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# Campus Research Day Program: April 18, 2017

Southern Adventist University

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# CAMPUS RESEARCH DAY



SOUTHERN  
ADVENTIST UNIVERSITY

APRIL 18, 2017

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# Keynote Address

8:00 – 9:15

Lynn Wood Hall Chapel

Welcome .....	Dr. Bob Young, Senior Vice President for Academic Administration Katie McGrath, Campus Research Day Chair
Prayer .....	Dennis Negron, Vice President for Student Services
Introduction of Speaker.....	Deyse Bravo-Rivera, Library Director
Keynote Address.....	Rafael V. Davalos, PhD <i>Irreversible Electroporation for Brain Cancer Treatment</i>

## About Dr. Davalos & His Research

*Irreversible Electroporation (IRE) is a new focal ablation technique we invented to treat patients with unresectable tumors. IRE therapy uses small (1-2mm) surgical probes to deliver low-energy microsecond pulses for approximately 5 minutes. These pulses induce nanoscale defects within the lipid bilayers of the targeted tissue, killing the cells with sub-millimeter resolution at therapy margins. Through treatment planning algorithms developed by our laboratory, the IRE zone can accurately be predicted to optimize treatment outcome and mitigate thermal effects. Treatment planning is complicated by the fact that the field distribution, the greatest single factor controlling the extents of IRE, depends on the electrode configuration, pulse parameters and any tissue heterogeneities. IRE is unique among tissue ablation techniques in affecting only the cell membrane while tissue molecules, everything encompassing collagen structures to proteins, remain intact, thereby making treatment near critical structures such as major blood vessels and nerves possible. We are currently developing IRE for the treatment of Malignant Glioma (MG), and in particular glioblastoma multiforme (GBM), which has a patient median survival of only 15 months. One of the reasons for poor survival is that glioma cells typically infiltrate the brain up to 2cm beyond the volume of the visible tumor. Our preclinical work to date has focused on helping canine patients with naturally occurring MG, which are excellent translational models of human MG. Our results show that IRE treatment can be planned and monitored with techniques used routinely in neurosurgical practice, and administered in a minimally invasive fashion. Results of our ongoing trials have been extremely positive, further supporting that IRE is effective for the treatment of MG, including tumors refractory to surgery, radio- and chemotherapies.*

*Rafael V. Davalos is a Professor in the Department of Biomedical Engineering and Mechanics and the Virginia Tech – Wake Forest University School of Biomedical Engineering and Sciences. He also holds Adjunct Appointments in Mechanical Engineering, the Wake Forest Comprehensive Cancer Center and at the Wake Forest Institute of Regenerative Medicine. Dr. Davalos has 14 issued patents, which have been licensed to 5 companies. He serves on the editorial board for the ASME Journal of Medical Devices and IEEE Transactions on Biomedical Engineering. Dr. Davalos received his BS from Cornell University and his MS and PhD from the University of California, Berkeley. Prior to his career as a faculty member, Davalos was a Principal Member of Technical Staff at Sandia National Laboratories. In 2012, he received the award for the Most Outstanding Dissertation Advisor at Virginia Tech. In 2014, Dr. Davalos received the Virginia Tech ICTAS Innovator Award and the Innovator award at TechNite 2014. His invention for non-thermal ablation was listed in NASA Tech Briefs as one of the top 7 technological breakthroughs of '07 and has been used to treat over 5000 people with cancer. He has over 70 peer-reviewed articles, 8 book chapters, and 8 journal/book covers. Dr. Davalos is the recipient of the 2006 HENAAC award for the Nation's Most Promising Hispanic Engineer, the NSF CAREER, and was named a Wallace H. Coulter Fellow and an ASME Fellow.*

# Session I

9:30 – 10:45

**1A: MSN Capstone: Florida Hospital Hall 1111, Room Capacity 40**

**Moderator: Dr. Barbara James**

**Faculty Evaluators: Dr. Barbara James & Dr. Beth Scott**

Matthew Barry & Megan Lansberry..... *Diabetes Education in Rural Appalachian Communities (20 min)*

*Supervising Professor: Lilly Tryon, DNP, APN, FNP-BC*

Lindsay Bright, Susanna Neely, & Ammie Webb ..... *The Effects of Sleep, Diet, and Work on Nursing Students (30 min)*

*Supervising Professor: Ronda M Christman, PhD, MA, MSN, RN*

Justin Stone..... *Adolescent Marijuana Use and Mental Health (15 min)*

*Supervising Professor: Michael Liedke, DNP, RN, ACNP-BC*

**1B: MSN Capstone: Florida Hospital Hall 1216, Room Capacity 24**

**Moderator: Mrs. Joëlle Wolf**

**Faculty Evaluators: Dr. Bonnie Freeland & Dr. Michael Liedke**

Layla Makiko Suzuki ..... *Cruciferous Vegetables and Their Effects on Cancer Prevention and Treatment (15 min)*

*Supervising Professor: Frances Johnson, DNP, RN, NNP-BC*

Tabetha Ewton & Christina Graham ..... *Reversing Diabetes: Effects of a High Fiber Diet  
and Postprandial Exercise on Hyperglycemia (20 min)*

*Supervising Professor: Lilly Tryon, DNP, APN, FNP-BC*

Warren Burke..... *The Role of the Intestinal Microbiota in Obesity (15 min)*

*Supervising Professor: Holly Gadd PhD, APN, FNP-BC*

Adam Schreuder..... *The Effect of Weight-Bearing Exercise on Osteoporosis in Postmenopausal Women (15 min)*

*Supervising Professor: Lilly Tryon, DNP, APN, FNP-BC*

**1C: MSN Capstone; Studies in Daniel: Florida Hospital Hall 3111, Room Capacity 40**

**Moderator: Ms. Taylor Rupp**

**Faculty Evaluators: Dr. Holly Gadd & Dr. Lilly Tryon**

Antonio Lazcano ..... *Overuse of Sedative-Hypnotics in the Elderly Community (15 min)*

*Supervising Professor: Michael Liedke, DNP, RN, ACNP-BC*

Veronica O'Steen..... *Stress and Critical Care Nurses (15 min)*

*Supervising Professor: Jaclynn Huse, PhD, RN, CNE*

Victoria Seibert..... *Individuals with Disabilities and Emergency Response (15 min)*

*Supervising Professor: Ronda M Christman, PhD, MA, MSN, RN*

Juan Mora..... *An Interpretation of the Elements of Daniel 11 and 12 (15 min)*

*Supervising Professor: Donn Leatherman, PhD*

## Session I Continued

9:30 – 10:45

**1D: MSN Capstone: Florida Hospital Hall 3305, Room Capacity 95**

**Moderator: Dr. Ronda M Christman**

**Faculty Evaluators: Dr. Ronda M Christman & Dr. Jaclynn Huse**

Kristi Argenbright ..... *Acute Respiratory Distress Syndrome (15 min)*

*Supervising Professor: Frances Johnson, DNP, RN, NNP-BC*

Janelle Edmondson, RN, BSN ..... *What Effect Does the Occurrence of Childhood Abuse, Maltreatment, and Adverse Childhood Events Have on the Incidence of Adult Mental Illness? (15 min)*

*Supervising Professor: Michael Liedke, DNP, RN, ACNP-BC*

Rance Smith ..... *Moody Microbes: The Role of the Gut-Brain-Microbiome Axis in Mental Health (15 min)*

*Supervising Professor: Michael Liedke, DNP, RN, ACNP-BC*

Dean Bowen, RN, BSN ..... *Vitamin B12 and Cognitive Decline (15 min)*

*Supervising Professor: Frances Johnson, DNP, RN, NNP-BC*

### **1E: Nursing Research: Foundations of Evidence-Based Practice; Research Design and Statistics II**

**Daniells Hall 203, Room Capacity 19**

**Moderator: Mrs. Lisa Kuhlman**

**Faculty Evaluator: Dr. Adrienne Royo**

Melissa Reyes & Jonathan Sanchez ..... *CBT vs. Antidepressants to Treat Major Depressive Disorder (15 min)*

*Supervising Professor: Bonnie Gnadt, PhD, RN*

McKenzie Smartt & Anna Ferris ..... *Procalcitonin-Guided Antibiotic Therapy to Decrease Antibiotic Prescription Rates in Respiratory Tract Infections (15 min)*

*Supervising Professor: Bonnie Gnadt, PhD, RN*

Shayna McDougle & Matt Porter ..... *Does an Improved Nursing Environment Lead to Higher Employee Retention? (15 min)*

*Supervising Professor: Bonnie Gnadt, PhD, RN*

Joan Mwema ..... *Research Design and Statistics (15 min)*

*Supervising Professor: Ruth S. Williams, PhD*

### **1F: Nursing Research: Foundations of Evidence-Based Practice; Faculty Presentation**

**Daniells Hall 219, Room Capacity 17**

**Moderator: Dr. Genevieve Cottrell**

**Faculty Evaluator: Dr. Keith Snyder**

Alison McBride & Melissa Hill, RN ..... *Look What Exercise Can Do for Diabetes (15 min)*

*Supervising Professor: Bonnie Gnadt, PhD, RN*

Christina Lassila & Stacy Flowers ..... *Alternative Treatment for Chronic Back Pain (15 min)*

