QUOTES

- “Writing is an exploration. You start from nothing and learn as you go.” E. L. Doctorow
- “All good writing is swimming under water and holding your breath.” F. Scott Fitzgerald
- “There is nothing to writing. All you do is sit down at a typewriter and bleed.” Ernest Hemingway
- “I'm writing a book. I've got the page numbers done.” Steven Wright
- “Writing in a diary is a really strange experience for someone like me. Not only because I've never written anything before, but also because it seems to me that later on neither I nor anyone else will be interested in the musings of a thirteen-year-old schoolgirl.” Anne Frank
- “Writing is an act of faith, not a trick of grammar.” E. B. White
- “Writing, to me, is simply thinking through my fingers.” Isaac Asimov
- “The thing about good writing is it has a music to it.” Lauren Graham
UPCOMING DEPARTMENT MEETINGS

- None, ENAR!

KUDOS

- Congratulations to GaCTSA Pilot Grant Awardees:
  - Biostatistics, Epidemiology, & Research Design (BERD) program solicited proposals to support novel methodological research in biostatistics, epidemiology, or health economics to advance clinical and translational research.
  - **Analytic Methods to Combine Biomarkers for Cancer Detection**
    - Yijian Huang, PhD, Emory University
  - Pilot Translational & Clinical Studies (PTCS) program awarded studies which either a.) generate preliminary data and refine research strategies for subsequent extramural grant applications or b.) develop the best approaches and methodologies to address complex translational and clinical research problems. The two categories included: 1) grants that focused on translational and clinical research and 2) grants that address a translational research question which could provide insights generalizable to other projects/diseases.
  - **Innovations in Machine Learning with GIS Rotavirus data**
    - Traci Leong, PhD, Lance Waller, PhD, Emory University
    - Lilly Immergluck MD, Morehouse School of Medicine

- Congratulations to all ENAR participants, organizers, officers, and volunteers! See below for a full list of participants!
- Many thanks to all of those who helped with Visit Emory! It was great to see some SIBS alumni back and to see our SGA Reps Adair and Allyson leading the way!
INTERESTING READS (good things to “Read, read read!”)

• Interesting listen:  S+S Episode 52, "Hey, I'm working on a story and can you help me with the statistics?" is now available. Rebecca Goldin ( @rebegol ), professor of mathematics George Mason University and the Director of STATS at Sense About Science USA, discusses her statistical work collaborating with journalists.
  o To listen now, please visit www.statsandstories.net or Apple Podcasts. Please forward information about S+S and S+SS to any of your colleagues or friends who might enjoy exploring the statistics behind the stories and the stories behind the statistics.
• Interesting web site:
  o NORC Overdose Mortality Mapping tool…explore the data.
  o http://overdosemappingtool.norc.org/

TOP TEN LIST FROM ELI LILLY

• From BIOS PhD Alumna Phebe Kemmer: Craig Mallinckrodt at Lilly recently gave a talk called "Craig's List", a compilation of relevant quotes and one-liners that he collected throughout his grad school and career experiences. His full list included about 60 quotes, but he also sent out this top ten list and encouraged us to share. I thought the BIOS students might enjoy it, and it might be good BIOS Buzz material! Some of them are quite funny -- I especially like #2 :)  
  • 10. Make time to think, every day. Take a walk – outside.
  • 9. Things only become obvious after they become obvious.
  • 8. The best strategy is don’t do stupid things.
  • 7. Good judgement comes from experience, and experience comes from bad judgement.
  • 6. The days are long but the years are short.
  • 5. On your last day at work, your colleagues will not recall how many papers you authored or how many submissions you did. They will remember how you made them feel.
  • 4. If work is the most important thing in your life, you should work on your life.
  • 3. Success is a journey, not a destination.
  • 2. Don’t talk to me about averages because if you put your head in the refrigerator and your butt in the oven, on average you should be comfortable.
  • 1. The best time to plant a tree was 30 years ago. The next best time is today.
Planning to Apply for an NIGMS Established Investigator MIRA? Points to Consider

Posted by Dr. Judith Greenberg on March 9, 2018

When NIGMS issued PAR-17-094, Maximizing Investigators’ Research Award (R35), in December 2016, we opened the established investigator MIRA mechanism to all NIGMS grantees whose single-PI R01-equivalent grants were set to terminate in the same or subsequent fiscal year as the MIRA application. The purpose of this post is to remind you of important points to keep in mind if you are eligible to apply for a MIRA. Before applying, we strongly encourage you to contact your program director, who can advise you on whether MIRA is the best funding program for you and can help estimate a project budget if your application does well in peer review.

