Spring 2015 Calendar of Events

Tuesday, January 13
Neuroscience Seminar, 3:30-5:00 p.m., EE106, VC to Jupiter MC-12 #201 and Davie LA 148
Dr. Murray Sherman, University of Chicago
Title: “A View of Cortex from the Thalamus”
Supported by the Davimos Family Endowment for Excellence in Science and Life Science Initiative Jupiter
Questions? Contact Janet Blanks (blanks@fau.edu). To subscribe to the seminar email list, send request to Rhona Frankel (frankel@ccs.fau.edu).

Wednesday, January 14
CMBB Seminar, 4:00-5:00PM, EE106, VC to Jupiter SR-268
Speaker: Dr. John D. Schatzle, Vaccine and Gene Therapy Institute of Florida (VGTI)
Title: “An Overview of VGTI Florida’s Center for Diseases and Aging”
Supported by the Davimos Family Endowment for Excellence in Science and the CMBB Foundation
Please contact Marjorie Cazeau (mcazeau@fau.edu) for more information.

Tuesday, January 15
Thesis and Dissertation Formatting Workshop, 2:00-3:30 p.m., Boca CM22, Room 146
The Graduate College offers periodic workshops on the Thesis and Dissertation submission process and how to properly format manuscripts using the Graduate Thesis and Dissertation Guidelines
Please contact Julie Farkas, jfarkas3@fau.edu, for more information or to register for a workshop.

Friday, January 16
Frontiers in Science Public Lecture Series, starts at 3:30 p.m., Boca BC71, Room 126
Title: “Inspirational Biomolecules from Oceania - A sketch of The Past, Current Developments, and Future Prospects”
Speaker: Phillip Crews, Ph.D.
Distinguished Professor of Chemistry
Department of Chemistry and Biochemistry
University of California at Santa Cruz
Since the early 1970’s, the UC Santa Cruz (UCSC) marine natural products program has discovered more than 1,100 molecular structures of marine invertebrates and microorganisms. The promise that these biomolecules hold continues to captivate the interests of research groups throughout the world. The lecture will introduce these inspirational biomolecules from Oceana to our non-scientists friends. The lecture content should energize the next generation of marine bioorganic scientists to engage in marine biomolecule discovery. It will also cover contributions of past luminaries, then jump to the current quest to advance marine-derived small molecules as tools for biomedical research.

Tuesday, January 20
Neuroscience Seminar, 3:30-5:00 p.m., EE106, VC to Jupiter MC-12 #201 and Davie LA 148
Speaker: Dr. Jorge Riera, FIU
Title: “Neurovascular decoupling in preclinical models of focal epilepsy: from intracranial recordings to whole-brain neuroimaging data”
Supported by the Davimos Family Endowment for Excellence in Science and Life Science Initiative Jupiter
Questions? Contact Janet Blanks (blanks@fau.edu). To subscribe to the seminar email list, send request to Rhona Frankel (frankel@ccs.fau.edu).

Wednesday, January 21st
CMBB Seminar, 4:00-5:00PM, Boca, EE106, VC to Jupiter SR-268
Speaker: Lina Shahadeh, Ph.D., Assistant Professor, Vascular Biology Institute, University of Miami School of Medicine, Miami-Florida
Title: “Osteopontin RNA Aptamer Reverses Cardiac Remodeling”
About the Speaker: Dr. Shehadeh is actively engaged in developing a targeted delivery method for microRNAs in vivo using aptamer technology. She currently serves as an integral part of the Interdisciplinary Stem Cell Institute where she has made compelling discoveries regarding vascular smooth muscle cell plasticity and atherosclerosis and also recently identified a microRNA that reduces serum cholesterol levels and controls stem cell differentiation. http://med.miami.edu/news/dr.-lina-shehadeh-receives-stop-heart-disease-researcher-of-the-year-award
Please contact Marjorie Cazeau (mcazeau@fau.edu) for more information.

Wednesday, January 21
OURI Student Workshop, 4:00 p.m.- 5:00 p.m., Boca GS 214B, Video Conferenced to Davie West LA150, Jupiter SR275, and Harbor Branch, LE103
Title: How to get started in research and creative activities.
Questions? Email ouri@fau.edu or call 561-297-6874

Thursday, January 22nd
Center for Complex Systems and Brain Sciences Guest Lecture
Boca, BS-12 Room 303, 4:00 p.m.
Speaker: Dr. Theodore Zanto, University California San Francisco (UCSF), Former Center student and Ph.D. graduate (2006)
Title: “For better or for worse: Non-invasive brain stimulation in humans”
Abstract: The last decade has seen an exponential increase in the number of scientific publications using non-invasive brain stimulation in humans. Contributing to this is a continually expanding number of tools at the researcher’s disposal to non-invasively stimulate the brain. This talk will cover my recent and ongoing research efforts to study neural networks underlying cognitive function utilizing four of these neurostimulation tools: transcranial magnetic stimulation (TMS), transcranial direct current stimulation (tDCS), transcranial alternating current stimulation (tACS), and pulsed electromagnetic fields (PEMF). The use of these tools is highly contingent on an a priori hypothesis, as the parameters chosen for non-invasive stimulation may differentially alter neural processes and associated behavior, for better or for worse.
Please contact Marjorie Cazeau (mcazeau@fau.edu) for more information.

