

**Florida Atlantic University Graduate College  
Second Annual Three Minute Thesis (3MT®) Championship**

Friday, October 20, 2017

Osher Lifelong Learning Institute, Boca Raton Campus

*Reception to follow in the Grand Palm Room*

**Order of Proceedings**

---

**Red Carpet**

Florida Atlantic University Owl TV with Katie Burke, *Ph.D. Candidate*

**Welcome Message and Competition Overview**

Dr. Deborah L. Floyd, *Dean of the Graduate College and Professor*

**Rules, Judging Criteria, and Introduction of Judges – Emcee of the Competition**

Professor Lynn McNutt, *M.F.A; Assistant Professor, Department of Theatre and Dance*

**3MT® Competition Begins**

FAU graduate student finalists will present in the randomized order below:

<b>3MT® FINALIST</b>	<b>COLLEGE</b>	<b>PROGRAM</b>	<b>ADVISOR</b>	<b>3MT® TITLE</b>
<b><i>Emily Stark</i></b>	Charles E. Schmidt College of Science	Experimental Psychology	Dr. Elan Barenholtz	The Nose Knows: Applications in Machine Olfaction
<b><i>Cristina Pimenta</i></b>	Dorothy F. Schmidt College of Arts and Letters	Political Science	Dr. Mehmet Gurses	Democracy in China: Paradox or Possibility?
<b><i>Julia Roblyer</i></b>	College of Engineering and Computer Science	Civil Engineering	Dr. Daniel Meeroff	Smell-O-Vision: Using Human Odorant Binding Protein to Measure Landfill Odors
<b><i>Brian McMahon</i></b>	College of Education	Curriculum and Instruction	Dr. Sabrina Sembiante	Early Warning Systems: Predicting Student Success
<b><i>Natalie Bermudez</i></b>	Christine E. Lynn College of Nursing	Nursing	Dr. Joy Longo	Exploring Moral Comfort in Nurses
<b><i>Marisa Martinez</i></b>	Charles E. Schmidt College of Science	Integrative Biology	Dr. Dale Gawlik	Forecasting the Future of Coastal Ecosystems: A Bird's Eye View
<b><i>Nicole Reid</i></b>	College of Education	Curriculum and Instruction	Dr. Michelle Vaughan	Game Time
<b><i>Joseph Niederhauser</i></b>	Charles E. Schmidt College of Science	Environmental Science	Dr. Rindy Anderson	The Secret Lives of Sparrows
<b><i>Kirstie Tandberg</i></b>	Charles E. Schmidt College of Science	Integrative Biology	Dr. Amy Wright	Marine Natural Products as Cancer Therapies: Screening for Survivin Inhibitors

3MT® FINALIST	COLLEGE	PROGRAM	ADVISOR	3MT® TITLE
<b>Nandini Singh</b>	Charles E. Schmidt College of Science	Chemistry	Dr. Mare Cudic	Transformers of the Sugar Code
<b>Breanna DeGroot</b>	Charles E. Schmidt College of Science	Biological Sciences	Dr. Matthew Ajemian	Movement and Habitat use of Spotted Eagle Rays Throughout Florida
<b>Mikhail Guseynov</b>	College of Business	Business Administration	Professor Elizabeth Joy Gillespie	Correlation Between Positive Mentality and Academic Success
<b>Rachel Bladow</b>	Charles E. Schmidt College of Science	Biological Sciences	Dr. Sarah Milton	Sea Turtle Development in a Changing Climate: Goldilocks Temperatures are Hard to Find
<b>Bryan Conklin</b> *Championship Second Runner-Up	Charles E. Schmidt College of Science	Complex Systems and Brain Science	Dr. Steven Bressler	Designing a Brain-Computer- Interface that Improves Memory