Read more

• Save the Date: NIGMS Director's Early Career Investigator Lecture, April 17, 2:00-3:00 p.m. ET
• Slides from the Predoctoral Institutional Training Grant Program in Basic Biomedical Sciences Webinar
• Reminder: Submit Input on Draft NIH Strategic Plan for Data Science by April 2
• Blog Post from NIH's Mike Lauer: FY 2017 By the Numbers
WORKSHOPS

- The Modern Modeling Methods (M³) conference is an interdisciplinary conference designed to showcase the latest modeling methods and to present research related to these methodologies. The 8th annual M³ conference will be held May 21st-24th, 2018 at the University of Connecticut. Keynote speakers for the 2018 conference include Dr. Susan Murphy (Harvard University), Dr. Tenko Raykov (Michigan State University) and Dr. Peter Molenaar (Pennsylvania State University). In addition, Susan Murphy and David Almirall will offer a day long pre-conference workshop on Just In Time Adaptive Interventions on Monday, May 21st. Tenko Raykov will offer a post-conference workshop on Item Response Theory: A Latent Variable Modeling Approach on Thursday, May 24th. Registration is now open. Please go to http://www.modeling.uconn.edu/ for more information about the conference and www.regonline.com/builder/site/... to register.

- Please remember that the deadline for submitting Invited Paper Session proposals for the ISI World Statistics Congress in Kuala Lumpur is 31 March 2018.
  - The proposals should be submitted at http://www.isi2019.org/call-for-proposal/
  - Prior to submission, please consider the following:
    - When submitting a proposal, you should indicate if your session could be related to one or more of the ISI Associations;
    - If you specify any Associations, choose a primary one and your proposal will be first reviewed by that Association under the guidance of its representative on the SPC;
    - Guidance may include valuable suggestions for the proposal and may assist considerations of the proposal;
    - If you think that your proposal does not relate to any ISI Association, choose ISI as the primary association;
    - Proposals approved by the Associations and the ISI will be reviewed by the SPC on a competitive basis;
    - Upon submission, you will be asked if you agree to have your session considered as a Special Topic Session.
  - Further details can be found at http://www.isi2019.org/call-for-proposals/
BIOS AT ENAR

- Organizational involvement (Thanks!):  
  - Howard Chang:  
    - Local Arrangements Chair  
    - Session Organizer: Session 60: 60. STATISTICAL METHODS FOR EMERGING SPATIAL AND SPATIOTEMPORAL DATA  
    - Session Chair: 95. NOVEL STATISTICAL APPROACHES FOR ESTIMATING HEALTH EFFECTS OF COMPLEX ENVIRONMENTAL EXPOSURES  
  - Ying Guo: Program Committee (ASA Section on Statistics and Imaging Representative)  
  - Kylie E. C. Ainslie: Session Organizer (Session 57: Preparing for the Job Market)  
  - Suprateek Kundu: Session Organizer 71. INTEGRATIVE ANALYSIS FOR BRAIN IMAGING STUDIES  
  - Lance Waller: Session Chair 8:30 Monday, Teaching Data Science at All Levels)  
  - Ziyi Yi: Session Chair 106. CONTRIBUTED PAPERS: BAYESIAN METHODS FOR GENETICS AND GENOMICS)  
  - Yijuan Hu: Session Chair 108. STATISTICAL METHODS FOR CANCER - OMIC DATA  
  - Renée Moore Roundtable Leader: Effective Interdisciplinary Collaborations
 BIOS AT ENAR

- PROGRAM:
  - SUNDAY
    - Posters:
      - 3j eQTL Analysis Using Human RNA-seq Data with TrecASE and RASQUAL  Vasyl Zhabotynsky*, University of North Carolina, Chapel Hill; Yi-Juan Hu, Emory University; Fei Zou, University of North Carolina, Chapel Hill; Wei Sun, Fred Hutchinson Cancer Research Center
      - 7a Impacts of Gestational Age Uncertainty in Estimating Associations between Preterm Birth and Ambient Air Pollution Benjamin E. Nealy* and Howard H. Chang, Emory University; Joshua L. Warren, Yale University; Lyndsey A. Darrow and Matthew J. Strickland, University of Nevada, Reno
      - 9d Application of Bayesian Hierarchical Models for Estimating Annual Global Burden of Influenza-Associated Hospitalization Guandong Yang*, Howard H. Chang and Mingrui Liang, Emory University; Katherine M. Roguski and Jeremy Reich, Centers for Disease Control and Prevention; Neha Patel, Emory University; Vanessa Cozza and Julia Fitzner, World Health Organization, Switzerland; Danielle A. Iuliano, Centers for Disease Control and Prevention
      - 9f Bayesian Biclustering Analysis via Adaptive Structured Shrinkage Ziyi Li*, Emory University; Changgee Chang, University of Pennsylvania; Suprateek Kundu, Emory University; Qi Long, University of Pennsylvania
      - 9i A Latent Bayesian Classification Model to Predict Kidney Obstruction based on Renography and Expert Ratings Changgee Chang*, University of Pennsylvania; Jeong Hoon Jang and Amita Manatunga, Emory University; Qi Long, University of Pennsylvania
      - 12h An Ensemble Modeling Approach for Estimating Global Burden of Influenza-Associated Hospitalizations Mingrui Liang*, Howard Chang and Guandong Yang, Emory University; Katherine Roguski, Jeremy Reich and Danielle Iuliano, Centers for Disease Control and Prevention; Neha Patel, Emory University; Vanessa Cozza and Julia Fitzner, World Health Organization
      - 13a Adaptive Bayesian Phase I Clinical Trial Design for Estimation of Maximum Tolerated Doses of Two Drugs while Fully Utilizing all Toxicity Information Yuzi Zhang*, Michael Kutner, Jeanne Kowalski and Zhengjia Chen, Emory University
      - 15a A Smooth Nonparametric Approach to Determining Cut-Points of a Continuous Scale Zhiping Qiu*, Limin Peng, Amita Manatunga and Ying Guo, Emory University
BIOS AT ENAR