Friday, January 23
Geosciences Colloquium Series, noon – 1:20 p.m., Boca, SE 457, Video Conferenced to Davie West 327
Speaker: Troy Bernier, Department of Geosciences, Florida Atlantic University
Title: “An Amazing Adventure from Senegal to Guinea-Bissau”
For more information about this series, contact Dave Warburton at warburto@fau.edu.

Friday, January 23
Frontiers in Science Public Lecture Series, starts at 3:30 p.m., Boca BC71, Room 126
Title: “Random Collisions and Ordered Events in a Career Journey through the Life and Physical Sciences”
Speaker: Donna J. Dean, Ph.D.
Senior Executive (retired), National Institutes of Health, Bethesda, Maryland
Leadership and Talent Development Consultant
Association for Women in Science Career Consultant
American Chemical Society

The 21st century has opened with unprecedented opportunities for discovery. In this lecture, the speaker brings cogent examples from her extensive experience in leading Federal government sectors that support science across a broad array of research areas. With in-depth knowledge of their own fields, researchers face the challenges of finding opportunities for new endeavors, developing skill in brokering collaborations, and forging alliances among disparate groups and disciplines. Although new research approaches may emerge from a specific need to address an already defined problem, serendipitous occurrences and chance encounters can result in groundbreaking new work on challenging problems. In either case, new ways of conducting research and addressing exciting challenges at the physical and life sciences interface are essential.

Tuesday, January 27
Thesis and Dissertation Formatting Workshop, 10:00-11:30 a.m., Boca CM22, Room 146
The Graduate College offers periodic workshops on the Thesis and Dissertation submission process and how to properly format manuscripts using the Graduate Thesis and Dissertation Guidelines
Please contact Julie Farkas, jfarkas3@fau.edu, for more information or to register for a workshop.

Tuesday, January 27
Neuroscience Seminar, 3:30-5:00 p.m., EE106, VC to Jupiter MC-12 #201 and Davie LA 148
Speaker: Dr. Russell Hamer, FAU
Title: "Human Cortical Responses to Periodic Breaks in Collinearity of Contrast Edges on a Hyperacuity Scale.
Supported by the Davimos Family Endowment for Excellence in Science and Life Science Initiative Jupiter
Questions? Contact Janet Blanks (blanks@fau.edu). To subscribe to the seminar email list, send request to Rhona Frankel (frankel@ccs.fau.edu).

Wednesday, January 28
CMBB Seminar, 4:00-5:00PM, EE106, VC to Jupiter SR-268
Speaker: Dr. Eugen Wu, University of Richmond
Title: "DNA Polymerase, the Movie"
Supported by the Davimos Family Endowment for Excellence in Science and the CMBB Foundation
Please contact Marjorie Cazeau (mcazeau@fau.edu) for more information.

Friday, January 30
Math Sciences Colloquium, Noon, Boca, SE 215.
Speaker: Mary Dabney and Charlene Myers, (NCCI)
Title: "From Majoring in Mathematics to Ratemaking and Reserving"
Abstract: http://math.fau.edu/markus/
For more information about this series, Markus Schmidmeier: markusschmidmeier@gmail.com

Friday, January 30
Geosciences Colloquium Series, noon – 1:20 p.m., Boca, SE 457, Video Conferenced to Davie West 327
Speaker: Eric Vandernoot, Department of Physics, Florida Atlantic University
Title: “New Solar System Formation Theories”
For more information about this series, contact Dave Warburton at warburto@fau.edu.

Friday, January 30
Synapse 2015, 4:00-6:00 p.m., Max Planck Florida Institute for Neuroscience
Local Neuroscientists: Let’s Connect Annual Poster Session and Happy Hour
All are welcome to present posters and students are encouraged to do so.
Hosted by: Max Plank Florida Institute for Neuroscience, Florida Atlantic University Neuroscience, Scripps Research Institute, and the Palm Beach Chapter of the Society for Neuroscience.
Questions? Contact Brenda Claiborne, bclaibor@fau.edu.

