STUDENT RESEARCH COLLOQUIUM 2017

PROGRAM

Oral and poster presentations will be held at the Marine Resources Research Institute, at Fort Johnson and the Lowcountry Boil will be at the outdoor classroom (adjacent to the Marshlands House). Posters will be on display prior to the poster session in the Marine Resources Research Institute hallway, beginning Friday, 9/22 at noon. Poster presenters will attend their posters in two shifts, from 10:15am - 12:00pm (odd numbered posters) and from 2:45 – 4:15pm (even numbered posters).

SATURDAY, 23 SEPTEMBER

8:45  Introduction and Opening Remarks
Dr. Wally Bubley, Chair of the Colloquium Committee
South Carolina Department of Natural Resources

SESSION 1 – ORAL PRESENTATIONS

9:00  1.1 CHARACTERIZATION OF GROWTH ANOMALIES IN PORITES COMPRESSA USING METABOLOMICS AND TRACE ELEMENTAL ANALYSIS. Andersson, E (GPMB, The University of Charleston, SC), Stewart, J (NIST), Work, T (US Geological Survey), Woodley, C (NOAA), Anderson, P (College of Charleston), Schock, T (NIST) and Day, R (NIST)

9:15  1.2 TEMPORAL CHANGES IN SOUTH ATLANTIC OCEAN FISH BIODIVERSITY. Baker, N (GPMB, The University of Charleston, SC), McGlinn, D (College of Charleston), Ballenger, J (SCDNR), Plante, C (College of Charleston) and Strand, A (College of Charleston)

9:30  1.3 QUANTIFYING MICROPLASTICS IN THE GUT OF STRANDED COMMON BOTTLENOSE DOLPHINS (TURSIOPS TRUNCATUS) FROM SOUTH CAROLINA, USA. Battaglia, FM (GPMB, The University of Charleston, SC)

9:45  1.4 A SURVEY OF SERUM VANIN-1 CONCENTRATION ACROSS SPECIES OF DIVING MARINE MAMMALS AND TERRESTRIAL MAMMALS USING MASS SPECTROMETRY. Boxall, B (GPMB, The University of Charleston, SC), Neely, B (NIST), Van Dolah, F (NOAA), McFee, W (NOAA), Naylor, G (College of Charleston) and Janach, M (MUSC)

10:00 1.5 ESTIMATING THE AGE AND SIZE DEPENDENCY OF SPAWNING FREQUENCY IN GAG AND SCAMP GROPER OFF THE SOUTHEASTERN U.S. TO IMPROVE POPULATION MODELS. Gamboa Salazar, KR (GPMB, The University of Charleston, SC), Wyanski, DM (SCDNR), Bubley, WJ (SCDNR), Klibansky, N (NOAA) and Sancho, G (College of Charleston)

10:15 – 12:00  POSTER PRESENTATIONS. Presenters at odd-numbered posters.

12:00 – 1:00  LUNCH
SESSION 2 – ORAL PRESENTATIONS

1:15  2.1 EVERY INVASION TELLS A DIFFERENT STORY: CRYPTIC LINEAGES AND HYBRIDIZATION IN A COSMOPOLITAN MARINE INVERTEBRATE. Harper, K (GPMB, The University of Charleston, SC), Scheinberg, L (San Francisco State University), Boyer, K (San Francisco State University) and Sotka, E (College of Charleston)

1:30  2.2 DETERMINING THE ELEVATIONAL RANGE AND INUNDATION PERIOD OF THE RIBBED MUSSEL (GEUKENSIA DEMISSA) ALONG A SALINITY GRADIENT IN SOUTH CAROLINA, U.S.A. Julien, A. (GPMB, The University of Charleston, SC), A. Tweel (SCDNR), N. Hadley (SCDNR), D. McGlinn (College of Charleston), and P. Kingsley-Smith (SCDNR)

1:45  2.3 CIRRAL MORPHOLOGY, ACTIVITY, AND PARTICLE SIZE CAPTURE OF A COMMENSAL BARNACLE, CHelonibia Testudinaria, RAISED IN CAPTIVITY. Lane, Z (GPMB, The University of Charleston, SC), DiTullio, J (College of Charleston), Fair, P (NOAA), Van Dolah, F (NOAA) and Zardus, J (The Citadel)

2:00  2.4 OCCURRENCE, FATE, AND EFFECTS OF MICROPLASTICS IN THE CHARLESTON HARBOR ESTUARY, SOUTH CAROLINA. Leads, R. (GPMB, The University of Charleston, SC) and Weinstein, J. (The Citadel)

2:15  2.5 OPTIMAL FORMATION OF ACCURATE JUVENILE ABUNDANCE INDICES IN STOCK ASSESSMENTS OF SOUTH ATLANTIC FISHERIES: A CASE STUDY. Reynolds, J (GPMB, The University of Charleston, SC) and Smart, T (SCDNR)

2:30  2.6 INVESTIGATION OF THE SALINITY TOLERANCE OF THE INVASIVE ISLAND APPLE SNAIL IN SOUTH CAROLINA. Underwood, EB (GPMB, The University of Charleston, SC), Darden, TL (SCDNR), Plante, CJ (College of Charleston), Fowler, AE (George Mason Univ), Knott, DM (Poseidon Taxonomic Services, LLC) & Kingsley-Smith, PR (SCDNR)

2:45 – 4:15  POSTER PRESENTATIONS. Presenters at even-numbered posters.

KEYNOTE PRESENTATION

4:15  Introduction of Keynote Speaker
Dr. Christine Byrum, College of Charleston

4:30  Keynote Address
ORIGIN, EVOLUTION AND DEVELOPMENT OF THE CHORDATES
Dr. Billie Swalla, University of Washington

5:30  Closing remarks and award presentation
Dr. Mike Auerbach, Dean, School of Science and Mathematics

6:00  Lowcountry Boil and introduction of new students, Outdoor Classroom