*Supervising Professor: Bonnie Gnadt, PhD, RN*

Dr. Keith Snyder ..... *Taphonomy of Dinosaur Bonebeds (30 min)*

*Professor of Biology, Southern Adventist University*

## Session I Continued

9:30 – 10:45

**1G: Contemporary Art; Consumer Behavior: Student Center, Sherri Norton Room, Room Capacity 35**

**Moderator: Mrs. Giselle Hasel**

**Faculty Evaluator: Dr. Tammy Overstreet**

Adam Foggie..... *The Life of Matisse (15 min)*

*Supervising Professor: Giselle Hasel, MFA*

Evan Robinson ..... *Contemporary Art (15 min)*

*Supervising Professor: Giselle Hasel, MFA*

Megan Winegardner ..... *Understanding the Works of Mark Rothko: Immigration and the Influence of Judaism (15 min)*

*Supervising Professor: Giselle Hasel, MFA*

Jared Leader..... *Consumer Behavior (15 min)*

*Supervising Professor: Lisa Kuhlman, MBA*

**1H: Contemporary Art; History and Systems of Psychology: Summerour Hall 1200, Room Capacity 68**

**Moderator: Mrs. Renita Moore**

**Faculty Evaluator: Dr. Laurie Stankavich**

Ruth Bonet-Rivera ..... *Contemporary Art (15 min)*

*Supervising Professor: Giselle Hasel, MFA*

Alberto Montes ..... *Pop Art's Influence in Society (15 min)*

*Supervising Professor: Giselle Hasel, MFA*

Junior Reis ..... *Sebastião Salgado and His Heart-Wrenching Photography (15 min)*

*Supervising Professor: Giselle Hasel, MFA*

Karin Sokolies, Dennys Dominguez, Jeffane Bernardin ..... *Ellen G. White and Psychology:*

*The Harmony Between Jesus and True Therapy (15 min)*

*Supervising Professor: Ruth S. Williams, PhD*

**1I: Studies in Daniel; Faculty Presentation: Summerour Hall 1300, Room Capacity 39**

**Moderator: Dr. Blake Laing**

**Faculty Evaluator: Dr. Rick Norskov**

Thecinie Previlus..... *Historicity of Belshazzar in Daniel 5 (15 min)*

*Supervising Professor: Martin G. Klingbeil, D.Litt*

Jeehoon Jung ..... *Resistance, Compliance, and Respect in Babylon (15 min)*

*Supervising Professor: Martin G. Klingbeil, D.Litt*

Rick Norskov, MD..... *A Biblical Foundation to Discover God's Circle of Calling for Your Life (30 min)*

*Professor of Biology, Southern Adventist University*

## Session I Continued

9:30 – 10:45

### 1J: Consumer Behavior: Summerour Hall 2220, Room Capacity 27

Moderator: Mrs. Jessica Pieretti

Faculty Evaluator: Dr. Sharon Pittman

Izzy Foust & Shaina Rantung..... College Men's Perceptions on Eco-Friendly Behavior (15 min)

Supervising Professor: Lisa Kuhlman, MBA

Alexis LaVertue..... Behavioral Targeting: An Advertiser's Dream, a Consumer's Nightmare (15 min)

Supervising Professor: Lisa Kuhlman, MBA

Erica King & Carine Moura ..... What Makes Consumers Buy Expensive Top Cosmetic Brands? (15 min)

Supervising Professor: Lisa Kuhlman, MBA

Alexa Smart & LaTia Allain..... Effects of Smiling in the Business World (15 min)

Supervising Professor: Lisa Kuhlman, MBA

### 1K: Physiology of Exercise; Writing Literary Nonfiction: McKee Library Lab, Room Capacity 30

Moderator: Mrs. Carol Harrison

Faculty Evaluator: Mr. Robert Ordóñez

Kevin Rojas ..... The Effects of Sports Drinks Hydration Versus Water on Maximal Oxygen Uptake (15 min)

Supervising Professor: Harold Mayer, PhD, MPH

Micah McFarlane..... Physiology of Exercise (15 min)

Supervising Professor: Harold Mayer, PhD, MPH

Joseph Suffriti ..... VO2 Max, Lean Body Mass, and Body Fat Percentile Comparison With  
Different Protein Intake (15 min)

Supervising Professor: Harold Mayer, PhD, MPH

Bethany Thornton..... Black Tears: A Remembrance at the 9/11 Memorial (10 min)

Supervising Professor: Kathy Goddard, MA

Sierra Emilaire..... The Only Exception (10 min)

Supervising Professor: Kathy Goddard, MA

### 1L: Historiography: Hickman Science Center 3115, Room Capacity 24

Moderator: Dr. Rick Halterman

Faculty Evaluator: Dr. Mark Peach

Joe Mixon ..... Education in the South: 1870-1950 (15 min)

Supervising Professor: Mark Peach, PhD

Adam Houghtaling..... Anna Safley Houston and Early Twentieth Century Collecting (15 min)

Supervising Professor: Mark Peach, PhD

Phillip Warfield..... Bessie Smith and Chattanooga Blues/Jazz (15 min)

Supervising Professor: Mark Peach, PhD

Adeline Piotrowski ... War, Reformation, and Antebellum Ink: Southern Authorship and Eliza Frances Andrews (15 min)

Supervising Professor: Mark Peach, PhD

## Session I Continued

9:30 – 10:45

**1M: Human Behavior and the Social Environment: Summerour Hall 2820, Room Capacity 24**

**Moderator: Ms. Janice Cosme**

**Faculty Evaluator: Evie Baker**

Selena Andrade..... *Human Behavior and the Social Environment (15 min)*

*Supervising Professor: Corneliu Rusu, MSW*

Emily Bartlett..... *Human Behavior and the Social Environment (15 min)*

*Supervising Professor: Corneliu Rusu, MSW*

Cassandra Harris..... *In What Ways Could Empty Nest Syndrome Lead to Midlife Crises? (15 min)*

*Supervising Professor: Corneliu Rusu, MSW*

Nancy Marie Sanchez..... *Anxiety and Depression (15 min)*

*Supervising Professor: Corneliu Rusu, MSW*

**1N: Nursing Research: White Oak Room (Thatcher South), Room Capacity 40**

**Moderator: Mr. Donald Martin**

**Faculty Evaluator: Dr. David Nelsen**

Brittany Carmon & Sarita Stovall..... *Living With an Ostomy (15 min)*

*Supervising Professors: Beth Scott, PhD, MSN, RN & Holly Gadd, PhD, APN, FNP-BC*

Katie Campos & Kendra Hunter ..... *Effect of Dietary Patterns on Type 2 Diabetes (15 min)*

*Supervising Professors: Beth Scott, PhD, MSN, RN & Holly Gadd, PhD, APN, FNP-BC*

Greg Evans & Aubry Knight ..... *The Digestive System Microbiome: Relationship With Gluten Digestive Issues (15 min)*

*Supervising Professors: Beth Scott, PhD, MSN, RN & Holly Gadd, PhD, APN, FNP-BC*

Shane Stephens & Amber Smith ..... *The Efficacy of Mesalazine for the Treatment of Ulcerative Colitis  
With and Without the Inclusion of Probiotics (15 min)*

*Supervising Professors: Beth Scott, PhD, MSN, RN & Holly Gadd, PhD, APN, FNP-BC*

**1O: Nursing Research; Guest Presenter: Hickman Science Center 2111, Room Capacity 30**

**Moderator: Mr. Seth Shaffer**

**Faculty Evaluator: Dr. Faith Laughlin**

Chris Woods & Andrew Walden ..... *The Ketogenic Diet: An Effective Treatment for Diabetes (15 min)*

*Supervising Professors: Beth Scott, PhD, MSN, RN & Holly Gadd, PhD, APN, FNP-BC*

Sunshine Bossie & Elizabeth Snyder ..... *Metabolic Syndrome: Can Testosterone  
Replacement Therapy Make a Difference (15 min)*

*Supervising Professors: Beth Scott, PhD, MSN, RN & Holly Gadd, PhD, APN, FNP-BC*

Cynthia Shaffer, RN, NPC, DNPc..... *Increasing Access to Fresh Produce in Food Deserts in Chattanooga (30 min)*

*University of Tennessee, Chattanooga*



## Session I Continued

9:30 – 10:45

**1P: African American Literature: Hickman Science Center 2113, Room Capacity 30**

**Moderator: Glen Carter**

**Faculty Evaluator: Dr. Keely Tary**

Hannah Jobe ..... *Dunbar and McKay: Perspectives on War and Civil Rights (15 min)*  
Supervising Professor: Keely Tary, PhD

Korede Ajumobi..... *The Invisibility of Blackness (15 min)*  
Supervising Professor: Keely Tary, PhD

Jenee Lee..... *Compensating for Color (15 min)*  
Supervising Professor: Keely Tary, PhD

Lauren Waegele..... *Vessels, Idols, and Mothers: Toomer's "Karintha" By Way of Du Bois (15 min)*  
Supervising Professor: Keely Tary, PhD

**1Q: African American Literature; Contemporary Art: Center for Teaching Excellence, Room Capacity 18**

**Moderator: Mrs. Elaine Plemons**

**Faculty Evaluator: Dr. Cynthia Gettys**

Deisha Buffington... *Frances Ellen Watkins Harper's Critique of American Slavery in "Bible Defense of Slavery" (15 min)*  
Supervising Professor: Keely Tary, PhD

Meghan Baranda..... *Originality of the Harlem Renaissance Black Culture (15 min)*  
Supervising Professor: Keely Tary, PhD