Friday, January 30
Math Sciences Colloquium, 4:00 p.m., Boca, SE 215.
Speaker: Eli Liflyand, Ph.D., Bar Ilan University, Israel
Title: “Amalgam Type Spaces and Integrability of the Fourier Transforms”
Abstract: We introduce an amalgam type space, a subspace of $L^1(R^+)$. Integrability results for the Fourier transform of a function with the derivative from such an amalgam space are proved. As an application, we obtain conditions for the integrability of trigonometric series. Sharpness of Hardy’s inequality can be shown within this scope as well.
For more information about this series, Markus Schmidmeier: markusschmidmeier@gmail.com

Friday, January 30
Frontiers in Science Public Lecture Series, starts at 3:30 p.m., Boca BC71, Room 126
Title: “Snoop Dreams: The Expression of Personality in Everyday Contexts”
Speaker: Sam Gosling, Ph.D.
Professor of Psychology
University of Texas, Austin
How are we connected to the spaces in which we live and work? How do our living rooms, bedrooms, offices, music collections, and Facebook profiles reflect what we are like and, more fundamentally, who we are? We are so tightly bound to our living and work spaces that many of the connections linking people and places go unnoticed. But these environments are rich with information about our values, attitudes, preferences, and personality. This talk will present the result of a decade’s worth of research unraveling the links between people and places and figuring out what they mean. Some clues—the Martin Luther King poster on the office wall or the high-brow books left casually lying on the coffee table—are deliberate (but not always disingenuous) signals directed towards others about how we would like to be seen. Other clues—the music on your iPod or the disarray in the office-desk drawer—are inadvertent reflections of our styles of feeling and thinking and of our history of behavior. Together, these studies of physical, aural, and virtual environments illuminate the intimate bonds between people the worlds they craft around themselves.

Friday, January 30
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Hosted by: Max Plank Florida Institute for Neuroscience, Florida Atlantic University Neuroscience, Scripps Research Institute, and the Palm Beach Chapter of the Society for Neuroscience.
Questions? Contact Brenda Claiborne, bclaibor@fau.edu.

Tuesday, February 3
Neuroscience Seminar, 3:30-4:30 p.m., FAU Jupiter Campus, Research Facility Building (MC-17), with videoconferencing to Boca: EE106 and to Davie LA 148
Speaker: Dr. Isabel Muzzio, University of Pennsylvania
Title: “Contextual and emotional information along the longitudinal hippocampal axis”
Supported by the Davimos Family Endowment for Excellence in Science and Life Science Initiative Jupiter
Friday, February 6
Geosciences Colloquium Series, noon – 1:20 p.m., Boca SE 457, Video Conferenced to Davie West 327
Speaker: Eric Vandernoot, Department of Physics, Florida Atlantic University
Title: “New Solar System Formation Theories – Part 2”
For more information about this series, contact Dave Warburton at warburto@fau.edu.

Friday, February 6
Mathematical Sciences Colloquium, Boca, 4:00 p.m., SE 215
Speaker: Charles R. Keeton, Ph.D., Rutgers University
Title: “Gravitational Lensing: Connecting Mathematics to Cosmology”
In the 1930s, Einstein used his theory of relativity to predict that a star's gravity could act like a lens, bending light and creating multiple images of a more distant star. Today this “gravitational lensing” is used across astrophysics and cosmology to study galaxies, black holes, dark matter, and much more. Gravity's action on light is simple in concept yet rich in detail. The physical applications are supported by mathematical topics ranging from differential geometry to catastrophe theory to probability theory and stochastic processes. The speaker will use gravitational lensing to discuss some of the exciting synergies between mathematics and cosmology.

Friday, February 6
Jupiter’s Opposition to the Sun, 7 p.m. to 2 a.m., Observatory, SE 43
The Charles E. Schmidt College of Science at Florida Atlantic University is offering a free open dome event during “Jupiter’s Opposition to the Sun,” beginning at 7 p.m. on Friday, Feb. 6 until 2 a.m. on Sat., Feb. 7 in the FAU Observatory in the College of Science building (SE 43), 777 Glades Road, Boca Raton campus. During the open dome event, visitors will be able to look through the telescope at the planet and its moons all evening. During the first three hours of the event, Jupiter’s Great Red Spot will transit across the planet, with the planet just barely grazing a distant star from 7:30 until 7:43 p.m. on Friday. For more information, contact Eric Vandernoot at evandern@fau.edu.

