

# 2018 SPARC Festival

## Details on FIRE Talks, Lightning Talks, Performance Presentations, and Posters

### FIRE Talks

Wednesday 5:00 pm	Tirraney Thurmond	My journey to TEDx
Wednesday 5:20 pm	Dana Sauers	Between the Space of Grace and Gray
Wednesday 5:40 pm	Andy Rosenfeld	From Scripture to Recitation: The Process of Chanting Torah
Thursday 10:00 am	David Karn and Nancy Kimble	Faculty Collaboration – Engagement, Recruitment and Retention
Thursday 10:20 am	Brendan Dooley	Falsification by Atrophy: The Science of Criminology
Thursday 10:40 am	Ernest Solar	The Effects of Mindfulness on Teacher Self-Efficacy with Teacher Candidates
Thursday 1:00 pm	Angy Kallarackal	Learning and Memory in <i>C. elegans</i> : Big lessons from a tiny organism
Thursday 1:20 pm	Isaac Mills	Design of Photoredox Catalysts for Solar Fuels
Thursday 1:40 pm	Dana Ward	Blood vessels on a chip: engineering vascular function

### Thursday Morning Lightning Talks — Economics

Thursday 9–11 am, AC 215

9:00 am	Zachary Shifflett	An Economic Analysis of Bitcoin
9:15 am	Michael Abraha and Jeremy Guzman	The Politics behind Crypto Currencies
9:30 am	Katie Olson	Economic Impact of Government Regulation
9:45 am	John McManimon	20th Century Fascism: A Nuanced Understanding of the Authoritarian Ideology
10:00 am	Jesse Uhlman	Christianity and Western Advancement
10:15 am	Katie Olson	History of Government Engagement in Society
10:30 am	Nathaniel F. Bald	Pathway to Prosperity
10:45 am	Zachary Shifflett	Observing the Interaction Between Monetary and Fiscal Policy

## Thursday Morning Lightning Talks — Computer Science

Thursday, 8:45–11:30 am, Library, 1st Floor

8:45 am	Jiahao Lian	Android App for Firearm Investigation
9:00 am	Robert Jones II	Track Affirmations Web App
9:15 am	Nathanael Saunders	K-Elementary Student Manager
9:30 am	Rachel Meyerhofer	3D Printing a Tool for Understanding the Law of Reflection
9:45 am	Emily Gipe	Inventory App
10:00 am	Briana Thezard	Lightning Talk
10:15 am	Sandra Bilku	Student Worker Tasks Website
10:30 am	Danielle Beauchamp	Alert Notification System
10:45 am	Andrew McDonald	Bitcoin Grapher
11:00 am	Angela Raymond	Interactive GradeBook
11:15 am	Austin McGinty	Typing Practice Program

## Thursday Afternoon Lightning Talks — Computer Science

Thursday, 3:15–4:30 pm, Library, 1st Floor

3:15 pm	Timothy Motherway	Making Specialized Schedules Without The Hassle
3:30 pm	Jess Estibeiro	App development using Android Studio
3:45 pm	Patrick Mastroilli	Learning Services Room Scheduler
4:00 pm	Tyler Glass	Making Volunteering Simpler
4:15 pm	Maynard McAlpin	Sporcle African Quiz

## Thursday Afternoon Lightning Talks — College of Liberal Arts

Thursday, 12:45–4:30 pm, AC 215

12:45 pm	Aimee Solano	Shame on You, Shame on Me
1:00 pm	Hannah Chenard	Michelangelo's Media: A McLuhan Analysis of the Renaissance Artist
1:15 pm	Devon Hutchins	Compete Like a Man, Look Like a Lady
1:30 pm	Abigail Cottrill	A "Forgotten" Community and A Call For Change
1:45 pm	Briana Thezard	Human Trafficking in The U.S