Hananiah Straughn..... *Claude McKay's "If We Must Die": From Antiblack Riots to Racial Profiling (15 min)*  
Supervising Professor: Keely Tary, PhD

Shelby De Lisser..... *Mackintosh and His Influence on the Glasgow School of Art (15 min)*  
Supervising Professor: Giselle Hasel, MFA

**1R: Research Design and Statistics II: Hickman Science Center 2405, Room Capacity 30**

**Moderator: Mrs. Shannon Martin**

**Faculty Evaluator: Mrs. Verlyne Star**

Erica Cosgrove..... *Just Horsin' Around or Effective Treatment?  
Attitudes Concerning Equine-Assisted Activities and Therapies (15 min)*  
Supervising Professor: Ruth S. Williams, PhD

Camaren Humphrey-Davis..... *Motivation and Goal Achievement in Individual and Group Settings (15 min)*  
Supervising Professor: Ruth S. Williams, PhD

Rodney Jamil Hairston II..... *Spiritual Identity in Adventist Collegiate Students (15 min)*  
Supervising Professor: Ruth S. Williams, PhD

## Session I Continued

9:30 – 10:45

### 1S: Critical Thinking in Academic Reading & Writing II (Honors)

Hickman Science Center 2413, Room Capacity 15

Moderator: Dr. Sonja Fordham

Faculty Evaluator: Mrs. Kathy Goddard

Jonathan Shephard ..... *The Hand That Feeds: Teacher Burnout* (15 min)

Supervising Professor: Kathy Goddard, MA

Erin Burke ..... *In Search of Jaws: How Climate Change Is Causing Shark Attacks* (15 min)

Supervising Professor: Kathy Goddard, MA

Lianette Chavez ..... *Pleasant College Experience Requires Exercise: Positive  
Effects of Exercise on College Students* (15 min)

Supervising Professor: Kathy Goddard, MA

Sierra Correia ..... *Putting Money Where Your Beliefs Are: Two Paths, One End Goal* (15 min)

Supervising Professor: Kathy Goddard, MA

### 1T: Studies in Daniel, Hackman Hall 204, Seating Capacity 48

Moderator: Mr. Stan Cottrell

Faculty Evaluator: Dr. Martin Klingbeil

Jarrett Troupe ..... *Was Daniel Cursed?* (15 min)

Supervising Professor: Martin G. Klingbeil, DLitt

Rhidge Garcia ..... *An Exegetical Study of Daniel 12:1* (15 min)

Supervising Professor: Martin G. Klingbeil, DLitt

Nawal Habib ..... *An Exegetical Study of Daniel 12:2* (15 min)

Supervising Professor: Martin G. Klingbeil, DLitt

Jaudé Valentine ..... *A Closer Look at Daniel 12:3* (15 min)

Supervising Professor: Martin G. Klingbeil, DLitt

Jaime Barboza ..... *The Destruction of Jerusalem* (15 min)

Supervising Professor: Martin G. Klingbeil, DLitt

## Session II

### 11:00 – 12:15

**2A: MSN Capstone: Florida Hospital Hall 1111, Room Capacity 40**

**Moderator: Dr. Ronda Christman**

**Faculty Evaluators: Dr. Ronda M Christman & Dr. Michael Liedke**

Deanna Hopkins ..... *Mammogram Screening Guidelines: A Woman's Dilemma (15 min)*

*Supervising Professor: Beth Scott, PhD, MSN, RN*

Paige House..... *Use of Probiotics in the Prevention and Management of Patients Who Have Diabetes (15 min)*

*Supervising Professor: Beth Scott, PhD, MSN, RN*

Mary Hubbard ..... *Are Children Less Than Two Years of Age at a Higher Risk for Injury  
in a Forward-Facing Car Seat? (15 min)*

*Supervising Professor: Beth Scott, PhD, MSN, RN*

**2B: MSN Capstone: Florida Hospital Hall 1216, Room Capacity 24**

**Moderator: Dr. Beth Scott**

**Faculty Evaluators: Dr. Beth Scott & Dr. Lilly Tryon**

Tamara Hyatt ..... *Ace Inhibitor Induced Angioedema: Incidence, Onset, and Management With a Focus  
in the African American Population (15 min)*

*Supervising Professor: Holly Gadd, PhD, APN, FNP-BC*

Andrew Marsh..... *Lived Experience of Nursing Graduates Taking the NCLEX-RN Exam (15 min)*

*Supervising Professor: Barbara James, PhD, RN, CNE*

Shannon Beaty .. *Improving Nursing Competence in Caring for Agitated Patients in the Emergency Department (15 min)*

*Supervising Professor: Holly Gadd, PhD, APN, FNP-BC*

**2C: MSN Capstone: Florida Hospital Hall 3111, Room Capacity 40**

**Moderator: Mr. Antonio Lazcano**

**Faculty Evaluators: Dr. Bonnie Freeland & Dr. Barbara James**

Leslie Broschay ..... *A Practical Approach to Ethics for Nurse Practitioners (15 min)*

*Supervising Professor: Michael Liedke, DNP, RN, ACNP-BC*

Taylor Rupp..... *Legalities in the Nurse Practitioner Scope of Practice (15 min)*

*Supervising Professor: Michael Liedke, DNP, RN, ACNP-BC*

Karl Schubertan, BSN, RN, CCRN..... *The Efficacy of Prone Positioning in Treating ARDS (15 min)*

*Supervising Professor: Beth Scott, PhD, MSN, RN*

## Session II Continued

11:00 – 12:15

**2D: MSN Capstone: Florida Hospital Hall 3305, Room Capacity 95**

**Moderator: Dr. Holly Gadd**

**Faculty Evaluators: Dr. Holly Gadd & Dr. Jaclynn Huse**

Elizabeth Moore-Jones.....*Investigation of Factors Influencing Vaccine Hesitancy and Refusal (15 min)*

*Supervising Professor: Bonnie Freeland, DNP, RN, FNP-BC*

Hannah Chong..... *MSN Capstone (15 min)*

*Supervising Professor: Bonnie Freeland, DNP, RN, FNP-BC*

Tara Randall..... *MSN Capstone (15 min)*

*Supervising Professor: Bonnie Freeland, DNP, RN, FNP-BC*

### **2E: Nursing Research: Foundations of Evidence-Based Practice**

**Brock Hall 1007, Room Capacity 30**

**Moderator: Mrs. Emily King**

**Faculty Evaluator: Dr. Adrienne Royo**

Angela Fuller & Jon Deoliveira..... *The Relationship Between Hospitalized Patient Falls and Nursing Staff to Patient Ratios: An Analysis of Available Data (15 min)*

*Supervising Professor: Bonnie Gnadt, PhD, RN*

Reglindis Ratteray & Matthew Smith..... *Effects of Bright Light Therapy on Depression (15 min)*

*Supervising Professor: Bonnie Gnadt, PhD, RN*

Heather Largo & Shelia Green..... *The Effect of Neurofeedback Training on Attention, Hyperactivity, and Impulsiveness in School-aged Children With ADHD (15 min)*

*Supervising Professor: Bonnie Gnadt, PhD, RN*

### **2F: Contemporary Art: Brock Hall 1307, Room Capacity 21**

**Moderator: Mr. Seth Shaffer**

**Faculty Evaluator: Mrs. Ana Barrios**

Hannah Justinen..... *Contemporary Art (15 min)*

*Supervising Professor: Giselle Hasel, MFA*

Caleb Cook..... *Photography: Weaker Artists or Stronger Innovators? (15 min)*

*Supervising Professor: Giselle Hasel, MFA*

Richard Roberts..... *Jackson Pollock and Abstract Expressionism (15 min)*

*Supervising Professor: Giselle Hasel, MFA*

Kacey Layson..... *Matisse's Influence on Modernism and Contemporary Views (15 min)*

*Supervising Professor: Giselle Hasel, MFA*

## Session II Continued

11:00 – 12:15

**2G: Ancient Art History: Brock Hall 1321, Room Capacity 15**

**Moderator: Mrs. Giselle Hasel**

**Faculty Evaluator: Mr. Joe La Com**

Jen Harvey..... *The Art of the Greek Theater (15 min)*

*Supervising Professor: Giselle Hasel, MFA*

Joy Lim..... *Amun Ra vs. God (15 min)*

*Supervising Professor: Giselle Hasel, MFA*

Bethany Beckford..... *Pride and Propaganda: The Colosseum of Rome (15 min)*

*Supervising Professor: Giselle Hasel, MFA*

Sarah M Jordan..... *Nero's Golden Palace (15 min)*

*Supervising Professor: Giselle Hasel, MFA*

**2H: Ancient Art History; Contemporary Art; Human Behavior and the Social Environment**

**Brock Hall 3009, Room Capacity 82**

**Moderator: Mrs. Avery Botticelli**

**Faculty Evaluator: Evie Baker**

Lilly Jorgensen..... *Atlantis the Lost Empire (15 min)*

*Supervising Professor: Giselle Hasel, MFA*

Summer Johnson..... *Gustav Klimt (15 min)*

*Supervising Professor: Giselle Hasel, MFA*

Krista Walker..... *How Sexual Assault Impacts Future Relationships (15 min)*

*Supervising Professor: Corneliu Rusu, MSW*

Sarah Stollenmaier..... *How Does Pet Therapy Affect Those With PTSD? (15 min)*

*Supervising Professor: Corneliu Rusu, MSW*

**2I: Consumer Behavior: Hickman Science Center 2111, Room Capacity 30**

**Moderator: Dr. Sonja Fordham**

**Faculty Evaluator: Mrs. Verlyne Starr**

Karly Peckham & Jolene Marie Clayburn..... *Taking a Bite Out of Consumerism:*

*Has Technology Changed How We Consume? (15 min)*

*Supervising Professor: Lisa Kuhlman, MBA*

Courtney Burtnett & Melissa Peterson..... *Social Media and Consumer Behavior (15 min)*