### Five Minute Break

<b>Bob Halstead</b>	Charles E. Schmidt College of Science	Environmental Science	Dr. Paul Wills	Connecting the Dots in the Circle of Life: A Fish Story
<b>Nicholas Davenport</b>	College of Education	Exercise Science and Health Promotion	Dr. Michael Hall	Mind Body 1: Training the Brain by Training the Body
<b>Rachel Saless</b>	Charles E. Schmidt College of Science	Biological Sciences	Dr. Rindy Anderson	Singing Behavior in the Northern Cardinal
<b>Malissa Sanon</b>	College of Education	Educational Leadership	Dr. Jennifer Bloom	Who's Your Cody?
<b>Eric Nieves</b>	College of Engineering and Computer Science	Ocean Engineering	Dr. Pierre-Philippe Beaujean	Multiple-Vehicle Based Underwater Sensing
<b>Felicia Cooper</b>	Charles E. Schmidt College of Medicine	Medicine	Dr. Minda Neimark	Sudden Death Due to Pulmonary Embolism Arising from Occult Ovarian Cancer
<b>Gabriela Tortoledo</b>	Dorothy F. Schmidt College of Arts and Letters	Theatre	Professor Desmond Gallant, MFA	Marianne from the Tropics: Finding the Feminist Between the Lines
<b>Boris Tezak</b> *Championship First Place & People's Choice Winner	Charles E. Schmidt College of Science	Integrative Biology	Dr. Jeanette Wyneken	Sea Turtle Sex Ratios in a Changing Climate
<b>Michael Miller</b>	College for Design and Social Inquiry	Public Administration	Dr. Clifford McCue	Diffusion of Mission-Related Investing by University and Foundation Endowments
<b>Keith Murphy</b> *Championship First Runner-Up	Charles E. Schmidt College of Science	Integrative Biology	Dr. Ken Dawson-Scully & Dr. William Ja	Using Light to Control Meal Size
<b>Daniel Creed</b>	Dorothy F. Schmidt College of Arts and Letters	Comparative Studies	Dr. Thomas Martin	You Are What You...Read
<b>Brandon McHenry</b>	Charles E. Schmidt College of Science	Biological Sciences	Dr. Peter McCarthy	Zombie Bacteria: Understanding the Viable but Nonculturable State of <i>Vibrio vulnificus</i>

---

## Order of Proceedings (continued)

---

### Audience Submits People's Choice Ballots

People's Choice Ballots collected by FAU Elite Owl Leadership and Service Ambassador Red Jackets.

### Ten Minute Intermission

Door prize raffle and tallying of Judge and People's Choice ballots. Awards announced after the intermission.

### Award Presentation

**Dr. Deborah L. Floyd**, *Dean of the Graduate College and Professor*

- **Championship Winner: \$3,500 (\$2,500 Scholarship, \$1,000 travel), Kelly Family Scholarship Fund**  
*Presented by President John Kelly*
- **First Runner-Up: \$1,500, Kelley Kronenberg Attorneys at Law**  
*Presented by Tom Mersch, ESQ., Partner, Kelley Kronenberg Attorneys at Law*
- **Second Runner-Up: \$1,000, Kelley Kronenberg Attorneys at Law**  
*Presented by Tom Mersch, ESQ., Partner, Kelley Kronenberg Attorneys at Law*
- **People's Choice Winner: \$1,500, Advanced Pediatrics of Boca**  
*Presented by Dr. Patricia Anastasio, M.D., F.A.A.P*

### Reception

Please join us for refreshments in the Grand Palm Room. The Grand Palm room is adjacent to the Osher Lifelong Learning Auditorium and a short walk by a connected sidewalk. FAU's Elite Owls and Red Jackets will be on hand to escort guests to the reception.

---

*A special thank you to the Gladys L. Davis Trust, the Department of Biological Sciences, and the Davimos Family Endowment for Excellence in Science for sponsoring FAU's 3MT® Championship Reception.*

---

**The success of FAU's Second Annual 2017 3MT® Preliminary Heats and Championship was made possible by:**

- **23** Steering Committee Members
- **45** Judges
- **69** Donors and Sponsors
- **90** FAU graduate student competitors
- **131** Volunteers

## Florida Atlantic University, Graduate College Second Annual Three Minute Thesis (3MT®) Championship

### Thank you to the 2017 3MT® Championship Judging Panel

---

- **President John Kelly**  
*President, Florida Atlantic University*
- **Dr. Patricia Anastasio, M.D., F.A.A.P.**  
*Physician, Advanced Pediatrics of Boca Raton*
- **Trustee Anthony Barbar**  
*Chair, Florida Atlantic University Board of Trustees*  
*President and Chief Executive Officer, Barbar & Associates, LLC*
- **Marta Batmasian**  
*Advisory Board, Dorothy F. Schmidt College of Arts and Letters*
- **Dr. Donna Chamely-Wiik**  
*Assistant Dean for Undergraduate Research; Associate Scientist, Chemistry and Biochemistry*
- **Dr. James Galvin, M.D., M.P.H.**  
*Professor of Integrated Medical Science and Associate Dean for Clinical Research*
- **Dr. Jason Hallstrom**  
*Professor & Director of I-SENSE, Department of Computer and Electrical Engineering and Computer Science*
- **Tom Mersch, Esq.**  
*Partner, Kelley Kronenberg Attorneys at Law*
- **Dr. Miguel Montanez**  
*Associate Director of Mathematics, Miami-Dade College*
- **Kellen Smith**  
*Partner, MSI Consulting*