Monday, February 9
Combinatorics’ Seminar, 5:00 p.m., University of Miami, UB 402
Title: Period collapse of Ehrhart quasipolynomials
Speaker: Richard Stanley
Abstract: Abstract: Let P be a convex polytope with rational vertices. For a positive integer n, let i(P,n) be the number of integer points in nP. A basic theorem of Ehrhart theory says that if p is the gcd of the denominators of all coordinates of the vertices of P, then for 0\(\leq j < p\) the function i(P,n) is a polynomial f_j(n) when n is congruent to j mod p. In some cases, however, the “quasiperiod” p can be smaller. After a general discussion we focus on the very simple case of a triangle with vertices (0,0), (a/b,0), (0,a/b), for which some surprising results hold. Most of this is joint work with Daniel Gardiner, who was motivated by symplectic geometry. We assume no prior knowledge of polytopes, Ehrhart theory, or symplectic geometry.
Questions? Contact Markus Schmidmeier: math.fau.edu/markus

Tuesday, February 10
Neuroscience Seminar, 3:30-5:00 p.m., EE106, VC to Jupiter MC-12 #201 and Davie LA 148
Dr. Flavio Frohlich, University of North Carolina, Chapel Hill
Title: “Non-invasive Brain Stimulation: Mechanisms of Action and Applications”
Questions? Contact Janet Blanks (blanks@fau.edu). To subscribe to the seminar email list, send request to Rhona Frankel (frankel@ccs.fau.edu).

Wednesday, February 11
OURI Student Workshop, 1:00 p.m.- 2:00 p.m., Davie West LA132
Title: How to get started in Research and Creative Activities
Questions? Emailouri@fau.edu or call 561-297-6874

Wednesday, February 11
OURI Student Workshop, 4:00 p.m.- 5:00 p.m., Boca GS 214B, Video Conferenced to Jupiter SR275, and Harbor Branch, LE103
Title: Research Ethics
Questions? Emailouri@fau.edu or call 561-297-6874

Friday February 13
Marine Science Seminar, 12:00 p.m., Boca, CM125, Video Conferenced to Davie, DW421; HBOI MC209
Title: A Tale of Two Seas: It was the Best of Fish, It was the Worst of Fish
Speaker: Dr Justin Grubich, Senior Associate, The Pew Charitable Trusts
Questions? Contact Stephen Kajiura: kajiura@fau.edu

Friday, February 13
Women in STEM Careers Colloquium, 11:00 a.m., Boca, PS 226
Speaker: Dr. Yesim Darici. Director, Center for Women’s and Gender Studies. Associate Professor of Physics, Florida International University.
Title: “Work Force Development: Advancement of Women and Minorities”
Abstract: FIU NSF ADVANCE grant’s ACE (Awareness, Commitment and Empowerment) project activities such as STRIDE (Strategies and Tactics for Recruiting to improve Diversity and Excellence) and LAUNCH will be discussed. Currently, at FIU, STRIDE workshops are adapted and required for all search including higher level administration positions. These workshops will be presented to show how schema and unconscious bias affect careers and directing of women and minorities. Finally, I will discuss what FIU’s ultimate aim for the advancement of Women and Minorities should be by comparing examples from model institutions.
Dr. Darici’s visit will also be co-sponsored by the FAU Chemistry Club.
Questions? Contact Evonne M. Rezler, Ph.D., erzler@fau.edu.

Friday, February 13
Chemistry and Biochemistry Seminar, 3:00p.m., Boca, PS 226
Speaker: Clifford Morris, Graduate Student, FAU
Title: “Membrane Disruption and Early Events in the Aggregation of the Diabetes Related Peptide IAPP from a Molecular Perspective”
Questions? Contact Patricia Snyder: synder@fau.edu

Tuesday, February 17
Neuroscience Seminar, 3:30-5:00 p.m., Max Planck Florida Institute for Neuroscience, Elmore Auditorium.
Speaker: Dr. Raymond Kesner, University of Utah
Title: “Subregional analysis of hippocampal function”
Questions? Contact Janet Blanks (blanks@fau.edu). To subscribe to the seminar email list, send request to Rhona Frankel (frankel@ccs.fau.edu).

Wednesday, February 18
CMBB Seminar, 4:00-5:00 p.m., Boca EE106, Video Conferenced to Jupiter SR268.
Speaker: Dr. L. T. Buck, University of Toronto
Title: “Modulating neuronal pathways for survival without oxygen”
For more information about these series please contact Marjorie Cazeau (mcazeau@fau.edu).

Thursday, February 19
OURI Student Workshop, 12:00 p.m. - 1:00 p.m., Boca GS 214B, Video Conferenced to Davie West LA150, Jupiter SR275, and Harbor Branch, LE103
Title: How to get started in research and creative activities.
Questions? Email ouri@fau.edu or call 561-297-6874

Friday, February 20
Geosciences Colloquium Series, noon – 1:20 p.m., Boca EE106, Video Conferenced to Davie West 108, Jupiter RE201, and Harbor Branch, LE247B
Speaker: Clifford Voss, Research Hydrologist - Research Hydrologist - National Research Program
Title: “Density-Driven Groundwater Flow: Seawater Intrusion, Natural Convection, and Other Phenomena”
For more information about this series, contact Dave Warburton at warburto@fau.edu.