*Supervising Professor: Lisa Kuhlman, MBA*

Addison Clark, Stephen Fujimoto, Rich Abernathy..... *Technology and Modern Consumerism (15 min)*

*Supervising Professor: Lisa Kuhlman, MBA*

Josiah Gallimore & Camaren Humphrey-Davis..... *Nostalgia Marketing (15 min)*

*Supervising Professor: Lisa Kuhlman, MBA*

## Session II Continued

11:00 – 12:15

### 2J: Consumer Behavior; Studies in Daniel; Faculty Presentation

Daniells Hall 114 Room Capacity 45

Moderator: Mr. Lucas Patterson

Faculty Evaluator: Dr. Cynthia Gettys

Vonasha Powell..... *Worship in the Book of Daniel* (15 min)  
Supervising Professor: Martin G. Klingbeil, D.Litt.

Victor DeRose & Jordan Layao ..... *Shaping Our Options: The Psychology of Logo Design* (15 min)  
Supervising Professor: Lisa Kuhlman, MBA

Michael E. Cafferky, DBA, MDiv ..... *A Mark-up Method for Cost-Volume-Profit Analysis* (30 min)  
Professor of Business, Southern Adventist University

### 2K: Physiology of Exercise: Daniells Hall 203, Room Capacity 21

Moderator: Mr. Donald Martin

Faculty Evaluator: Dr. Chris Stewart

Eunice Choi..... *The Influence of Vitamin D Deficiency and Anemia on Exercise* (15 min)  
Supervising Professor: Harold Mayer, PhD, MPH

Julian Armstrong ..... *Physiology of Exercise* (15 min)  
Supervising Professor: Harold Mayer, PhD, MPH

Kailey Wales ..... *Pre-Exercise Caffeine Consumption and Its Effect on VO<sub>2</sub>* (15 min)  
Supervising Professor: Harold Mayer, PhD, MPH

Steve She..... *Comparison of the Impact of High Intensity Interval Training  
and Moderate Intensity Interval Training on the Body* (15 min)  
Supervising Professor: Harold Mayer, PhD, MPH

### 2L: Historiography: Daniells Hall 219, Room Capacity 16

Moderator: Dr. Genevieve Cottrell

Faculty Evaluator: Mr. Mark Comberiate

Marina Knott..... *Handicrafts From the Southern Highlands* (15 min)  
Supervising Professor: Mark Peach, PhD

Courtney Calvert ..... *Wilma Dykeman: Homegrown Appalachian Environmentalism* (15 min)  
Supervising Professor: Mark Peach, PhD

Abigail Jansen..... *Penelope Johnson Allen: Making History by Saving History* (15 min)  
Supervising Professor: Mark Peach, PhD

Mitchell Hall..... *Women of Southern Appalachia* (15 min)  
Supervising Professor: Mark Peach, PhD

## Session II Continued

11:00 – 12:15

**2M: Historiography; Biology Senior Thesis: Daniells Hall 220, Room Capacity 84**

**Moderator: Mr. Greg Merchant**

**Faculty Evaluator: Mrs. Laurie Stankavich**

Kyle Harris..... *Marylin Lloyd and Her Impact on Tennessee* (15 min)  
Supervising Professor: Mark Peach, PhD

Guereiddy Vendome..... *Historiography* (15 min)  
Supervising Professor: Mark Peach, PhD

Jordan S. Adams..... *Jim Crow's Racial-Gender Inequality* (15 min)  
Supervising Professor: Mark Peach, PhD

Marselinny Mawuntu..... *Patient Distress Levels and Correlated Factors of CREATION Health  
at the Harris Radiation Therapy Center of Gordon Hospital* (15 min)  
Supervising Professor: Keith Snyder, PhD

**2N: Human Behavior and the Social Environment: Hackman Hall 115, Room Capacity 30**

**Moderator: Dr. Annette Heck**

**Faculty Evaluator: Dr. Annette Heck**

Michelle Quintero..... *How Does Transition Impact the Psychological  
Wellbeing of People with Gender Dysphoria?* (15 min)  
Supervising Professor: Corneliu Rusu, MSW

Cassie Keller..... *Should Mentally Disabled Individuals Be Subjected to the Death Penalty?* (15 min)  
Supervising Professor: Corneliu Rusu, MSW

Annissa Monteso ..... *What Are the Main Challenges Faced by the Deaf and Hard of Hearing Communities?* (15 min)  
Supervising Professor: Corneliu Rusu, MSW

Darcee Christensen..... *How Are the Families of Parents With Narcissistic Personality Disorder Impacted?* (15 min)  
Supervising Professor: Corneliu Rusu, MSW

**2O: Nursing Research: McKee Library Presentation Lab, Room Capacity 30**

**Moderator: Mrs. Carol Harrison**

**Faculty Evaluator: Mrs. Beth Snyder**

Tammy Lloyd & Angela Munyan Chin..... *HPV Vaccine: Efficacy and Barriers* (15 min)  
Supervising Professors: Beth Scott, PhD, MSN, RN & Holly Gadd, PhD, APN, FNP-BC

Tara Ledford & Sharlotte Manley ..... *Translational Evidence Based Paper on Iodine Deficiency  
and the Relationship to the Thyroid* (15 min)  
Supervising Professors: Beth Scott, PhD, MSN, RN & Holly Gadd, PhD, APN, FNP-BC

Katherine Bennett & Tera Recchia..... *The Effects of Anticholinergic Drug Use on Cognitive Function* (15 min)  
Supervising Professors: Beth Scott, PhD, MSN, RN & Holly Gadd, PhD, APN, FNP-BC

Dawn Slatton & Donita Jensen..... *The Use of a Prophylactic Macrolide in Reducing COPD Exacerbations* (15 min)  
Supervising Professors: Beth Scott, PhD, MSN, RN & Holly Gadd, PhD, APN, FNP-BC

## Session II Continued

11:00 – 12:15

**2P: Art Thesis Project; Studies in Milton; Intercultural Communication; Research Design and Statistics II**  
Hulsey Wellness Center 3135, Room Capacity 165

**Moderator: Mrs. Leslie Evenson**

**Faculty Evaluator: Dr. Polina Kadatska**

Rosy Cabrera Raga ..... Time Frames (15 min)

Supervising Professor: Marc Boyson, MFA

Gavin Finch ..... Freedom and the Split System: How Milton Defines Freedom in a Fallen World (15 min)

Supervising Professor: Rachel Byrd, PhD

Kara Wait & Hope Behnke ..... The Culture Found Within the Coffee House Community (15 min)

Supervising Professor: Linda Potter Crumley, PhD

Hannah Odenthal ..... The Relationship Between Ambivalent Sexism and  
Adventist Religiosity in College Students (15 min)

Supervising Professor: Ruth S. Williams, PhD

**2Q: History and Systems of Psychology; Directed Study in Psychology; Research and Program Evaluation**  
Hackman Hall 215, Room Capacity 116

**Moderator: Mr. Stan Cottrell**

**Faculty Evaluator: Dr. Faith Laughlin**

William Garret Bergherm, Rebecca Myshrall, Kavin Canas ..... History and Systems of Psychology (15 min)

Supervising Professor: Ruth S. Williams, PhD

Ann Lee, Hayeon Kang, Marielsy Pimentel ..... History and Systems of Psychology (15 min)

Supervising Professor: Ruth S. Williams, PhD

Alicia Shanti James ..... The Mind-Soul Connection: Personality, Religiosity, and Spiritual Experience (15 min)

Supervising Professor: Ruth S. Williams, PhD

Emu Aragon ..... Spiritual and Sexual Identity Development of Sexual Minority Seventh-day Adventists (15 min)

Supervising Professor: Tron Wilder, PhD

**2R: Politics of Text and Context; Social Welfare Issues & Policy; Faculty Presentation**

Miller Hall 205, Room Capacity 23

**Moderator: Dr. Linda Tym**

**Faculty Evaluator: Dr. Alan Parker**

Lauren Kim ..... Mental Health and Epilepsy as Representations of the Female Point of View  
in Anna Kavan's Asylum Piece and Ray Robinson's Electricity (15 min)

Supervising Professor: Linda Tym, PhD

Susanna King ..... Substance Abuse Treatment to Inmates (15 min)

Supervising Professor: Kristie Wilder, JD, LMSW

Dr. Alan Parker ..... The Effectiveness of Adventist Personal and Public Evangelism Phase II (30 min)

Professor of Religion, Southern Adventist University



## Session II Continued

11:00 – 12:15

### 2S: Critical Thinking in Academic Reading & Writing II (Honors)

Hulsey Wellness Center 3145, Room Capacity 49

Moderator: Dr. Julie Hyde

Faculty Evaluator: Mrs. Kathy Goddard

Claire Brewer.....Polygamy: A Second Look (15 min)