### Thank you to our 2017 3MT® Preliminary Heat Judges

---

- **Dr. Deborah D'Avolio**; Associate Professor, Christine E. Lynn College of Nursing
- **Dr. Stella Batalama**; Dean of the College of Engineering and Computer Science
- **Dr. Elias Bou-Harb**; Assistant Professor, Computer and Electrical Engineering and Computer Science
- **Dr. Megan Davis**; Associate Executive Director, Academic Affairs & Economic Development (HBOI)
- **Dr. Ken Dawson-Scully**; Associate Director, FAU Brain Institute; Associate Professor, Biological Sciences
- **Dr. Adrian Finucane**; Assistant Professor, History
- **Professor Desmond Gallant, M.F.A.**; Chair, Department of Theatre and Dance; Director, School of the Arts
- **Dr. Ellen Goldey**; Dean, Harriet L. Wilkes Honors College
- **Dr. Mark Goldman**; Advisory Board, Dorothy F. Schmidt College of Arts and Letters
- **Dr. James Granger**; Senior Instructor, Business Communications
- **Dr. Daniel Gropper**; Dean of the College of Business
- **Dr. Derrick Huang**; Professor, Department of Information Technology and Operations Management
- **Dr. Brian Hodge**; University Registrar
- **Dr. Michael Horswell**; Dean of the Dorothy F. Schmidt College of Arts and Letters
- **Dr. Russell Ivy**; Associate Provost for Programs and Assessment
- **Dr. Linda Johnson**; Associate Dean of the Dorothy F. Schmidt College of Arts and Letters and Professor of Visual Art
- **Dr. Corey King**; Vice President for Student Affairs
- **Dr. Ben Lowe**; Professor and Chair, Department of History
- **Dr. David Newman**; Associate Professor and Statistician, Christine E. Lynn College of Nursing
- **Trustee Mary Beth McDonald**; Florida Atlantic University Board of Trustees
- **Dr. Tricia Meredith**; Director FAUS Research Program and Assistant Research Professor, College of Education
- **Dr. Meredith Mountford**; Associate Professor, Educational Leadership and Research Methodology
- **Dr. Anne Mulder**; Retired College President and Professor
- **Dr. Sarah Nielsen**; Visiting Instructor, Business Communications
- **Dr. Andrea Oliver**; Associate Vice President, Student Outreach & Diversity
- **Dr. Paul Peluso**; Chair and Professor, Counselor Education Chair, University Graduate Council
- **Dr. Anton Post**; Executive Director, Harbor Branch Oceanographic Institute
- **Dr. Edward Pratt**; Dean of Undergraduate Studies
- **Dr. Cristobal Salinas**; Assistant Professor, Educational Leadership and Research Methodology
- **Dr. Teresa Sakraida**; Associate Professor, Christine E. Lynn College of Nursing
- **Dr. Ata Sarajedini**; Dean of the Charles E. Schmidt College of Science and Professor, Physics
- **Dr. Precious Skinner-Osei**; Visiting Professor, Phyllis and Harvey Sandler School of Social Work
- **Dr. Dawn Shamburger**; Assistant Professor, Costume Design
- **Dr. Lisa Wiese**; Assistant Professor, Christine E. Lynn College of Nursing
- **Dr. Christine Williams**; Professor and Director, PhD Program, Christine E. Lynn College of Nursing
- **Dr. Michelle Vaughan**; Assistant Professor, Curriculum, Culture, and Educational Inquiry

## Florida Atlantic University Graduate College Second Annual Three Minute Thesis (3MT<sup>®</sup>) Championship

### Thank you to our 2017 3MT<sup>®</sup> Steering Committee

---

- **Tracy Baker, Ph.D. Candidate**  
*Assistant Program Director, Office of Undergraduate Research and Inquiry*
  - **Dr. Fred Bloetscher**  
*Professor, Civil, Environmental and Geomatics Engineering*
  - **Dr. Adam Bradford**  
*Associate Dean and Associate Professor, College of Arts and Letters*
  - **Amy Butler**  
*Communications Manager, Division of Public Affairs*
  - **Katie Burke, Ph.D. Candidate**  
*Assistant Dean, Weppner Center for LEAD & Service-Learning*
  - **Dr. Donna Chamely-Wiik**  
*Assistant Dean for Undergraduate Research and Associate Scientist, Chemistry and Biochemistry*
  - **Dr. Kenneth Dawson-Scully**  
*Associate Director, FAU Brain Institute  
Associate Professor, Biological Sciences*
  - **Professor Desmond Gallant, M.F.A.**  
*Chair and Associate Professor, Theatre and Dance  
Director, School of the Arts*
  - **Dawn Howard**  
*Communications Director, University Initiatives and Special Projects*
  - **Dr. Peter McCarthy**  
*Associate Director for Education and Research  
Professor, Harbor Branch Oceanographic Institute*
  - **Professor Lynn McNutt, MFA**  
*Assistant Professor, Department of Theatre and Dance*
  - **Dr. David Newman**  
*Associate Professor and Statistician,  
Christine E. Lynn College of Nursing*
  - **Dr. Teeranai “Nong” Ovathanasin**  
*Executive Director of Academic Operations,  
Jupiter Campus*
  - **Dr. Paul Peluso**  
*Chair and Professor, Counselor Education  
Chair, University Graduate Council*
  - **Allison Rodgers**  
*Assistant Director, Student Government*
  - **Jane Strudwick**  
*Associate University Librarian*
  - **Dr. Joshua Voss**  
*Assistant Research Professor, Harbor Branch  
Oceanographic Institute*
  - **Dr. Linda Weglicki**  
*Professor, Associate Dean for Nursing Research  
& Scholarship and Ph.D. Studies, Schmidt Family  
Foundation Distinguished Professor*
- Graduate College Support Staff:**
- **Dr. Deborah L. Floyd**  
*Graduate College Dean and Professor*
  - **Nora Barragan**  
*Assistant Dean, Graduate Enrollment  
Management*
  - **Annette Casacci**  
*Business Manager*
  - **Zachary Greathouse**  
*Director, Marketing and Communications*
  - **Liana Smith**  
*Assistant Dean, Graduate Degree Completion*

