone	Mechanical Engineering
Monica McFadden	Characterization of Biofilm Growth and Performance on Membrane Aerated Biofilm Reactor (MABR) Technology	Environmental Engineering
Angela Patel	Global Health Immersion in Ethiopia	Neuroscience and Behavior
Kallie Renfus	Companionship Caregiving and Moral Development in Preschool Children	Psychology
Nicole Thieken	Baboon Group Size and Parasitism	Anthropology and Biological Sciences
Margaret Tucker	Polymer-Templated, Quantum Dot Solar Cells	Civil Engineering
Savannah Washlesky	Predicting Footbridge Dynamic Characteristics in the Conceptual Design Stage from Smart Phone Data of Existing Footbridges	Civil Engineering
Chufang Xing	A New San Francisco Ballet Conservatory	Architecture

10:30 am - 11:30 am	Human Conditions Through the Written Word	HL 103	Sean Costello	The Meaningful but Impersonal Immortality of the Aristotelian Human Soul through the Agent Intellect	Economics and Philosophy	
			Charlie Ducey	Fragmentation and Modernity in David Foster Wallace's "The Pale King"	English	
			Kyle Witzigman	Television's Didactic Princes: Josiah Bartlet and Frank Underwood	Mediterranean and Middle East Studies and Political Science	
	Literature & the Creative Process	HL 129	McKenzie Hightower	A Fabric of Traces: A Deconstruction of "We All Walk Away, But We Do Not Leave"	English	
			Karen Neis	"Abul-Abbas the Elephant": a Research-Based Illustrated Children's Book	Medieval Studies	
			Michael Vaclav	Shakespeare, Middleton, and Ambiguous Witchcraft	English and Philosophy	
	Examining Standardized Educational Policies	HL 222	Savannah Kounelis	Putative Punishment Fuels the School-to-Prison Pipeline for At-Risk Students	Biological Sciences	
			Jacqueline Mack	Graduating High School in Indiana with a Cognitive Disability	Africana Studies and English	
			Zachary Myszka	A Payoff Worth More Than Money: Or, Writing a Meaningful Case Study for Classroom Use	Accountancy and History	
	Minority Perspectives on Race in the U.S.	HL248	Ijeoma Ogbogu	So What's Funny?: Understanding Black Humor on the Web	Anthropology	
			Melissa Pech Figueroa	Addressing Interminority Racism	Computer Science	
	Cycles of Inequality	HL 222A	Ralph Price	Capitalism and the Cycle of Poverty	Finance	
			Shannon Sheehan	Inverse Inequality: How Both Genders Navigate Identity Amidst the Sexual Double Standard of Hook-up Culture in College	Gender Studies and Sociology	
				Shaley Albaugh	Inter-Hospital Project on Improving End-Life-Care in the Michiana Region: A Consultation Research Project	Neuroscience and Behavior
				Katherine Cobian	Cafeteria Assessment for Elementary Schools (CAFES)	Biological Sciences and Sociology
			Christa Costello	The controls on $\delta^{13}C$ values of tundra plants from West Greenland	Civil Engineering	
			Shannon Deasey	The Perception of Childhood Cancer: Do Parents and Children See Eye to Eye?	Sociology	
			Jonathan Fazzino	Crawling Across the Sun: An interview analysis of interstate corrective education	Political Science	

10:30 am - 11:45 am	Poster Session 2	HL North Entrance Gallery	Madeline Hahn	Which Classroom is Best? A Comparative Study of Spanish Classes for Heritage Language Learners	Sociology and Spanish
			Brian Keene	A Computational Tool for the Insertion of Aluminum into Zeolite Frameworks	Chemical Engineering
			Diandra Akemi Alves Kubo	Facial Expression Recognition	Computer Science
			Anne Kuster	Si, Podemos (Yes, We Can): Youth Unemployment and the Dynamics of Spanish Politics	Anthropology and International Economics
			Jewel Malonza	Correlation of X-ray Maximum Body Width Measurements and QMR Fat Mass Measurements	Anthropology
			Abbey Murphy	Body Image Pressures in Males and Females	Sociology
			Emma Nalin	Spiritual Gifts in the Whittier CA Catholic Charismatic Renewal Community	Anthropology and Music
			Laura Paquin	Infrared Thermography Processing of HIFiRE-5 in Quiet Flow	Aerospace Engineering
			Daphne Reynolds	BROTHERS YESTERDAY, BROTHERS TODAY: An Ethnohistory of the Pokagon Band of the Potawatomi and the Three Fires Confederacy	Anthropology
			Priscilla Rumbelha	Cross-Cultural Ethical Case Study	Business and French
			Monica Simon	A Critical Review on the Triggers of Disordered Eating in Binge Eating Disorder	Neuroscience and Behavior
			Edward Smith	Examining the Dimensions of Religiosity	Psychology and Theology
			Wynn Stoxen	Uranium Nanocluster Sorption to Quartz and Hematite	Environmental Engineering
			Rebecca Wornhoff	The role of social networks in shaping medical student empathy in Puebla, Mexico	Anthropology and Pre-Health Studies
			Alexandria Kristensen Cabrera		Science-Business
Bernadette Miramontes	Biological Sciences and Anthropology				
Edna Martinez	Anthropology				
Lauren O'Connell	Anthropology and Pre-Health Studies				
			Wei Lin	Consequences of Teenage Childbearing Reconsidered	Accountancy, Chinese, and Economics

12:00 pm - 1:00 pm	Reevaluating Gendered Stigmas	HL103	Kyle Witzigman	Islam and Pageantry: Great or Tiara-ble?	Mediterranean and Middle East Studies and Political Science
	Media in the Political Realm	HL 129	Raquel Dominguez	Political Satire in HBO's Veep	Film, Television, and Theatre and Political Science
			John Rooney	Where Have All the Manly Journalists Gone?: Gender and Masculinity in Representations of Journalists on American Prestige Television	Political Science and American Studies
			Mary Tull	Media as a Psychological Tool of Colonialism/Imperialism	Psychology
	Territorial Expansions & Assimilation	HL 222	Abby Davis	Bases for Decision: An Examination of Russia's Decision to Annex Crimea in 2014	Political Science
			Diana Neacsu	Citadel of Suceava: Culture Behind Fortress Walls	Architecture
			Bridget Rickard	A Pilot Study: Adult Refugee Education as a Means of Preventing Radicalization	Peace Studies and Philosophy

1:00 pm - 2:00 pm	ULRA Reception	HL Fishbowl	Winners to be announced		
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10:00 AM	Biomechanics Symposium	103 Multidisciplinary Engineering Research Building	Justin Brill	Make no bones without it: Characterization of region-specific behaviors in non-sutural cranial osteoblasts using Bone Morphogenetic Proteins	Biological Sciences
			John Casey	3D Tumor Microenvironment Model for Breast Cancer using PEG and GelMA microwells	Chemical Engineering
			Maura Eveld	Rabbit Model of Osteonecrosis of the Jaw	Mechanical Engineering
			Angela Patel	The Role of Cell-Cell Interactions in the Mechanotransduction of Trabecular Bone Marrow	Neuroscience and Behavior
			Ana Pervan	A Simulation of Bipedal Walking on Inclines and Declines	Mechanical Engineering
			Jesse Suter	Human Bone Intracortical Porosity	Mechanical Engineering
			Mary Alyssa Varsanik	UNDERSTANDING THE ROLE OF INSULIN ON MESENCHYMAL STEM CELL DIFFERENTIATION, IN EX VIVO CELL CULTURE	Chemical Engineering