Friday, February 20
Physics Colloquium, 1:30 p.m., Boca, SE 319A
Speaker: Dr. G. Malcolm Stocks, Oak Ridge National Laboratory, Oak Ridge Tennessee
Title: “On the Physics of High Entropy Alloys - the Ultimate in Solid Solution Alloys”
Abstract: The development of metallic alloys is arguably one of the oldest of sciences, dating back at least 3,000 years. It is therefore very surprising when a new class of metallic alloys is discovered. High Entropy Alloys (HEA) appear to be such a class and, as a consequence, one that is receiving a great deal of attention in terms of the underlying physics responsible for their formation as well as combinations of properties that make them candidates for technological applications. The term HEA typically refers to alloys that are comprised of 5, 6, 7... elements at or near equi-atomic composition that form random solid solution alloys on simple underlying lattices; FCC Cr0.2Mn0.2Fe0.2Co0.2Ni0.2 and BCC Cr0.2Mn0.2Fe0.2Co0.2Ni0.2 being textbook examples. The appellation “High Entropy Alloy” refers to an early conjecture that these unusual systems were stabilized as solid solutions by the high entropy of mixing associated with the large number of components. Here, I will discuss two sets of questions posed by these systems. Firstly, why do they form and how do we predict which combinations of N elements are most likely to yield a single phase HEA? Secondly, how does the extreme compositional disorder that is endemic to HEAs influence physical properties? In both cases, I will present answers to some of these questions while emphasizing the need to address many others. For the former, I will propose a model that, through the use of high throughput computation of the enthalpies of formation of binary compounds, predicts specific multi-elemental combinations most likely to form single-phase HEAs. For the latter, I will show the results of ab initio (KKR-CPA) electronic structure calculations that illustrate the effects of extreme compositional disorder on the electronic, magnetic, and transport properties of HEAs. In particular, I will present the results of calculations of the finite temperature magnetic properties of HEAs comprised of the ‘magnetic’ 3d-transition metals elements that point to the wide range of magnetic properties that one can expect from different elemental combinations, ranging from robust ferromagnetism to spin-glass like behavior.
Frontiers in Science Public Lecture Series, starts at 3:30 p.m., Boca BC71, Room 126
Title: “Frames Near Mechanical Collapse: from Jamming to Topological Phonons”
Speaker: Tom Lubensky, Ph.D.
Christopher H. Browne Distinguished Professor of Physics
Department of Physics and Astronomy
University of Pennsylvania
This talk will provide an overview of elastic and mechanical properties and mode structures of model periodic lattices, such as the square and kagome lattices with central-force springs, that are just on verge of mechanical instability. It will discuss the origin and nature of zero modes, which are responsible for mechanical instability, of these structures under both periodic (PBC) and free boundary conditions (FBC), and it will discuss general conditions (a) under which the zero modes under the two boundary conditions are essentially identical and (b) under which phonon modes are gapped with no zero modes in the periodic spectrum but include zero-frequency surface Rayleigh waves in the free spectrum.

Mathematical Sciences Colloquium, 4:00 p.m., Boca SE215
Title: “Validated numerics for ODEs using Chebyshev series”
Speaker: Christian Reinhardt, Ph.D., Vrije Universiteit, Amsterdam
For the abstract please see: http://math.fau.edu/markus/seminar.html.
Refreshments served.
For questions, contact Markus Schmidmeier, markusschmidmeier@gmail.com

Science Olympiad: Middle and High School, 7:00 a.m. to 5:00 p.m., Boca Raton Campus
The Charles E. Schmidt College of Science announces the 8th Annual FAU Southeast Regional Science Olympiad, a science competition for middle and high school students devoted to improving the quality of science education, increasing student interest in science, and providing recognition for outstanding achievement in science education by both students and teachers. More than 1,000 students, families, teachers and volunteers will visit FAU's Boca Raton campus to compete at knowledge and technology-based hands-on events. For more information, visit: http://www.science.fau.edu/scienceolympiad/index.html.
To volunteer the day of the event, register here: http://www.science.fau.edu/forms/olympiadvolunteer.html.
For more information, contact Ingrid Johansen at johanson@fau.edu.