**Florida Atlantic University Graduate College  
Second Annual Three Minute Thesis (3MT®) Championship**

**Thank you to our 2017 3MT® Door Prize Sponsors**

---

**“What an Honor!”**

*Honors College*

**“Take CARE of Yourself”**

*Christine E. Lynn College of Nursing*

**“Owl Design”**

*College for Design and Social Inquiry*

**“Education is Key”**

*College of Education*

**“Trust me, I’m an Engineer!”**

*College of Engineering and Computer Science*

**“Which Way to the Stage?”**

*College of Arts and Letters*

**“Is There a Doctor in the House?”**

*Charles E. Schmidt College of Medicine*

**“Back to Business”**

*College of Business*

**“Pathways to Graduate Education”**

*Graduate College*

**“Never too Young to Research!”**

*Office of Undergraduate Research and Inquiry*

**“It’s Owl Time”**

*It’s Owl Time store*





## Florida Atlantic University, Graduate College Second Annual Three Minute Thesis (3MT®) Championship

### Thank you to our 2017 3MT® Donors and Sponsors

---

Advanced Pediatrics of Boca; Dr. Patricia Anastasio, M.D., F.A.A.P.  
Chartwells Catering  
Davimos Family Endowment for Excellence in Science  
Florida Atlantic University Foundation, Inc.  
Fox Therapy Consultants  
Gladys L. Davis Trust  
It's Owl Time  
Kelly Family Scholarship Fund  
Kelley Kronenberg Attorneys at Law; Tom Mersch, ESQ., Partner  
Public Utility Management & Planning Services, Inc.  
The Toastmasters Club at FAU

Division of Public Affairs  
Division of Research  
Division of Student Affairs  
Office of the President  
Office of the Provost

Charles E. Schmidt College of Medicine  
Charles E. Schmidt College of Science  
Christine E. Lynn College of Nursing  
College of Business  
College for Design and Social Inquiry  
College of Education  
College of Engineering and Computer Science  
Dorothy F. Schmidt College of Arts and Letters  
Department of Theatre and Dance  
Department of Biological Sciences  
Florida Atlantic University Libraries  
Graduate College  
Graduate & Professional Student Association (GPSA)  
Harbor Branch Oceanographic Institute  
Jupiter Campus Administration  
Office of Undergraduate Research & Inquiry  
Undergraduate Studies  
Weppner Center for LEAD & Service-Learning

Anonymous  
Travis Arnold  
Nora Barragan  
Dr. Frederick Bloetscher  
Katie G. Burke, Ph.D. Candidate  
Dr. Megan Davis  
Dr. Ken Dawson-Scully  
Jamie De La Rionda  
Dr. Deborah L. Floyd  
Professor Desmond Gallant, M.F.A.  
Marny Glasser  
Dr. & Mrs. Robert Greer IV  
Dr. Robert Greer V  
Dr. Michele Hawkins  
Dr. Mohammad Ilyas  
Dr. Russ Ivy  
Professor Kathryn L. Johnston, M.F.A.  
Dr. Stephen Kajiura  
Marilyn Link  
Dr. Peter McCarthy  
Trustee Mary Beth McDonald  
Professor Lynn McNutt, M.F.A.  
Dr. David Newman  
Dr. Ronald Nyhan  
Dr. Paul Peluso  
Dr. Gary Perry  
Dr. Marianne Porter  
Dr. Anton F. Post  
Annette Schlubach-Casacci  
Dr. Eric H. Shaw  
Liana Smith  
Professor Lee Soroko, M.F.A.  
Professor Kristen April Soroko, M.F.A.  
Jane Strudwick  
Dr. Joshua Voss  
William Walsh  
Allison Rodgers & Rafael Zapata  
Dr. Ali Zilouchian

