QUOTES

- “Calm mind brings inner strength and self-confidence, so that’s very important for good health.” Dalai Lama

- “I believe that the greatest gift you can give your family and the world is a healthy you.” Joyce Meyer
  “A healthy attitude is contagious but don’t wait to catch it from others. Be a carrier.” Tom Stoppard

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UPCOMING DEPARTMENT MEETINGS

- Department Meeting, Feb 13, 12-1, Rita Anne Rollins
  - Draft Agenda:
    - Chair Search Update
    - ASA Statement on Collaborative Research
    - Exam Committee
    - Applied Practical Experience
    - Faculty Planning Retreat
    - Recruitment
    - Birthdays
    - Anything else?

INTERESTING READS (good things to “Read, read read!”)

- Big data in the Nell Hodgins Woodruff School of Nursing
- The Bureau of Labor Statistics has added “Data Scientist” as a job category to the Standard Occupational Classification System for the first time in 2018. This means a) we now have a standard definition of what such a position entails, and b) starting with the 2020 Census, we will have data on how many data scientists there actually are in the U.S. Here is the description:
  - **15-2051 Data Scientists** Develop and implement a set of techniques or analytics applications to transform raw data into meaningful information using data-oriented programming languages and visualization software. Apply data mining, data modeling, natural language processing, and machine learning to extract and analyze information from large structured and unstructured datasets. Visualize, interpret, and report data findings. May create dynamic data reports. Excludes “Statisticians” (15-2041), “Cartographers and Photogrammetrists” (17-1021), and “Health Information Technologists and Medical Registrars” (29-9021). Illustrative examples: Business Intelligence Developer, Data Analytics Specialist, Data Mining Analyst, Data Visualization Developer
NIH NEWS

• Having Challenges Tracking Down Students and Postdocs at the Time of the RPPR? Here is a Tip to Make It Easier…

INTERNSHIPS

• A very interesting internship opportunity on epidemiology in marine mammals. Dr. Adam Schaefer MPH, is an epidemiologist at Florida Atlantic University and has several ongoing projects that would benefit from biostatistical support…see the URLs below for specifics, but he has other projects that could serve well as Practica or thesis projects for interested MPH/MSPH students.
  o See http://www.fau.edu/hboi/education/internship.php for details on a summer internship (due in March) and http://www.fau.edu/hboi/marine_mammals/epidemiology.php for details on Dr Schaefer’s work
  o Contact Lance for more information!
Registration and Abstract Submission now OPEN for BAYES 2018: Bayesian Biostatistics Workshop: Satellite of ISBA 2018
- 20th – 22nd June 2018 @ Homerton College, Cambridge, UK
- www.bayes-pharma.org
- Overview
  - Bayesian statistics is increasingly taking on a leading role in all areas of biomedical research, continually challenged by emerging questions in clinical medicine and public health.
  - This workshop will bring together scientists interested in the latest applications and methodological developments of Bayesian Biostatistics in trial designs, addressing the need for more efficient and flexible approaches to answer key clinical questions; and in the analysis of complex observational data, to enhance causal understanding of disease processes in support of personalised clinical care and public health policies.
  - The objective of the workshop is multifold:
    - Promote Bayesian thinking and practice in biomedical sciences
    - Present applied case studies in clinical and non-clinical settings
    - Update delegates on new applications and methodological developments in Bayesian statistics in different areas of medicine and public health
    - Offer opportunities for statisticians for reorientation within the changing environment of the bio-pharmaceutical world
  - The three day workshop will comprise of one day training course on Bayesian approaches to incorporate historical data into clinical trials, and two days of keynote talks and contributed oral and poster presentations.
- Keynote Speakers
  - Professor Deborah Ashby – Imperial College London
  - Professor Mike Daniels – University of Florida
  - Professor Jack Lee – University of Texas
  - Professor Mihaela van der Schaar – Man Institute of Quantitative Finance, Oxford
- Abstract Submissions: We welcome abstract submissions for contributed oral presentations and posters on the following themes:
  - Adaptive trials
  - Bayesian approaches to bias modelling and causal inference
  - Decision support for health policy and clinical care
  - Bayesian contributions to regulatory setting
- Please submit your abstract to: bayes-biostats2018@mrc-bsu.cam.ac.uk
- Deadline for abstract submissions: 31st March 2018
- Registration
  - Deadline for registering: 15th April 2018
- This workshop is endorsed by ISBA, Adolphe Quetelet Society, and Royal Statistical Society, supported by Department of Mathematics, UCLM, and jointly organised by the MRC Biostatistics Unit, University of Cambridge, University College London, Pharmalex (Arlenda), GlaxoSmithKline and University of Zurich.
**JOB OPENINGS**