Palm Beach County Dark Sky Festival, 6pm-10pm, Okeecheelee Nature Center, WPB, FL
Celebrate the Night-Turn Down the Lights. Okeecheelee Nature Center presents this free family event that will have many exciting and educational opportunities to experience and learn about the night sky and how and why we need to preserve it! There will be stargazing, live animal presentations, four guided nature tours (first come, first serve), speakers, film screening, educational booths, and more.
For more information, contact Eric Vandernoot, Astronomy & Physics Lab Coordinator, Florida Atlantic University or visit: http://www.pbcgov.com/erm/darkskyfest/

Neuroscience Seminar, 3:30-5:00 p.m., Boca, Engineering East, Room 106
Speaker: Dr. Michael Baumann, IRP, NIDA, NIH, DHHS
Title: "Second generation cathinones differentially affect monoamine transporters"
Supported by the Davimos Family Endowment for Excellence in Science and Life Science Initiative Jupiter
Questions? Contact Janet Blanks (blanks@fau.edu). To subscribe to the seminar email list, send request to Rhona Frankel (frankel@ccs.fau.edu).

Wednesday, February 25
Center for eLearning Demonstrations, 11:00 a.m.-2:00 p.m., Boca (see below for rooms), Video Conferenced to Davie, DW 109 and Jupiter, SR 258.
The Center for eLearning is hosting a demonstration of two digital science lab programs for online science scholars. We are hosting eScience Labs and Late Nite Labs with a Lunch and Learn event. This event will be hosted on the Boca campus with video conferencing to the Davie and Jupiter campuses.
What: Demonstration of highly immersive digital science labs from Late Nite Lab and eScience Labs personnel & product specialists.
Who Should Attend: All Biology, Micro Biology, Chemistry, Physics and Geo Sciences Instructors, Faculty and Staff.
Late Nite Labs – SE 457
eScience Labs – SE 483
Lunch and Refreshments: SE 413
Questions? Contact Willie Freeman, wfreeman@fau.edu

Wednesday, February 25
CMBB Seminar, 4:00-5:00 p.m., Boca EE106, Video Conferenced to Jupiter SR268.
Speaker: Dr. Paolo Serafini - Univ. of Miami
Host: Vijaya Iragavarapu
For more information about these series please contact Marjorie Cazeau (Mcazeau@fau.edu).

Friday, February 27
Geosciences Colloquium Series, noon – 1:20 p.m., ” Boca, Engineering East 106 – Broadcast to DW108; JDM RE201; HB LE 247B
Speaker: Michael Mann, Distinguished Professor of Meteorology, Department of Geosciences, Penn State University
Title: “Internal and Forced Low-Frequency Surface Temperature Variability at Global and Regional Scales”
For more information about this series, contact Dave Warburton at warburto@fau.edu.

Friday, February 27
Frontiers in Science Public Lecture Series, starts at 3:30 p.m., Boca BC71, Room 126
Title: “The Hockey Stick and the Climate Wars: The Battle Continues”
Speaker: Michael E. Mann, Ph.D.; Distinguished Professor of Meteorology; Director, Earth System Science Center; Penn State University
A central figure in the controversy over human-caused climate change has been “The Hockey Stick,” a simple, easy-to-understand graph my colleagues and I constructed to depict changes in Earth’s temperature back to 1000 AD. The graph was featured in the high-profile “Summary for Policy Makers” of the 2001 report of the Intergovernmental Panel on Climate Change (IPCC), and it quickly became an icon in the debate over human-caused (“anthropogenic”) climate change. I tell the ongoing story behind the Hockey Stick, using it as a vehicle for exploring broader issues regarding the role of skepticism in science, the uneasy relationship between science and politics, and the dangers that arise when special economic interests and those who do their bidding attempt to skew the discourse over policy-relevant areas of science. In short, I attempt to use the Hockey Stick to cut through the fog of disinformation that has been generated by the campaign to deny the reality of climate change. It is my intent, in so doing, to reveal the very real threat to our future that lies behind it.

Monday – Friday, March 2-6
Forty-Sixth Southeastern International Conference on Combinatorics, Graph Theory, and Computing, FAU Campus Student Union
The Southeastern International Conference on Combinatorics, Graph Theory, and Computing, hosted by the Mathematical Sciences Department, brings together the world’s top mathematicians and others interested in combinatorics, graph theory, and computing. The conference has proven to be of great interest to those employing these mathematical sciences in their professional work in business, industry, and government. http://math.fau.edu/cgtc/CGTC46/.

Monday, March 9
OURI Student Workshop, 2:00 p.m.- 3:30 p.m., Boca GS 214B, Video Conferenced to Davie West LA150, Jupiter SR275, and Harbor Branch, LE103
Title: How to Conduct a Literature Review
Questions? Emailouri@fau.edu or call 561-297-6874

Tuesday, March 10
Neuroscience Seminar, 3:30-5:00 p.m., EE106, VC to Jupiter MC-12 #201 and Davie LA 148
Dr. Alex Keene, University of Nevada, Reno
Title: “Genetic and evolutionary dissection of the sleep-feeding conflict”
Supported by the Davimos Family Endowment for Excellence in Science and Life Science Initiative Jupiter
Questions? Contact Janet Blanks (blanks@fau.edu). To subscribe to the seminar email list, send request to Rhona Frankel (frankel@ccs.fau.edu).