2:15 pm	Katherine Stohlman	“What a Miserable and Painful Business!”: God’s Presence in the Face of Suffering in “The Power and the Glory” and “Silence”
2:30 pm	Timothy Lyons	The View From A Moleskine
2:45 pm	Elizabeth Brennan	Grammar and Writing Instruction in a High School Setting
3:00 pm	Devon Hutchins	Coming Up With a Common Narrative for Holocaust History in Museums
3:15 pm	Aaron Weisel	Reasonable Faithfulness: A Theory for Galileo’s Recantation
3:30 pm	Moira Frederickson	Form and Content: Botticelli and Dante
3:45 pm	Brian Moran	The Great Migration
4:00 pm	Travis Miller and Jiahao Lian	Gun Crime Investigation App
4:15 pm	Belen Rogers	Disposal of the Food We Love: Get Bready for This.

## Wednesday Evening Lightning Talks — Science

Wednesday, 5:45–7:45 pm, Library, 1st Floor

5:45 pm	Rachel Delbo	Designing an Ecological Field Study: The Effect of Intraspecific Competition on <i>Daucus carota</i> Growth
6:00 pm	Hunter Chisholm	Unfolded Protein response in stress treated Vero E6 cells
6:15 pm	Katherine Rollins	C/EBP $\delta$ as a downstream effector on HMGB1 signaling during Neuroinflammation
6:30 pm	Christopher Michael Homick	Validating candidate targets of the <i>C. elegans</i> miRNA mir-124.
6:45 pm	John Owens	Evaluation of vitamin D3 levels in two different brands of milk with LC-UV analysis
7:00 pm	Janai Heise	The Pollination Project
7:15 pm	Mercedes L Nield	Effects of Pollen Donor/ Recipient Distance on Common Milkweed ( <i>Asclepias syriacca</i> ) Seed Pod Production
7:30 pm	Joshua Oklety	Validating Target Genes of let-7 in <i>C. elegans</i> genome

## Thursday Evening Lightning Talks — Science

Thursday, 6–8 pm, Library, 1st Floor

6:00 pm	Bridget Shepherd	Family Matters: Why Sibling Birth Order is Underdeveloped Across Disciplines
6:15 pm	Hayley Maruskin	Detection of Nitrotoluenes in Canine Fur Samples Using GC-MS/PSI-Probe
6:30 pm	Deborah Ukaegbu	Validation of miRNA 125 target sites in the ace-3 and nhr-34 3'UTR regions.
6:45 pm	Oneneobari Lovette Nwogu	The Synthesis and Polymerization of Gold Nanoparticles
7:00 pm	Scott Korte	Green Chemistry: Taking Ether Out of the Lab
7:15 pm	Shannon Zavetz and Gianna Pomykacz	The Esterification of Benzoic Acid on the Micro-scale
7:30 pm	Nataly Cisneros Huacacolqui	The Effects of Density and Morphology on the Phenotypic Characteristics of Plants.
7:45 pm	Meagan Suchewski	Design of electron-rich ligands for zinc reduction photocatalysis

## Lightning/Performance

Thursday, 1:30–3 pm, Library 102

1:30 pm	Lily Magno	White Clouds
2:00 pm	Jeremiah Paige	PAIGE
2:30 pm	Greg Alexander	Muse

## Performance Presentations

Thursday, 2–4 pm, Knott Auditorium

2:00 pm	Mark Carlson and Wind Ensemble	Concert
2:30 pm	Maria Costantino	Playing the Flute Family
3:00 pm	Kieran J. Damitz	Using Math to Create Interest in Music
3:30 pm	Scott Korte and Erick O'Brien	Concertino for Clarinet in E $\flat$ Major, Op. 26