**Thank you for making FAU's second annual 3MT® Competition a success!**

**A special thank you to the following FAU student groups:**

Elite Owls, Red Jackets, Graduate and Professional Student Association (GPSA), and Lead With Your Voice

## Florida Atlantic University, Graduate College Second Annual Three Minute Thesis (3MT®) Championship

### 2017 FAU 3MT® Competitors and Awards Complete Listing by Heat

HEAT	HEAT AWARD	NAME	COLLEGE	ADVISOR	3MT® TITLE
HEAT 1		<b>Adriana Colom Cruz</b>	Charles E. Schmidt College of Science	Dr. Michael Maniaci	Benevolent Sexism and Support Provision in Close Relationships
HEAT 1		<b>Toluleke Famuyiwa</b>	Charles E. Schmidt College of Science	Dr. Kumi Diaka	Efficacy of 3bromopyruvate and SC-514 Combination in Prostate Cancer Treatment
HEAT 1		<b>Isabel Hernandez-Holstein</b>	Charles E. Schmidt College of Science	TBD	Autism 2017 - Dispelling Myths & Building Public Empathy
HEAT 1		<b>Sarah Hoffmann</b>	Charles E. Schmidt College of Science	Dr. Marianne Porter	Functional Ecomorphology of Shark Pectoral fins
HEAT 1		<b>Danielle Ingle</b>	Charles E. Schmidt College of Science	Dr. Marianne Porter	What Bone Can Tell Us
HEAT 1		<b>Moises Levy</b>	College of Engineering and Computer Science	Dr. Daniel Raviv	A Novel Framework for Multidimensional Data Center Metrics
HEAT 1		<b>Olena Mahneva</b>	Charles E. Schmidt College of Science	Dr. Sarah Milton Dr. Ken Dawson-Scully	Oxygen: Life, Death, and Flies
HEAT 1	<b>Heat 1 First Runner-Up</b>	<b>Marisa Martinez</b>	Charles E. Schmidt College of Science	Dr. Dale Gawlik	Forecasting the Future of Coastal Ecosystems: A Bird's Eye View
HEAT 1	<b>Heat 1 Second Runner-Up</b>	<b>Keith Murphy</b>	Charles E. Schmidt College of Science	Dr. Ken Dawson-Scully & Dr. William Ja	Using Light to Control Meal Size
HEAT 1		<b>Saheed Oseni</b>	Charles E. Schmidt College of Science	Dr. James Kumi-Diaka	Selective Targeting of Prostate Cancer Stem Cells to Enhance Recognition and Ingestion by Innate Immune Cells
HEAT 1	<b>Heat 1 Overall Winner; Heat 1 People's Choice</b>	<b>Nandini Singh</b>	Charles E. Schmidt College of Science	Dr. Mare Cudic	Transformers of the Sugar Code
HEAT 2	<b>Heat 2 Second Runner-Up</b>	<b>Catalina Aranzazu-Suescun</b>	College of Engineering and Computer Science	Dr. Mihaela Cardei	Spatio-Temporal Event Detection and Reporting in Mobile-Sink Wireless Sensors Networks
HEAT 2		<b>Debojit Biswas</b>	College of Engineering and Computer Science	Dr. Hongbo Su	Gen X Traffic Management



HEAT	HEAT AWARD	NAME	COLLEGE	ADVISOR	3MT® TITLE
HEAT 2		Amir Jalali	College of Engineering and Computer Science	Dr. Reza Azarderakhsh	Efficient Implementation of Post-Quantum Cryptography on Hand-Held Devices
HEAT 2		Morad Mehdiyoun	College of Engineering and Computer Science	Dr. Leif Carlsson	Sweeter Sun
HEAT 2		Nataliia Neshenko	College of Engineering and Computer Science	Dr. Elias Bou-Harb	How Your Baby Monitor and Thermostat are Spying on you and Attacking the Internet: A Network Telescope Approach to Prevent IoT Exploitations
HEAT 2	<b>Heat 2 Overall Winner; Heat 2 People's Choice</b>	Eric Nieves	College of Engineering and Computer Science	Dr. Pierre-Philippe Beaujean	Multiple-Vehicle Based Underwater Sensing
HEAT 2		Saurin Parikh	College of Engineering and Computer Science	Dr. Hari Kalva	Real Time Learning Assessment Using Eye Tracking
HEAT 2		Jamie Polidora	College of Engineering and Computer Science	Dr. Khaled Sobhan	Fracture and Fatigue Behavior of Geosynthetic Reinforced Asphalt Concrete for Pavement Overlays
HEAT 2	<b>Heat 2 First Runner-Up</b>	Julia Roblyer	College of Engineering and Computer Science	Dr. Daniel Meeroff	Smell-o-Vision: Using Human Odorant Binding Protein to Measure Landfill Odors
HEAT 2		Madiha Syed	College of Engineering and Computer Science	Dr. Eduardo Fernandez	Modeling and Security In Cloud Ecosystems
HEAT 2		Luis Felipe Zapata Rivera	College of Engineering and Computer Science	Dr. Maria Petrie	Remote Laboratories a Whole New Experience
HEAT 3		Melissa Aldana	Dorothy F. Schmidt College of Arts and Letters	Dr. Susan Love Brown	Following Threads back to the Past with DNA
HEAT 3		Kathryn Bridwell-Briner	Dorothy F. Schmidt College of Arts and Letters	Dr. Adam Bradford	Speaking Human: Comanche Language and Philosophy
HEAT 3		Rhonda Cifone	Dorothy F. Schmidt College of Arts and Letters	Dr. Laura Backstrom	American Royalty: The Miss America Pageant, From 1921 to Today
HEAT 3		Thomas Cottone	Dorothy F. Schmidt College of Arts and Letters	Dr. Mehmet Gurses	The Gender Wage Gap and College Major Choice
HEAT 3	<b>Heat 3 Second Runner-Up</b>	Daniel Creed	Dorothy F. Schmidt College of Arts and Letters	Dr. Thomas Martin	You Are What You...Read
HEAT 3		Alyson Fishbein	Dorothy F. Schmidt College of Arts and Letters	Dr. Meredith Ellis	A Search For a Pattern: The Application of MRI to Better Understand How Microcephaly Impacts Corpus Callosum Development