Wednesday, March 11
OURI Student Workshop, 1:00 p.m.- 2:00 p.m., Boca GS 214B, Video Conferenced to Jupiter SR275, and Harbor Branch, LE103
Title: Creating a Poster and Oral Presentation
Questions? Emailouri@fau.edu or call 561-297-6874

Wednesday, March 11
OURI Student Workshop, 1:00 p.m.- 2:00 p.m., Davie West LA132
Title: How to get started in Research and Creative Activities
Questions? Emailouri@fau.edu or call 561-297-6874

Friday, March 13
Frontiers in Science Public Lecture Series, starts at 3:30 p.m., Boca BC71, Room 126
Title: “Biological Robotics: Inspiration from Nature for Designing Mechanical Devices”
Speaker: George V. Lauder, Ph.D., Henry Bryant Bigelow Professor, Harvard University
Bio-robotics is a rapidly growing area of research in which plants and animals are used as inspiration for the design of mechanical devices. Bio-inspired drones and a diversity of robotic devices based on flying, running, and swimming animals are now emerging from the laboratory to take a more public role in the exploration of the natural world. I will give an overview of progress in this area and present some examples of bio-inspired robotic systems with a focus on fish-like devices and how these are developed and tested.

Saturday, March 14
11th Annual Math Day, 8:00 a.m. to 3:30 p.m., Boca, General Classroom North 101 and Physical Sciences Building, 109
Participants can expect exciting competitions and instructive lectures designed to please those who love mathematics or are contemplating a career in mathematics or science. If you are a high school student who likes and enjoys mathematics, come for a day of excitement and fun, with a chance to win prizes and to learn more
about mathematics. If you are a teacher, come to see your students compete and to meet your college colleagues. Math Day is an opportunity for high school mathematics faculty and mathematically inclined students of schools in Palm Beach, Broward, Martin and Dade counties, and for math faculty and students at Florida Atlantic University to get together, get to know each other, and share their appreciation of mathematics. For more information, visit: [http://www.math.fau.edu/mathday/](http://www.math.fau.edu/mathday/).

**Monday, March 16**

**Pre-Health Professions Day, Sanson Life Science Building East Patio, 12:00 p.m. to 3:30 p.m.**

Meet admission representatives from medical schools, dental schools, pharmacy schools, veterinary schools, physician assistant programs, public health programs and more... Participate in events organized by the FAU Pre-Health Clubs! For more information: [http://www.science.fau.edu/prehealthday/](http://www.science.fau.edu/prehealthday/).

**Tuesday, March 17**

**Neuroscience Seminar, 3:30-5:00 p.m., EE106, VC to Jupiter MC-12 #201 and Davie LA 148**

Dr. Dr. Jang-Yen Wu, Florida Atlantic University, FAU

**Title:** “DETC-MeSO as a potential novel therapy for stroke treatment”

Supported by the Davimos Family Endowment for Excellence in Science and Life Science Initiative Jupiter Questions? Contact Janet Blanks ([blanks@fau.edu](mailto:blanks@fau.edu)). To subscribe to the seminar email list, send request to Rhona Frankel ([frankel@ccs.fau.edu](mailto:frankel@ccs.fau.edu)).

**Thursday, March 19**

**OURI Student Workshop, 12:00 p.m.- 1:00 p.m., Boca GS 214B, Video Conferenced to Davie West LA150, Jupiter SR275, and Harbor Branch, LE103**

**Title:** How to get started in Research and Creative Activities

Questions? Email [ouri@fau.edu](mailto:ouri@fau.edu) or call 561-297-6874

**Friday, March 20**

**College of Science Research Day, Sanson Patio 10 a.m. to noon**

The Charles E. Schmidt College of Science’s Annual Research Day showcases both undergraduate and graduate student research. All College of Science students are invited to present their research in this poster session setting. The event is held on the Sanson Patio on March 20 from 10 a.m. to noon. Students will be judged and recognized by two separate panels: first, by faculty judges and secondly, by graduate student researchers representing the College of Science Graduate Association. For more information and to register, click here.

**Friday, March 20**

**Geosciences Colloquium Series, noon – 1:20 p.m., Boca, SE 457, Video Conferenced to Davie West 327**

**Speaker:** Kimberly Huguenard, Postdoctoral Research Associate, Physical and Environmental Sciences Department at Texas A&M University – Corpus Christi

**Title:** “The role of turbulence in coastal sediment transport”

For more information about this series, contact Dave Warburton at [warburto@fau.edu](mailto:warburto@fau.edu).