Supervising Professor: Kathy Goddard, MA

Madeline B. Uhrik .....Opening the Mind of Dementia: Music Therapy Minimizes Effects of Dementia (15 min)

Supervising Professor: Kathy Goddard, MA

Saiuri Felix.....Social Media, Social Dilemma - Negative Effects of Social Media on Young People (15 min)

Supervising Professor: Kathy Goddard, MA

Sierra Garrett .....Exercise and Academic Success (15 min)

Supervising Professor: Kathy Goddard, MA

### 2T: Research Design and Statistics II; Critical Thinking in Academic Reading & Writing II (Honors)

Hulsey Wellness Center 3149, Room Capacity 49

Moderator: Mrs. Becky Djernes

Faculty Evaluator: Dr. Keely Tary

Tracy Ritter .....Gender Differences in Exercise Among Emerging Adults (15 min)

Supervising Professor: Ruth S. Williams, PhD

Joel Negritto .....The Causes and Effects of Indecisiveness (15 min)

Supervising Professor: Kathy Goddard, MA

Laura Garcia .....Art in Education: Is It Worth It? (15 min)

Supervising Professor: Kathy Goddard, MA

Mark Gálvez .....The Medicaid Crisis and Hope (15 min)

Supervising Professor: Kathy Goddard, MA

### 2U: Faculty Presentations: Summerour 1200, Room Capacity 68

Moderator: Mrs. Ashley Fox

David George, MFA, Richard Morgan, David Mancao, Samson Napod.....A Comprehensive Study  
of Graduates of Southern's Film Program 2000-Present (30 min)

Dr. Bennett M. Judkins .....Training Pastors in Leadership: An Assessment (30 min)  
Professor of Social Work, Southern Adventist University

## Poster Session

12:30 – 1:30

### Iles P.E. Center

Facilitators: Mrs. Jessica Spears & Dr. Pamela Jansen

Nursing Research Methods, Tables 35, 36, 37

Supervising Professor: Ronda M Christman, PhD, MA, MSN, RN

- John Lytle & Melissa Pujols.....*Effects of Nursing Empowerment on Job Satisfaction*
- Melissa Martz & Eric Collson..... *The Treatment of Traumatic Brain Injuries in the Pediatric Population*
- Serena Wright & Zachary Pauls ..... *The Problem of Medication Errors*
- Victoria West & Rebekah Schlotterbeck.....*Nurse-Patient Ratios and Effects on Patient Outcomes*
- Priscilla Sopandi, Kartika Sianipar, Christian Lazo.....*Nursing Shortage and Patient Care in Nursing Homes*
- Erika Sosa & Kimberly Barone.....*Nursing Research Methods*
- Aizik Landaverde & Jill Romero... *The Relationship Between Nurse Residency Programs and New Graduate Retention*
- Hannah Wynn & Shaun Johnson..... *Communication Barriers: An In Depth Look at the Gap  
Between Deaf Individuals and Healthcare Professionals*
- Mariah Erb & Dianazol Huey..... *Nurse Perceptions of Care for Patients With  
Psychological Co-morbidities in the Acute Care Setting*
- Meghan Baranda..... *Nurse Burnout and the Effects of Coping and Stress Management*

#### Faculty & Guest Presentation, Table 8

- LaShawn Horton, MSN, RN, PhDc..... *The Lived Experiences of African American Women  
with Postpartum Depression:A Critical Hermeneutic Study*  
Professor of Nursing, Southern Adventist University
- Cynthia Shaffer, RN, NP-C, DNPc..... *Increasing Access to Fresh Produce in Food Deserts in Chattanooga  
University of Tennessee, Chattanooga*

#### Computing Senior Project, Table 38

Supervising Professors: Robert Ordóñez, MS; Michael Dant, MS

- Stephen Jenks, Stephen Wade, Eric Johnson, Justin Rhea..... *Where Is My Professor!?*
- Tim Davis & Jason MacLafferty .....*QuestionTracker*
- Sean Bryant, Brad Romero, Lonny Byrd .....*Beethoven's Particle Accelerator: Playing a Glockenspiel  
With BBs and Electromagnets*

# Poster Session Continued

12:30 – 1:30

Ancient Art History, Table 17

Supervising Professor: Giselle Hasel, MFA

Camille Morrow ..... *Various Influences Which Inspired the Design for the Library of Celsus in Ephesus*  
Shaina Ahles..... *The Parthenon*  
Michael Mallory ..... *Osiris, God of the Underworld*  
Dailin Portelles ..... *Ancient Art History*

Contemporary Art, Tables 1, 10, 11

Supervising Professor: Giselle Hasel, MFA

Christian Soeharsono ..... *Making Nature Into Art*  
Claude Delille..... *Henry Ossawa Tanner: Defying Racial and Religious Standards to Portray His Own Art*  
Jihye Lee ..... *Religion Is Important in Artwork*  
Dalton Day ..... *Art and Politics: Jacques Louis David*

Typography II, Back Wall

Supervising Professor: Joe La Com, MFA

Dahiana Fernandez..... *High End Brands*  
Brittany S Hoffman..... *Liquid Fire: Neon as Type*  
Kelsey Starks..... *Apple's Typography Evolution*  
Anthony Gonzalez ..... *Typography Of Heroes*  
Danielle Hughes ..... *Type of Water*  
Joaquin Xavi Hernandez ..... *Adidas vs Nike vs Under Armour*  
Maeve Chandler ..... *London and New York Underground: The History of Typography*  
Sebastian Arredondo..... *Typography in Pre-Teen Television*  
Daniela Ursulenko..... *Lifestyle & Type*  
Anna Plank ..... *Shredding Through Typography*  
Bruno Benna ..... *Retro Gaming Font History*  
Caleb Cook..... *My Type of Ride: How Typography Distinguishes Premium Automotive Brands From Their Parent Companies*  
Sarah Peoples..... *The Characters of Disney*

# Poster Session Continued

12:30 – 1:30

Physiology of Exercise, Tables 25, 26, 27, 28, 32, 33, 34, 35

Supervising Professor: Harold Mayer, PhD, MPH

- Bradley Russell..... *How Does Sleep Deprivation Affect Individual's VO2 Max?*
- Michael Cropley ..... *Strength Training: The Physical Manifestation*
- Samuel Menendez..... *How System Responds to Creatine*
- Kevin Hughes ..... *Appropriate Training Can Significantly Increase Oxygen Consumption*
- Taylor Hyde..... *The Effects of a Pre-Workout Supplement Containing Caffeine  
on Aerobic Endurance and Anaerobic Power*
- Allyson Stock ..... *The Effects of Over-Hydration on VO2*
- Kyle Beisiegel..... *The Effects of Caffeine on the Body During Exercise*
- Alexandra Marie Alvarez..... *The Effects of Dehydration on VO2*
- Makayla Sanchez..... *The Effects of Running Versus Bicycling Interval Training on VO2*
- Marrina Bachini..... *Effect of Interval Training on VO2 Max*
- Lexie Crone ..... *How Biking and Interval Training Effect VO2Max*
- Luis Andrade..... *Can Moderate Exercise Improve VO2 Max?*
- Cassie White ..... *Cycling I.T. vs Running I.T.*
- Icha Ibarra ..... *The Effects of Running Compared With Cycling*
- Marceline Ndahayo ..... *The Effect of Music on Exercise*
- Holly Smith ..... *The Effects of Intermittent Versus Continuous Exercise on VO2 Max*
- Seth Ruhling..... *Physiology of Exercise*
- Ezra Kim..... *Effects of Upper Body and Lower Body Training on the Transfer of VO2*
- Jonathan Castro ..... *The Effects of Visual Stimulation on VO2 Levels*
- Dalles Carr..... *The Effects of Creatine Supplementation on VO2 and Strength Training*
- Kevin Carty..... *Caffeine and Maximal Oxygen Consumption*
- Maya Swartz ..... *The Effect of Jump Rope Training on Maximal Oxygen Uptake*
- Taylor Odenthal..... *Can Specific Kettlebell Training Improve Aerobic Capacity?*
- Samantha Landau..... *Resistance Training and Cardiovascular Health*
- Samuel Duany..... *Effects of Resistant Strength and Speed Training on Overall Performance*
- Kelly Courtney..... *How Cycling and Walking Affect Body Fat Percentage Differently*
- Christian Mariquit..... *The Effects of Sports on VO2 Max*
- Tatiana King..... *Use It or Lose It: Study on the Exercise Reversibility Principle*
- Alijah White..... *Effects of Hydration During Exercise Training*
- Maggie Pickens ..... *Strength Training Versus High Intensity Interval Training: A Comparative VO2 Max Study*

# Poster Session Continued

12:30 – 1:30

Directed Study in Psychology, Table 20  
Supervising Professor: Ruth Williams, PhD

Chris Caldwell..... Lets Talk About Sex: Factors Associated With College Students Practices

Marketing Research, Tables 23, 24  
Supervising Professor: Luceta McRoy, PhD

Caleb Johnson-Siaw ..... Marketing Research for the Perception of Premarital Counseling

Jeffrey Pichardo..... Comcast's Customer Service

Michael Steinke..... Lockouts in the NBA

Natalie Tielves..... The Relationship Between Natural and Organic Food and Religion

LaTia Allain ..... Marketing Challenges in the Glamping Industry

Alexa Smart..... Studying Abroad Advantages in Entry Level Jobs

Caitlyn Bartlett ..... Millennials' Thoughts on "Made in America"

Josiah Gallimore ..... The Effectiveness of Nostalgic Marketing in Millennials

History and Systems of Psychology, Tables 12, 19, 20  
Supervising Professor: Ruth S. Williams, PhD

Karin Sokolies, Sephora Alvarez, Dennys Dominguez, Jeffane Bernardin..... Ellen G. White and Psychology:  
The Harmony Between Jesus and True Therapy

Veronica Carballo, Chris Caldwell, Beverly Ditta ..... Connecting the Dots: Psychology and the Bible

Marielsy Pimentel, Hayeon Kang, Ann Lee..... Pray the Gay Away: Psychology and the SDA Church

Kevin Canas, Rebecca Myshrall, William Bergherm..... SDA and Higher Education

Social Welfare Issues & Policy, Table 16  
Supervising Professor: Kristie Wilder, JD, LMSW

Carolita Claus, Elizabeth Helton, Stephanie Hairston-Sanders, Jeremy Forberg..... Educational Equity:  
Investing in a Fair and Safe Educational System

Samuel Hamby, Teanna Taka, Stephanie Supriyadi ..... The Equality Act: The Need for Further  
Inclusivity in the Face of Discrimination

Ciara Saranto, Candace McFarlane, Takamar Comete, Rita Lee..... The Power of W.E.