HEAT	HEAT AWARD	NAME	COLLEGE	ADVISOR	3MT® TITLE
HEAT 3		Cole Kervin	College of Education	Dr. Sabrina Sembiante	From Local Inequity to National Policy: Building the Case for Brown v. Board of Education
HEAT 3		Elaine Mendelow	Dorothy F. Schmidt College of Arts and Letters	Dr. Alan Berger	From Gutenberg to Google: Six Jewish Diasporic Auto/Biographies
HEAT 3	<b>Heat 3 Overall Winner; Heat 3 People's Choice</b>	Cristina Pimenta	Dorothy F. Schmidt College of Arts and Letters	Dr. Mehmet Gurses	Democracy in China: Paradox or Possibility?
HEAT 3		Tasia Scott	Dorothy F. Schmidt College of Arts and Letters	Dr. Michael Harris	An Elusive Disappearance: Ethnoarchaeological Investigations of Site Abandonment Processes in Manabí, Ecuador.
HEAT 3		James Stewart	Dorothy F. Schmidt College of Arts and Letters	Dr. Stephen Charbonneau	Buy the Past, Darkly: Identity, National Cinema, and Dark Tourism in Post-Socialist Vietnam
HEAT 3		Sharon Thieman	Dorothy F. Schmidt College of Arts and Letters	Professor Carol Prusa, M.F.A.	The Power of Wrapping
HEAT 3	<b>Heat 3 First Runner-Up</b>	Gabriela Tortoledo	Dorothy F. Schmidt College of Arts and Letters	Professor Desmond Gallant, M.F.A.	Marianne from the Tropics: Finding the Feminist Between the Lines
HEAT 3		Melanie Uribe	Dorothy F. Schmidt College of Arts and Letters	Professor Camila Afanador	Tactile Branding: a Multi-Sensory Experience
HEAT 3		Debra Vance Noelk	College of Education	Dr. Meredith Mountford	Grassroots Movements: The Power of People
HEAT 4	<b>Heat 4 Overall Winner; Heat 4 People's Choice</b>	Rachel Bladow	Charles E. Schmidt College of Science	Dr. Sarah Milton	Sea Turtle Development in a Changing Climate: Goldilocks Temperatures are Hard to Find
HEAT 4		Lisa Celano	Charles E. Schmidt College of Science	Dr. Mike Salmon	Light Wavelength Perception and Seafinding by Hatchling Green Turtles ( <i>Chelonia mydas</i> )
HEAT 4		Jessica Dell	Charles E. Schmidt College of Science	Dr. Brian Benschoter	The Effects of Shrub Encroachment on Herbaceous Peatlands Following Fire and Drainage
HEAT 4		Bobby Duersch	Charles E. Schmidt College of Science	Dr. J. William Louda	Establishing the Cause to the Blue-Green Algae Epidemic
HEAT 4		Chris Henaghan	Charles E. Schmidt College of Science	Dr. Sarah Milton	Incubation Temperature Effects on Loggerhead ( <i>Caretta caretta</i> ) and Green ( <i>Chelonia mydas</i> ) Sea Turtle Hatchling Vigor
HEAT 4		Lauren Kircher	Charles E. Schmidt College of Science	Dr. John Baldwin	Movement Patterns of the Common Snook ( <i>Centropomus undecimalis</i> ) as an Effect of Environmental Conditions