**Tuesday, March 24**

**Neuroscience Seminar, 3:30-5:00 p.m., EE106, VC to Jupiter MC-12 #201 and Davie LA 148**

TBA

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Friday, March 27
Geosciences Colloquium Series, noon – 1:20 p.m., Boca, SE 457, Video Conferenced to Davie West 327
*Please note that there are two speakers this month.*

**Speaker:** Ashley Campbell, Restoration Certificate Internship Presentation, FAU
**Title:** “Acquisition, Planning, and Management of Palm Beach County's Natural Areas”

**Speaker:** Alex Garcia, Undergraduate Honors Geology presentation, FAU
**Title:** “Temporal variability of biogenic gases in peat soils from the Everglades using capacitance moisture probes”
For more information about this series, contact Dave Warburton at warburto@fau.edu.

Friday, March 27
Frontiers in Science Public Lecture Series, starts at 3:30 p.m., Boca BC71, Room 126
**Title:** “Sparsity in Big Data”
**Speaker:** Harm Derksen, Ph.D.; Department of Mathematics, Michigan Center for Integrative Research in Critical Care (M-CIRCC), University of Michigan, Ann Arbor
Huge amounts of data are created every day. Information is hidden within noise like a needle in a haystack. In this lecture we will explore how sparse structure in data can be exploited to extract useful information from large data sets such as the images and video, the human genome, or text documents on the internet.

Tuesday, March 31
Neuroscience Seminar, 3:30-5:00 p.m., EE106, VC to Jupiter MC-12 #201 and Davie LA 148
Dr. Ceylan Isgor, Florida Atlantic University College of Medicine
**Title:** Emergence of epileptogenesis and aberrant synaptic circuits in the adult hippocampus of transgenic mice over-expressing the brain-derived neurotrophic factor”
Supported by the Davimos Family Endowment for Excellence in Science and Life Science Initiative Jupiter
Questions? Contact Janet Blanks (blanks@fau.edu). To subscribe to the seminar email list, send request to Rhona Frankel (frankel@ccs.fau.edu).

Friday, April 3
Geosciences Colloquium Series, noon – 1:20 p.m., Boca, SE 457, Video Conferenced to Davie West 327
**Speaker:** Sarah Kruse, School of Geosciences, University of South Florida
**Title:** TBA
For more information about this series, contact Dave Warburton at warburto@fau.edu.

Tuesday, April 7
Neuroscience Seminar, 3:30-5:00 p.m., Max Planck Florida Institute for Neuroscience, Elmore Auditorium.
Dr. Achim Klug, University of Colorado School of Medicine
**Title:** “Fast neural inhibition in the auditory brain stem helps us function at a cocktail party”
Supported by the Davimos Family Endowment for Excellence in Science and Life Science Initiative Jupiter
Questions? Contact Janet Blanks (blanks@fau.edu). To subscribe to the seminar email list, send request to Rhona Frankel (frankel@ccs.fau.edu).

Wednesday, April 8
OURI Student Workshop, 1:00 p.m.- 2:00 p.m., Boca GS 214B, Video Conferenced to Davie West LA150, Jupiter SR275, and Harbor Branch, LE103
**Title:** How to get started in Research and Creative Activities
Questions? Email ouri@fau.edu or call 561-297-6874
Wednesday, April 8
OURI Student Workshop, 1:00 p.m.- 2:00 p.m., Boca GS 214B, Video Conferenced to Jupiter SR275, and Harbor Branch, LE103
Title: Preparing for Graduate School
Questions? Email ouri@fau.edu or call 561-297-6874

Wednesday, April 8
OURI Student Workshop, 1:00 p.m.- 2:00 p.m., Davie West LA132
Title: Preparing for Graduate School
Questions? Email ouri@fau.edu or call 561-297-6874

Friday, April 10
Geosciences Colloquium Series, noon – 1:20 p.m., Boca, SE 457, Video Conferenced to Davie West 327
Speaker: Michael Yustin, Project Manager, Engineering Department, Martin County Board of County Commissioners
Title: “The Restoration of the Cypress Creek Watershed”.
For more information about this series, contact Dave Warburton at warburto@fau.edu.

Wednesday, April 15th
Annual Scholarship Recognition Dinner, 5:30 p.m. to 8:00 p.m. Boca Raton, Acura Club, FAU Stadium.
Florida Atlantic University Foundation will hold the 9th Annual Scholarship Recognition Dinner. The event honors our community of donors that have made a significant difference in the life of FAU by providing funding for research, new and improved facilities, increased faculty appointments and scholarships.
For questions about this event, contact Allison Jewell, Director of Development. 561-297-0007 or email: ajewell@fau.edu

April TBA
Annual Award Banquet – Hosted by the College of Science Graduate Student Association

April TBA
Distinguished Alumni Hall of Fame

May 2
Science Olympiad- Elementary