SOCW 533 Class ..... Social Welfare Issues & Policy

# Poster Session Continued

12:30 – 1:30

Chemistry Seminar, Tables 1, 2, 3, 4, 5, 6, 7, 8, 11

Supervising Professor: Mitch Menzmer, PhD

Charles H Zimmerman.....	Explosive Effects of RDX and TNT
Alex Pinkard.....	The Role of Boron in Cancer Therapy
Micah Chaiprakorb.....	The True Color of Food
Herman Odens Jr. ....	Exploration of Current Central Nervous System Drugs and Chemical Functions
Scot Brunner.....	Chemistry of Blacksmithing
Alaina L. Stephenson.....	Addiction in Chemistry: Nicotine and Caffeine and Their Combined Effects in the Body and Withdrawal Association
Justin DeLuca.....	Alternative Types of Biodiesel
Lauren Kim.....	Selective Serotonin Reuptake Inhibitors
Raymond Sujo.....	Chemistry Seminar
Alysia Zoe-Blanche Wright.....	Impact of Prescribed Drugs on Neuron Activity
James Larson .....	Photoluminescence of Transition Metals
Dalton Day .....	Chemistry of Adhesives
Sarah Pak.....	Desalination
Brandon Williams .....	Synthesis of Analogs of Diltiazem/Clentiazem
Melissa Aika Nishino .....	Chemical Peels and Acids
Melanie Roman.....	Understanding Cardiac Muscle Metabolism
Ethan Park.....	Quasi Crystals
Jihye Lee .....	Chemistry in Cosmetic Products
Jillian Cheever .....	Batrachotoxin: The Deadly Skin Secretion
Christopher Celis .....	Protein Supplements
Jordan Leader .....	Anesthesia Interactions With the Body
Joshua Heldzinger .....	Aspartame: A Brief Review of Research
Jonathan C. Mancao.....	The Effects of Thermal Processing on Nutritional Value and Flavor
Mariana Gonzalez.....	The Effects of Omega-3 on the Brain
Elaine David .....	Chemistry of Fireworks

# Poster Session Continued

12:30 – 1:30

Animal Histology, Tables 6, 8, 9, 12, 13, 14, 15, 18

Supervising Professor: Rick Norskov, MD

Aaron Keiser.....	<i>Leukoplakia and Its Association With Cancer</i>
Janelle A. Gonzalez .....	<i>Dental Caries</i>
Justin Im.....	<i>Atherosclerosis</i>
Miki Alyson Tsuchiya.....	<i>Atherosclerosis vs Arteriosclerosis: What Is the Difference?</i>
Melissa Aika Nishino .....	<i>Basal Carcinoma</i>
Suzie Lee .....	<i>Gingivitis</i>
Jonathan A. Tangunan.....	<i>Histological Analysis of Oral Squamous Cell Carcinoma</i>
Krista Min .....	<i>A Closer Look at Alzheimer's Disease</i>
Herman Odens Jr. ....	<i>Pathological Examination of Psoriasis and Sources of Abnormalities</i>
Gustavo Moretta .....	<i>Striking Similarities Between Xerostomia and Common Prescription Drugs</i>
Michael Baranda.....	<i>The Comparison Between Non-Affected and Affected Nervous Tissue in Patients With Cauda Equina Syndrome</i>
Marselinny Mawuntu.....	<i>Histological Differences of Normal and Breast Cancer Tissue</i>
Stephen Otanes.....	<i>Aphthous Stomatitis: Pathophysiological Analysis of Canker Sores</i>
Lindsey Nakashima .....	<i>Osteoporosis: The Cause and Prevention</i>
Alexa Fisher.....	<i>Systemic Mycoses of the Lungs in Marine Mammals</i>
Marielsy Pimentel .....	<i>The Pathology of Cervical Cancer: A Comparative Study</i>
Philip Paik.....	<i>Rheumatoid Arthritis</i>
Matthew Lopez.....	<i>The Effect of Osteoarthritis in Cartilage</i>
Joel Severiano Jr. ....	<i>Tuberculosis</i>
Rashid Logan.....	<i>Parkinson's Disease and Its Histological Affects</i>

# Poster Session Continued

12:30 – 1:30

Introduction to Chemistry Research, Tables 1, 2, 3, 4, 9, 11

Supervising Professor: Herman Odens, PhD

Zubin Chang .....	Introduction to Chemistry Research
Sarah Pak .....	Introduction to Chemistry Research
Brandon Williams .....	Novel Synthesis of Analogs of Diltiazem
Charles H Zimmerman .....	Synthesis of 7-(alkylsulfanyl)-1,8a-dihydroquinoxaline-2,3,6(4h)-triones
Obadiah D. Groft .....	Synthesis of 3-Substituted-Benzo-[D]Thiozol-2(3H)-one
Jihye Lee & Ethan Park .....	Chemistry of Beauty Products
Dalton Day & Jordan Leader .....	Synthesis of 2(3H)-Benzothiazolone Derivatives
Melissa Aika Nishino .....	Identification of Cyclohexenyl Cation From the Reaction of 1-methylcyclohexene With Sulfuric Acid
Micah Chaiprakorb .....	Introduction to Chemistry Research
Melanie Roman .....	Introduction to Chemistry Research

Research Design and Statistics II, Tables 29, 30, 31, 32

Supervising Professor: Ruth S. Williams, PhD

Steven Metott .....	Personality Type, Stress, Gender, and Academic Achievement in Young Adults
Emily Charvat .....	Patterns of Life Success and Attachment Style in Emerging Adulthood
Hannah Odenthal .....	The Relationship Between Ambivalent Sexism and Adventist Religiosity in College Students
Erica Cosgrove .....	Just Horsin' Around or Effective Treatment? Attitudes Concerning Equine-Assisted Activities and Therapies
Michael Hastilow .....	Imagine This: The Relationship Between Mental Imagery and Anxiety
Camaren Humphrey-Davis .....	Motivation and Goal Achievement in Individual and Group Settings
Tiffany Baun .....	Conformity, Peer Pressure, and Psychopathic Traits Among College Students
Rodney Jamil Hairston II .....	Research Design and Statistics
Jessica Barnett .....	Forgiveness and Relationship Satisfaction in Long-Term Relationships in Southern Adventist University Students
Kamille N. Thompson .....	Look at Me: Relationships Among Self-Esteem, Narcissism, and Social Media
Amanda Perez .....	The Effects of Positive and Negative Music for Memory Recall of Digits in College Students
Rebeca Torres .....	Enriched Home Environments and Family Size and Intelligence Scores in Young Adults



# Poster Session Continued

12:30 – 1:30

Research Design and Statistics II Continued, Tables 12, 19, 20 21, 22, 29

Supervising Professor: Ruth S. Williams, PhD

- Antannia Aguilar ..... *The Secret to Life Success: The Relationship Between Race, Gender, and Religiosity and Life Success for College Students*
- Fallon Fields ..... *Research Design and Statistics*
- Shivani Ward ..... *The Relationship Between Gender, Parenting Style, Ethnicity, and Age in Perceived Life Success for Students at Southern Adventist University*
- Sarah Davis ..... *Academic Well-Being in College Students*
- Miguel Scavella ..... *Biological and Environmental Factors in Career Path Choices in College Students*
- Dennys Dominguez ..... *Research Design and Statistics*
- Sephora Alvarez ..... *The Influence of Social Media on Romantic Relationships in College Students*
- Tracy Ritter ..... *Gender Differences in Exercise Among Emerging Adults*
- Nicole Hanson ..... *The Influence of Relationships on College Students' Academic Motivation*
- Jeffane Bernardin ..... *Curing the Epidemic: Impact of Media and Religiosity on Sexual Beliefs and Attitudes*
- Kevin Canas ..... *Research Design and Statistics*
- Gabriela Martinez ..... *Stress, Depression, and College Students*
- Zachary De Leon ..... *Research Design and Statistics*
- Marissa Lian ..... *Research Design and Statistics*
- Jonathan Vega ..... *The Relationship Between Music Influence and Behavior Among College Students*
- Andrea De La Cruz ..... *Negative Life Events and Their Effect on Memory and Stress*
- Joan Mwema ..... *Research Design and Statistics*