HEAT	HEAT AWARD	NAME	COLLEGE	ADVISOR	3MT® TITLE
HEAT 4	<b>Heat 4 First Runner-Up</b>	Joseph Niederhauser	Charles E. Schmidt College of Science	Dr. Rindy Anderson	The Secret Lives of Sparrows
HEAT 4		Amelia Roskar	Charles E. Schmidt College of Science	Dr. Matthew Ajemian	Elasmobranchs in Peril? Shark and Ray Composition and Health Assessment in the Southern Indian River Lagoon
HEAT 4	<b>Heat 4 Second Runner-Up</b>	Rachel Saless	Charles E. Schmidt College of Science	Dr. Rindy Anderson	Singing Behavior in the Northern Cardinal
HEAT 4		Paula Ziadi	Charles E. Schmidt College of Science	Dr. Rindy Anderson	Testing Song Type Matching Hypotheses in the Bachman's Sparrow ( <i>Peucea aestivalis</i> )
HEAT 5	<b>Heat 5 Second Runner-Up</b>	Nicholas Davenport	College of Education	Dr. Michael Hall	Mind Body 1: Training the Brain by Training the Body
HEAT 5		Jacob Hidrowoh	College of Education	Dr. Robert Shockley	Shaping the Leaders of Tomorrow: When Gen Y is Ruling
HEAT 5		Kristopher Ledford	College of Education	Dr. Jennifer Bloom	The Effect of Friendships in an Individual's Life Experience
HEAT 5		Ilona Machado	College of Education	Dr. Hanizah Zainuddin	How Neuroscience Can Help to Explain the Effects of Music on Our Brain
HEAT 5	<b>Heat 5 First Runner-Up</b>	Brian McMahon	College of Education	Dr. Sabrina Sembiane	Early Warning Systems: Predicting Student Success
HEAT 5		LaVell Monger	College of Education	Dr. Jennifer Bloom	Anchor Institutions in Higher Education
HEAT 5	<b>Heat 5 Overall Winner</b>	Nicole Reid	College of Education	Dr. Michelle Vaughan	Game Time
HEAT 5	<b>Heat 5 People's Choice</b>	Malissa Sanon	College of Education	Dr. Jennifer Bloom	Who's Your Cody?
HEAT 6	<b>Heat 6 First Runner-Up</b>	Natalie Bermudez	Christine E. Lynn College of Nursing	Dr. Joy Longo	Exploring Moral Comfort in Nurses
HEAT 6	<b>Heat 6 Overall Winner; Heat 6 People's Choice</b>	Mikhail Guseynov	College of Business	Professor Elizabeth Joy Gillespie	The Association Between Positive Mentality and Academic Success
HEAT 6	<b>Heat 6 Second Runner-Up</b>	Michael Miller	College for Design and Social Inquiry	Dr. Clifford McCue	Diffusion of Mission-Related Investing by University and Foundation Endowments
HEAT 6		Manika Petcharat	Christine E. Lynn College of Nursing	Dr. Patricia Liehr	Mindfulness for Parents
HEAT 6		Keith Champaner	College for Design and Social Inquiry	Professor Georgia Brown	Micro Aggressions and the LGBTQIA Community: A Social Workers Response
HEAT 6		Jorge Sigler	College of Business	Professor Rohan Mills	Utilizing Medical Students to Improve Quality of Care and Lower Healthcare Cost
HEAT 6		Irina Toteva	College of Business	Dr. Eric Shaw	A Theoretical Framework of Surprise

HEAT	HEAT AWARD	NAME	COLLEGE	ADVISOR	3MT® TITLE
HEAT 6		Nicole Vickers Lallatin	College for Design and Social Inquiry	Brandon Johnson	Postpartum Depression Screening Frequency in a State Without Guidelines
HEAT 6		Kendahl Voelker	College of Business	Professor Edward Santiago	RF Visual Simulation for Strategic Commercial Development
HEAT 7		Stephen Amorino	Dorothy F. Schmidt College of Arts and Letters	Dr. Michael Harris	The Everglades and Native American Rights
HEAT 7	Heat 7 Second Runner-Up	Bryan Conklin	Charles E. Schmidt College of Science	Dr. Steven Bressler	Designing a Brain-Computer-Interface that Improves Memory
HEAT 7	Heat 7 First Runner-Up	Felicia Cooper	Charles E. Schmidt College of Medicine	Dr. Minda Neimark	Sudden Death due to Pulmonary Embolism Arising from Occult Ovarian Cancer
HEAT 7		Esmail Elbassal	Charles E. Schmidt College of Science	Dr. Deguo Du	Alzheimer's Early Detection
HEAT 7		Panagiota Galanakou	Charles E. Schmidt College of Science	Dr. Georgios Kalantzis	Graphics Processing Unit (GPU) for Faster Cancer Treatment'
HEAT 7		Florian Hache	College of Engineering and Computer Science	Dr. Isaac Elishakoff	Nanomaterials: Fraud or Revolution
HEAT 7		Brandon Langenberg	Charles E. Schmidt College of Science	Dr. Rainer Steinwandt	The Affect of Quantum Computers on Standard Encryption Algorithms
HEAT 7		Hadi Mohammadi Gorak	Charles E. Schmidt College of Science	Dr. Andy Lau	Spindle as an Active Elastomer
HEAT 7		Angie Posada	Charles E. Schmidt College of Medicine	Dr. Marc Kantorow	Control of Mitochondrial and Nuclear AlphaB-crystallin Function by Phosphorylation and SUMOylation
HEAT 7		Melissa Reiterer	Charles E. Schmidt College of Science	Dr. Sarah Milton	No Oxygen? No Problem! Mechanisms of Neuroprotection Against Oxidative Stress in the Anoxia Tolerant Turtle <i>Trachemys scripta</i>
HEAT 7		Marjan Shojaei	Charles E. Schmidt College of Science	Dr. Theodora Leventouri	Consistency of Treatment Volume vs. Bladder and Rectum Anatomical Variations with Fractionated High-Dose Rate GYN Brachytherapy
HEAT 7	Heat 7 Overall Winner	Emily Stark	Charles E. Schmidt College of Science	Dr. Elan Barenholtz	The Nose Knows: Applications in Machine Olfaction
HEAT 7	Heat 7 People's Choice	Boris Tezak	Charles E. Schmidt College of Science	Dr. Jeanette Wyneken	Sea Turtle Sex Ratios in a Changing Climate