## Poster Session I

Thursday, 10:00–11:30 am, Patriot Hall

Androy Allen	Socioeconomic Effect on Crime
Drew Bonner	How Food Deserts Impact Academic Success
Jameela Buchanan and Aaron Slifer	The Effects of Various Oils on Saponification
Caitlyn E. Campbell	The Social and Cognitive Development of Children from Divorced Parents
Sam Dainton, Rachel Day, Dylan Holden and Erika Lipford	The Effect of Moisture on Locomotion Behavior in <i>Armadillidium vulgare</i>
Quentin Dumerve	Effect of Body Cameras on Police Conduct
Yemesrach Fikre	Beating the stereotypes
Benjamin Fisher	Racial Bias and Lack of Training With Police Incidents
Emily Flaherty	Liberation or Objectification?—The Effects of the Sexual Revolution on Women in Advertisements
Luke Giancola	Education and Crime
Johnsy Gonzales	Eating Disorders
Jonathan A Lubman	Effect of a Investigational New Drug, DMS-612, on a Component of Cellular Metabolism, ATP Citrate Lyase
Alexander Magri	Does one's level of education affect their religiosity?
Andrew Marchesseault	Marxism and Extremism: How Are They Related?
Keiko Martin	Graston Technique
June N. Mugo	Everything is Right in Front of You: A Cognitive Experiment.
Jessica Nines	Contributing Factors Of Criminality
Courtney O'Sullivan	Internship at Carroll County Hospital
Habeeb Obisesan	Effect of drugs on the assessment of nueromuscular junction synapses in <i>C.Elegans</i>
Kayla Pahl	Cultural Shifts...or Shift Rehearsal?
Danielle Poletti	Gender, Age, and Recreational Drug Use
Julia Reilly-Edwards and Michael Guckavan	Exploration into n-nacci Numbers
Brian Sagendorf	Stories of the Combacks
Angela Sampson	The Social Gospel Movements influence on Economic thought, Free Will, and Civil Society
Todd Sampson	Relationship between room size and anxiety
Madeline Q. Smith	The Effects of Nicotine on Muscle Contraction in <i>C. Elegans</i>

Jack Spera	Technology: An Unknown Cause of Sexual Assault on College Campuses
Christopher Van der Kaay	The Effects of Nicotine Withdrawal in Planaraians
Mark Joseph Van Dyke	College Athletes and Violent Crimes
Ryla Vessels	African American Political Pioneers
Drew Wertz and Alec Munns	Effects of Priming on Test Anxiety
Amanda Marie Wright	The Relationship Between Extra-Curricular Activities and Academic Performance

## Poster Session II

Thursday, 1:00–2:30 pm, Patriot Hall

Patrick Aquino	Are NBA Players being paid efficiently?
Elizabeth Arensmeyer and Isabella Sladic	Temperature Priming on Perception of Personality
Julia Baer and Kristina Winkeler	The Effects of Mycorrhizae and Fertilizer on Cucurbita pepo (Yellow Summer Squash)
Le-Roy Battle III	Is the Mount Ready to Talk About Race?
Sierra Bouthner	Semantic Priming
Peyton Courtney	Third Grade Writing Development
Taylor M. Davis	Shining a “Halo” on the Famous: An Investigation of the Halo Effect on Celebrity Impressions
Charles DeHaven	The Effects of Gun Control on Gun Crime
Rayne Fiery	Islamophobia: Hate on the basis of Ignorance
Ash Gogineni	LGR5, A G-protein Coupled Receptor, maybe Induced in an In Vitro Model of Cancer Stem Cells
Joseph Graham	Four Main Correlates to Crime Across the U.S.
Jill Greenwald	What factors have contributed to Turkey’s centralization of political power around president Erdogan?
Sarah Harmon	The Educational Performance of Immigrant Students in American Schools
Abigail Harris	A DISAPPEARING POPULATION How Technological and Societal Influences Have Redefined an Individual’s Birth Outcome
Janai Heise	Endogamy’s Effect on cM values
Kayla Hughes and Taylor Carhart	Font size and Recall Memory
Colby Jews	The effects of mass incarceration on African American families