## Session 3

2:00 – 3:15

**3A: Intercultural Communication; Contemporary Art: Florida Hospital Hall 1305, Room Capacity 85**

**Moderator: Mrs. Giselle Hasel**

**Faculty Evaluator: Mr. David George**

Adam Dean Sawyer..... *Third Culture Kids* (15 min)

*Supervising Professor: Linda Potter Crumley, PhD*

Rachel Halterman ..... *Iraqi Culture and Communication* (15 min)

*Supervising Professor: Linda Potter Crumley, PhD*

Bryant Familia ..... *Banksy vs Trump: Fighting Oppression with Spray Paint* (15 min)

*Supervising Professor: Giselle Hasel, MFA*

Vonasha Powell..... *Jacob Lawrence and Cultural Oppression* (15 min)

*Supervising Professor: Giselle Hasel, MFA*

### **3B: Ancient Art History; Studies in Daniel; Scientific Computation**

**Florida Hospital Hall 3111, Room Capacity 40**

**Moderator: Mrs. Cheri Durst**

**Faculty Evaluator: Dr. Bonnie Freeland**

Jeremy Forberg..... *Ancient Seals: The Power of Small Images* (15 min)

*Supervising Professor: Giselle Hasel, MFA*

MacKenzie Trupp..... *Developments in Greek Art in the Hellenistic Period* (15 min)

*Supervising Professor: Giselle Hasel, MFA*

Dahiana Fernandez..... *The Conversion of King Nebuchadnezzar* (15 min)

*Supervising Professor: Martin G. Klingbeil, DLitt*

Devin Nash ..... *Recording the Time Evolution of an Action Potential Wave Along a Nerve Axon* (15 min)

*Supervising Professor: Blake Laing, PhD*

### **3C: Studies in Daniel: Florida Hospital Hall 3305, Room Capacity 95**

**Moderator: Mrs. Karon Powell**

**Faculty Evaluator: Dr. Rick Norskov**

Brittany Leavitt..... *Jesus Christ in the Book of Daniel* (15 min)

*Supervising Professor: Martin G. Klingbeil, DLitt*

Jermaine Jarrett..... *The Apocryphal Portions of the Book of Daniel* (15 min)

*Supervising Professor: Martin G. Klingbeil, DLitt*

Andrew Gindi..... *Studies of Daniel* (15 min)

*Supervising Professor: Martin G. Klingbeil, DLitt*

Tyler Hodges..... *Daniel and "The Time of the End"* (15 min)

*Supervising Professor: Martin G. Klingbeil, DLitt*

## Session 3 Continued

2:00 – 3:15

**3D: Studies in Daniel: Hickman Science Center 3407, Room Capacity 24**

**Moderator: Mrs. Renita Moore**

**Faculty Evaluator: Dr. Martin Klingbeil**

Eric Claus ..... *The Mystery of Darius the Mede: Reconciling His Identity Through History* (15 min)

*Supervising Professor: Martin G. Klingbeil, DLitt*

Joshua T. Sholock ..... *Studies in Daniel* (15 min)

*Supervising Professor: Martin G. Klingbeil, DLitt*

Melissa Peterson ..... *Antiochus Epiphanes IV and the Book of Daniel* (15 min)

*Supervising Professor: Martin G. Klingbeil, DLitt*

Bruce Seasly ..... *Studies in Daniel* (15 min)

*Supervising Professor: Martin G. Klingbeil, DLitt*

**3E: Studies in Daniel: Hulsey Wellness Center 3149, Room Capacity 49**

**Moderator: Mrs. Leslie Evenson**

**Faculty Evaluator: Mrs. Lorri Merchant**

Ryan Mamora ..... *The Life of King Nebuchadnezzar* (15 min)

*Supervising Professor: Martin G. Klingbeil, DLitt*

Austin Nash ..... *Translations for Daniel 2, 7, and 8* (15 min)

*Supervising Professor: Martin G. Klingbeil, DLitt*

Paul-Anthony Turner ..... *The Investigative Judgment in Daniel 7 and 8* (15 min)

*Supervising Professor: Martin G. Klingbeil, DLitt*

Sarah Graham ..... *Studies in Daniel* (15 min)

*Supervising Professor: Martin G. Klingbeil, DLitt*

## Session 3 Continued

2:00 – 3:15

**3F: Physiology of Exercise: Lynn Wood Hall 3050, Room Capacity 35**

**Moderator: Mr. Donald Martin**

**Faculty Evaluator: Dr. Ben Thornton**

Rebecca Sauve ..... *Effects of Low Intensity Exercise Versus I.T. on Improvement of Resting Heart Rate (15 min)*

*Supervising Professor: Harold Mayer, PhD, MPH*

Eric Stocker..... *The Negative Effects of Overtraining on VO2max (15 min)*

*Supervising Professor: Harold Mayer, PhD, MPH*

Arianne Goff..... *Can the Endurance of a Vertical Jumps Be Increased Through Plyometric Training? (15 min)*

*Supervising Professor: Harold Mayer, PhD, MPH*

**3G: Physiology of Exercise; Historiography; Survey of Spanish-American Literature**

**McKee Library Presentation Lab, Room Capacity 30**

**Moderator: Mrs. Carol Harrison**

**Faculty Evaluator: Mrs. Ana Barrios**

Daniel Capo..... *Abby Milton: Suffrage through her Struggles (15 min)*

*Supervising Professor: Mark Peach, PhD*

Hannah Odenthal..... *José Martí: Nuestra América (15 min)*

*Supervising Professor: Ana Barrios, PhD*

Tyler Rand..... *Herencia Andina en el Poema "Alturas de Machu Picchu" de Pablo Neruda (15 min)*

*Supervising Professor: Ana Barrios, PhD*

**3H: Human Behavior and the Social Environment; Faculty Presentation**

**Sherri Norton Room (Student Center), Room Capacity 35**

**Moderator: Dr. Sonja Fordham**

**Faculty Evaluator: Dr. Nina Nelson**

Savannah Grignon..... *What Are the Contributing Factors of Suicide Risk in Late Life? (15 min)*

*Supervising Professor: Corneliu Rusu, MSW*

Stephen Lopez..... *In What Ways Are the General Population of a State Affected by  
It's Decision to Legalize Marijuana? (15 min)*

*Supervising Professor: Corneliu Rusu, MSW*

Luceta McRoy, PhD..... *The Relationship Between Direct to Consumer Advertising (DTCA) and  
Asthma-Related Emergency Department Use Among Medicaid-Enrolled Children (30 min)*

*Professor of Business, Southern Adventist University*

## Session 3 Continued

2:00 – 3:15

**3I: Nursing Research; Faculty Presentation: Summerour Hall 2820, Room Capacity 24**

**Moderator: Dr. Kristie Wilder**

**Faculty Evaluator: Mrs. Cindy Rima**

Amanda Still & Jennifer Thompson..... Opioids for Headaches: The Challenge for Prescribers (15 min)  
Supervising Professor: Beth Scott, PhD, MSN, RN

Charlene Mason ..... Perception of Restricted vs Open Visitation in Intensive Care Units (15 min)  
Supervising Professor: Beth Scott, PhD, MSN, RN

Isaura Torres ..... An Overview on the Effectiveness of CBD-Enriched Cannabis on Pediatric  
Patients Diagnosed with Refractory Epilepsy (15 min)  
Supervising Professor: Beth Scott, PhD, MSN, RN

Ronda M Christman, PhD, MA, MSN, RN ..... Adults Perceptions of Health and Happiness (15 min)  
Professor of Nursing, Southern Adventist University

**3J: African American Literature; Politics of Text and Context; Directed Study**

**Center for Teaching Excellence, Room Capacity 18**

**Moderator: Mrs. Elaine Plemons**

**Faculty Evaluator: Dr. Cynthia Gettys**

Sierra Emilaire..... The Rhetoric Behind 'Aren't I a Woman' (15 min)  
Supervising Professor: Keely Tary, PhD

Jessica Ahn ..... Overcoming Trauma Through Storytelling (15 min)  
Supervising Professor: Linda Tym, PhD

Ann Lee..... Gender Differences in Trait Attribution in Students at Southern Adventist University (15 min)  
Supervising Professor: Tron Wilder, PhD

Bryant F. Rodriguez..... To What Does God Hold the Nations Accountable: An Analysis of the Oracles  
Against the Nations as a Form of a Universal Covenant Lawsuit (15 min)  
Supervising Professor: Donn Leatherman, PhD

**3K: Research Design and Statistics II; History and Systems of Psychology; Directed Study in Psychology**

**Hickman Science Center 2413, Room Capacity 15**

**Moderator: Mr. Stan Cottrell**

**Faculty Evaluator: Dr. Chris Hansen**

Fallon Fields ..... Police Contact, Hostility, and Ethnicity in College-Aged Students (15 min)  
Supervising Professor: Ruth S. Williams, PhD

Veronica Carballo, Beverly Ditta, Chris Caldwell ..... Research Design and Statistics (15 min)  
Supervising Professor: Ruth S. Williams, PhD

Chris Caldwell..... Research Design and Statistics (15 min)  
Supervising Professor: Ruth S. Williams, PhD