HEAT	HEAT AWARD	NAME	COLLEGE	ADVISOR	3MT® TITLE
HEAT 8 (HBOI)		Jason Blankenship	College of Engineering and Computer Science	Dr. Yan Yong	Perpetual Mapping Rover
HEAT 8 (HBOI)		David Bradshaw	Charles E. Schmidt College of Science	Dr. Peter McCarthy	It's A Microbial World, Time to Take Advantage of That
HEAT 8 (HBOI)		Qingqing Chui	College of Education	Dr. Patricia Ostrowski & Dr. Deborah Floyd	In Their Own Words and by the Numbers: A Mixed -Methods Study of the Advancement of Sustainability in American Higher Education
HEAT 8 (HBOI)	Heat 8 First Runner-Up (tie)	Breanna DeGroot	Charles E. Schmidt College of Science	Dr. Matthew Ajemian	Movement and Habitat use of Spotted Eagle Rays throughout Florida
HEAT 8 (HBOI)		Aaron Duecaster	Charles E. Schmidt College of Science	Dr. Laurent Cherubin	Deriving Water Quality of the Indian River Lagoon from Drone Imagery
HEAT 8 (HBOI)		Ryan Eckert	Charles E. Schmidt College of Science	Dr. Joshua Voss	Assessing Genetic Connectivity and Algal Symbiont Communities in the Coral Species <i>Montastraea cavernosa</i> on the Belize Barrier Reef
HEAT 8 (HBOI)	Heat 8 First Runner-Up (tie)	Bob Halstead	Charles E. Schmidt College of Science	Dr. Paul Wills	Connecting the Dots in the Circle of Life: A Fish Story
HEAT 8 (HBOI)		Richard Jones	Charles E. Schmidt College of Science	Dr. Jon Moore	Barracudina: The Forgotten Pelagic Lizardfishes
HEAT 8 (HBOI)		Cameron Luck	Charles E. Schmidt College of Science	Dr. Matthew Ajemian	Bonefish, Sex, and Everything in Between
HEAT 8 (HBOI)	Heat 8 Overall Winner; Heat 8 People's Choice	Brandon McHenry	Charles E. Schmidt College of Science	Dr. Peter McCarthy	Zombie Bacteria: Understanding the Viable but Nonculturable State of <i>Vibrio vulnificus</i>
HEAT 8 (HBOI)	Heat 8 Second Runner-Up	Kirstie Tandberg	Charles E. Schmidt College of Science	Dr. Amy Wright	Marine Natural Products as Cancer Therapies: Screening for Survivin Inhibitors
HEAT 8 (HBOI)		Sebastian Velez	Charles E. Schmidt College of Science	Dr. Jon Moore	Lost and Confused: Juvenile Snappers and Groupers in the Northern Gulf of Mexico

Florida Atlantic University Graduate College is a service college dedicated to graduate student success. Our graduate students pursue advanced degrees including 65 masters, three specialist, and 23 doctoral degrees, with 89 concentrations. The academic colleges offering graduate degree programs are: Dorothy F. Schmidt College of Arts and Letters, College of Business, College for Design and Social Inquiry, College of Education, College of Engineering and Computer Science, Charles E. Schmidt College of Medicine, Christine E. Lynn College of Nursing, and Charles E. Schmidt College of Science.

**Learn more at [fau.edu/graduate](http://fau.edu/graduate)**