Jessica Lee, Brianna Rizzo, Janai Price, and Emily Wood	The effect of nicotine on <i>C. elegans</i>
Sophia Lookingbill and Erick O'Brien	Chemistry's Favorite Cookie: NMR Analysis of Sweet Snack Foods
Cameron Lumpkin	Numbers or Words, which do you remember better; A Cognition Experiment
Caitlin McCormack, Alaina Owen, Shurrell Hester and Alyssa Gallagher	Does the Type of Substrate Affect the Moisture Preference of <i>Armadillidium vulgare</i> ?
Noah McElmurry	Can Exercise Effect Grades
Bryan Mulligan	Music as a Distraction
Emily Myers	Modern Day American Perspectives of Clinical Depression
Bradley Owen and Johnathon Johnson	Making Drugs (Again) to Ease the Pain of O Chem
Dean Patrick Coleman	The Impact(s) of Legislation on Latino/a use of Healthcare in the United States
Krysten Peterson	High School Dropouts: What is the Cause?
Molly Stocker	Forensics in Criminal Justice
John Sykes	Rehabilitation reduces Recidivism
Bridget Vaughan, Shea Mc- Farland, Julia Cool and Cindy Abah	The Effects of Nicotine Withdrawal on the Neuromuscular Junction
Jenna West	Is there an Scholarship and Academic pattern within NCAA Division One Athletics?
Timothy J. White	Premarital Sex and Marriage Stability

### Poster Session III

Thursday, 3:00–4:30 pm, Patriot Hall

Keziah Adabrah, Juliette La- coste, Mackenzie Tate, and Shannon Zavetz	Effect of Soil Moisture on Pill Bug Locomotion
Josue Amaya	"Land of the free my ass!"
Joseph F Aukward	How Previous Questions Impact Future Answers
Sydni Bavis	Memory Span
Benjamin Burgoon	"Witches, Spies, and Super-Predators!" - Really?: A Review of Mass Hysteria and Ideological Panic
Anna Caracciolo	Religion and Parent-Child Relationships
Jordan Carpenter	Left for Dead; Health Services Offered in Prisons

Jakob Conrad Hild	“The Rising of the Rose Ocelot”: Creating and Selling a Video Game
Maria Duvall	Blurring the Lines of Criminality
Christopher Evans	Sequence of Bipartite Graphs without Squares
Taliah Francis	Socioeconomic Status and Teenage Pregnancy
Mark Friedly	Disparate Justice
Lauren Gullickson and Thomas Pitts	Serial Position
Kristine Hodgson-Torres	Cognitive Truth Illusion affect on Knowledge
Dylan Holden and Leo Rodriguez-Segura	Development and Reliability of a Novel Arduino Microcontroller-Based Thermal Desorber and Controller for Application to Griffin-Series GC/MS
McKayla C Johnson	Effects of Using Sight Word Intervention Strategies to Aid Students in Building Sentences
Elisabeth Levi	The Impact of Media on the Self Esteem of Young Girls.
Jesse Linsenmeyer	Fitness fighting fatalism
Alexa Louis	Does the level of education influence the likelihood of marriage?
Sharon Pham	Economic Entropy: Connecting Economic Theory to the Second Law of Thermodynamics
Johann Ponce	Opioid Epidemic in America: Pharmaceutical Over-Distribution of Opioids in Society
Julia Reilly-Edwards and Colleen Coleman	Exploration of the Solutions to Non-negative Linear Diophantine Equations
Joseph Remaniak	Relationships vs On-Call Career
Michael Rempe	The Death of Cash
Taylor Remsburg	Mount Women’s Perceptions of Feminism: A Qualitative Study
Amber Roane	Police Brutality in America
Angela Sampson	Hormones and Economic Behavior
Donna M. Szajdek	Serial Position Effect
Paul Welte, Sachi Shah, Ash Gogineni and Chris St. Angelo	Locomotion of <i>Armadillidium vulgare</i> on Wet and Dry Peat Moss Substrates