MONDAY

- Session 20:
  - 10:00 Combining Satellite Imagery and Numerical Model Simulation to Estimate Ambient Air Pollution: An Ensemble Averaging Approach
    - Nancy Murray*, Howard H. Chang and Yang Liu, Emory University; Heather Holmes, University of Nevada, Reno

- Session 29: Oral Posters
  - 10:30-12:15 29h Integrative Analysis of Brain Functional Networks Based on Anatomical Knowledge
    - Ixavier A. Higgins*, Emory University

- Session 49:
  - 3:00 A Dynamic Model for Evaluation of Bias of Estimates of Influenza Vaccine Effectiveness from Observational Studies
    - Kylie E. C. Ainslie* and Michael Haber, Emory University

- Session 53:
  - 2:00 Assessing Alignment Between Functional Markers and Ordinal Outcomes Based on Broad Sense Agreement
    - Jeong Hoon Jang*, Limin Peng and Amita K. Manatunga, Emory University

- Session 55: Oral Posters
  - 55k Bayesian Joint Modeling of Multiple Brain Functional Networks
    - Joshua Lukemire* and Suprateek Kundu, Emory University; Giuseppe Pagnoni, University of Modena and Reggio Emilia; Ying Guo, Emory University

- Session 59: 5:00
    - Amanda F. Mejia*, Indiana University; Yikai Wang*, Emory University; Brian Caffo, Johns Hopkins University; Ying Guo, Emory University
BIOS AT ENAR

TUESDAY

- Session 95:
  - 4:35 Hierarchical Models for Estimating Associations Between Air Pollution and Health in Multicity Studies
    - Jenna R. Krall*, George Mason University; Howard H. Chang and Stefanie Ebelt Sarnat, Emory University
- Session 100:
  - 4:10 Distributed Learning from Multiple EHR Databases: Contextual Embedding Models for Medical Events
    - Qi Long*, University of Pennsylvania; Ziyi Li, Emory University; Xiaoqian Jiang, University of California, San Diego
- Session 102:
  - 4:30 Generalized Functional Linear Models in the Presence of Missing Data with Application to a Renal Study
    - Will Zhu*, Emory University; Qi Long, University of Pennsylvania; Amita Manatunga, Emory University

WEDNESDAY

- Session 112:
  - 8:30 Latent Source Separation for Multi-Subject Brain Networks
    - Ben Wu*, Emory University; Jian Kang, University of Michigan; Ying Guo, Emory University
- Session 112:
  - 9:15 Latent Classes of Resting-State Functional Connectivity and Their Association with Clinical Features
    - Xin Ma*, Ying Guo, Limin Peng and Amita Manatunga, Emory University
- Session 112:
  - 10:00 A Novel Hierarchical Independent Component Modeling Framework with Application to Longitudinal fMRI Study
    - Yikai Wang** and Ying Guo, Emory University
- Session 116:
  - 9:45 New Modeling of Recurrent Events Data Subject to Terminal Events
    - Bo Wei* and Limin Peng, Emory University; Zhumin Zhang and Huichuan Lai, University of Wisconsin, Madison
- Session 118:
  - 9:30 Penalized Latent Dirichlet Allocation Model in Single Cell RNA Sequencing
    - Xiaotian Wu* and Zhijin Wu, Brown University; Hao Wu, Emory University
- Session 121:
  - 10:30 Fostering Collaboration between Biostatistics, Bioinformatics, and Biomedical Informatics
    - Lance A. Waller*, Emory University
BIOS AT ENAR

WEDNESDAY (continued!)

- Session 122:
  - 10:30 Statistical Modeling of Brain Connectivity using Multimodal Neuroimaging
    - Ying Guo* and Yingtian Hu, Emory University
- Session 127:
  - 10:30 A Method for Mitigating the Adverse Impact of Batch Effects in Sample Pattern Detection
    - Teng Fei*, Emory University; Tengjiao Zhang and Weiyang Shi, Tongji University; Tianwei Yu, Emory University
CARTOONS SOURCES:

- https://i.pinimg.com/originals/8d/80/e8/8d80e831766f2cea12e7c451cde23b83.jpg