## Session 4

### 3:30 – 4:45

#### 4A: Seminar of Mathematics: Brock Hall 1307, Room Capacity 21

Moderator: Dr. Patricia Anderson

Faculty Evaluator: Dr. Patricia Anderson

Korede Ajumobi.....*The Mathematics of Fibonacci's Rabbits (15 min)*

*Supervising Professor: Patricia Anderson, PhD*

Aleise Kebreau.....*The McKendrick Equation Approach (15 min)*

*Supervising Professor: Patricia Anderson, PhD*

Preston Shirsat..... *Continuous Time (15 min)*

*Supervising Professor: Patricia Anderson, PhD*

David Harris ..... *The Population Migration (15 min)*

*Supervising Professor: Patricia Anderson, PhD*

#### 4B: Art Thesis Project; Historiography; Guest Faculty Presentation

Florida Hospital Hall 1305, Room Capacity 85

Moderator: Mrs. Cheri Durst

Faculty Evaluator: Dr. Mark Peach

Naomi Schumacher..... *Behind the Eyes: My Progress in Figure Painting (15 min)*

*Supervising Professor: Marc Boyson, MFA*

Heidi Perez.....*Almira S. Steele and the Orphanage Phenomenon (15 min)*

*Supervising Professor: Mark Peach, PhD*

Dr. Jason Ward..... *Purchasing a New Culture: Everyday Commodities and Constructing  
the Colonial "Indian" Identity in Eighteenth-Century Michoacán (30 min)*

*Associate Professor of History, Lee University*

#### 4C: Nursing Research; Studies in Daniel; Sermon on the Mount

Florida Hospital Hall 1216, Room Capacity 24

Moderator: Ms. Janice Cosme

Faculty Evaluator: Mrs. Beth Snyder

Shederyl Stewart & Jason Berlin ..... *The Effects of School Implemented Exercise  
Programs on Diabetic Prevention (15 min)*

*Supervising Professor: Bonnie Gnadt, PhD, RN*

Luccas Ferreira .....*Studies in Daniel (15 min)*

*Supervising Professor: Martin G. Klingbeil, DLitt*

Juan Mora..... *True Perfection (15 min)*

*Supervising Professor: Donn Leatherman, PhD*

## Session 4 Continued

3:30 – 4:45

### 4D: Critical Thinking in Academic Reading & Writing II (Honors)

Hackman Hall 115, Room Capacity 30

Moderator: Dr. Pamela Jansen

Faculty Evaluator: Dr. Laurie Stankavich

Devin Cummins ..*By Beholding: An Analysis of the Effects of Stereotypical African American Media Portrayals* (15 min)  
Supervising Professor: Kathy Goddard, MA

Elaina Holway .....*Symptoms of Bravery: The Reality of PTSD for Returning War Veterans* (15 min)  
Supervising Professor: Kathy Goddard, MA

Chase A. Czaykowski..... *2014 Revisited: Mismanagement of Ebolavirus Quarantine* (15 min)  
Supervising Professor: Kathy Goddard, MA

### 4E: Ancient Art History; Contemporary Art: Hickman Science Center 1105, Room Capacity 30

Moderator: Mr. Stan Cottrell

Faculty Evaluator: Dr. Bonnie Eder

Bethany Jolene Ashton.....*A Light to the World: Light in the Biblical Account of Creation  
and the Exodus and Its Relation to Worship* (15 min)  
Supervising Professor: Giselle Hasel, MFA

Cindy Amaya ..... *The Parthenon: A Look at Its History and Influence in Modern Times* (15 min)  
Supervising Professor: Giselle Hasel, MFA

Ruth M Yopez ..... *Emperor Worship in Rome* (15 min)  
Supervising Professor: Giselle Hasel, MFA

Angie Edwards..... *Contemporary Art* (15 min)  
Supervising Professor: Giselle Hasel, MFA

### 4F: Physiology of Exercise: Florida Hospital Hall 3111, Room Capacity 40

Moderator: Mrs. Jessica Spears

Faculty Evaluator: Dr. Chris Stewart

Amberhope Velbis..... *Physiological Superiority on VO2Max and Aerobic  
Capacity: HIIT Versus Steady State Training* (15 min)  
Supervising Professor: Harold Mayer, PhD, MPH

Alexandra Bermudez..... *Effects of High-Intensity Interval Training Versus Low-Intensity Training  
on Maximal Oxygen Consumption* (15 min)  
Supervising Professor: Harold Mayer, PhD, MPH

Manuel Onate..... *Physiology of Exercise* (15 min)  
Supervising Professor: Harold Mayer, PhD, MPH

## Session 4 Continued

3:30 – 4:45

### 4G: Human Behavior and the Social Environment; Art History; Faculty Presentation

Daniells Hall 203, Room Capacity 21

Moderator: Mrs. Deyse Bravo-Rivera

Faculty Evaluator: Dr. Ronda Christman

Betty Mchome..... *Young Adults: How They Grieve* (15 min)  
Corneliu Rusu, MSW

MacKenzie Trupp..... *Art History and Psychology Undergraduate Thesis* (20 min)  
Supervising Professor: Giselle Hasel, MFA & Ruth Williams, PhD

Corneliu Rusu, MSW..... *Ecological Living in the Context of Intentional Communities* (30 min)  
Professor of Social Work, Southern Adventist University

### 4H: Approaches to Literature: Summerour Hall 1300, Room Capacity 39

Moderator: Dr. Linda Tym

Faculty Evaluator: Dr. Beth Scott

Tyler Rand..... *The Fluidity of Identity in Alasdair Gray's "Poor Things"* (15 min)  
Supervising Professor: Linda Tym, PhD

Emma Winegardner..... *Structures of Power in Alasdair Gray's "Poor Things"* (15 min)  
Supervising Professor: Linda Tym, PhD

Scott Walker..... *The Transcendental Signifier* (15 min)  
Supervising Professor: Linda Tym, PhD

Hannah Jobe ..... *The Fault of McCandless: Deconstruction and Monstrosity in Alasdair Gray's "Poor Things"* (15 min)  
Supervising Professor: Linda Tym, PhD

Gavin Finch ..... *The Slippery Yet Liberating Nature of Language for Bella Baxter* (15 min)  
Supervising Professor: Linda Tym, PhD

### 4I: Nursing Research; Critical Thinking in Academic Reading & Writing II (Honors)

Miller Hall 205, Room Capacity 23

Moderator: Mr. Donald Martin

Faculty Evaluator: Mrs. Kathy Goddard

Nissa Berbawy & Michelle Park..... *Breast Cancer Risk and Prognosis Related to Serum Vitamin D Levels* (15 min)  
Supervising Professors: Beth Scott: PhD, MSN, RN & Holly Gadd, PhD, APN, FNP-BC

Janelle Dietrich..... *Open My Eyes* (15 min)  
Supervising Professor: Kathy Goddard, MA

Caleb McQuistan..... *A Dream of Baldness* (15 min)  
Supervising Professor: Kathy Goddard, MA

Cynthia Salinas..... *The Silent Guitar* (15 min)  
Supervising Professor: Kathy Goddard, MA





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*Linda Potter Crumley, PhD: Journalism & Communication*  
*Michael Dant, MS: Computing*  
*Bonnie Freeland, DNP, RN, FNP-BC: Nursing*  
*Holly Gadd, PhD, APN, FNP-BC: Nursing*  
*Cynthia Gettys, PhD: IRB Chair*  
*Bonnie Gnadt, PhD, RN: Nursing*  
*Kathy Goddard, MA: English*  
*Giselle Hasel, MFA: Visual Art & Design*  
*Jaclynn Huse, PhD, RN, CNE: Nursing*  
*Barbara James, PhD, RN, CNE: Nursing*  
*Frances Johnson, DNP, RN, NNP-BC: Nursing*  
*Martin G. Klingbeil, DLitt: Religion*  
*Lisa Kuhlman, MBA: Business*  
*Joe La Com, MFA: Visual Art & Design*  
*Donn Leatherman, PhD: Religion*  
*Michael Liedke, DNP, RN, ACNP-BC: Nursing*  
*Blake Laing, PhD: Physics*  
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*Luceta McRoy, PhD: Business*  
*Mitch Menzmer, PhD: Chemistry*  
*Rick Norskov, MD: Biology*  
*Herman Odens, PhD: Chemistry*  
*Robert Ordóñez, MS: Computing*  
*Mark Peach, PhD: History*  
*Corneliu Rusu, MSW: Social Work*  
*Beth Scott: PhD, MSN, RN: Nursing*  
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*Keely Tary, PhD: English*  
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*Linda Tym, PhD: English*  
*Kristie Wilder, JD, LMSW: Social Work*  
*Tron Wilder, PhD: Psychology*  
*Ruth S. Williams, PhD: Psychology*

**Campus Research Day is organized by McKee Library**

*Robert Young, PhD: Senior vice President for Academic Administration*  
*Deyse Bravo-Rivera, MLS, Library Director*  
*Katie McGrath, MEd, Campus Research Day Chair*

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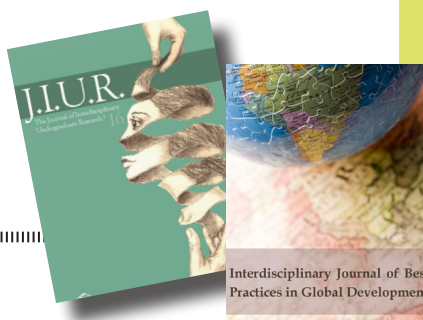
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