- **Australia:** The ANU Research School of Finance, Actuarial Studies and Statistics (RSFAS) comprises a dynamic team of academics focused on achieving excellence in research and teaching. The School is currently seeking to appoint a Postdoctoral fellow (Academic Level A4) in the field of Interdisciplinary Statistical Science.
  - The successful candidate will be a recent PhD graduate in Statistics or a related field looking to further develop their research potential with leading academics. As well as advancing their own research agenda, the successful candidate will be involved 50% in a large, externally funded cross-disciplinary research project modelling the complex relations among environmental, financial, and well-being outcomes of sustainable farming practices in rural Australia.
    - **Classification:** Academic Level A
    - **Salary package:** $68,307 - $86,646 per annum plus up to 17% Superannuation
    - **Terms:** Fixed term contract, 3 years
    - **Applications close:** 04 Mar 2018 11:55:00 PM AUS Eastern Daylight Time
    - **Full details at** jobs.anu.edu.au/cw/en/job/518450/...
    - **Enquiries:** Dr Anton Westveld, anton.westveld@anu.edu.au

- **Dexcom:**

  **About Dexcom:**
  Founded in 1999, Dexcom, Inc. provides continuous glucose monitoring technology to help patients and their clinicians better manage diabetes. Since our inception, we have focused on better outcomes for patients, caregivers, and clinicians by delivering solutions for people with diabetes - while empowering our community to take control of diabetes.

  **Position Title:** Manager, Biostatistics

  **Summary**

  Department of Biostatistics provides support for clinical study development (R&D, Clinical and Medical Affairs) and other functional groups such as Operations, Manufacturing, and Marketing; responsible for forming sound study design, implement valid statistical methods, and provide appropriate interpretations.

  Biostatistics Manager is responsible for implementation of statistical services for the company's clinical trial programs, which include scientific collaboration and input for publication planning and clinical/regulatory strategy development associated with company's regulatory submissions and meetings; oversees a team of biostatisticians and statistical analysts; lead effort in statistical aspects for scientific publications and presentations as well as conduct and interpret simple to complex statistical data analysis and present scientific findings.
JOB OPENINGS

Dexcom (cont'd)

Essential Duties and Responsibility

- The incumbent will be responsible for planning, organizing, coordinating, and reviewing activities of biostatisticians and statistical programmers working on assigned projects.

- The incumbent will coordinate activities with employees in the team to ensure timeliness and quality of project deliverables and keep manager apprised of project status and notifies manager when work requests are out-of-scope.

- The incumbent will manage technical and administrative programs at various levels in the team as directed and consistent with the department's standards.

- The incumbent will provide leadership to team members of Biostatistics as directed and consistent with the department's standards.

- The incumbent will provide expert opinion to both statistician and non-statistician colleagues as directed and consistent with the department's standards.

- The incumbent may conduct the statistical activities for all clinical trials, including but not limited to study design and statistical analysis plans including statistical methods sections of protocols and sample size justifications.

- The incumbent may conduct statistical analysis activities for documents submitted to regulatory agencies (US FDA and EU Commission), such as, but not limited to, IDEs, PMAs, 510ks, or any supplemental submissions created.

- The incumbent may provide statistical support for Dexcom studies involved in publications (e.g., scientific abstracts/posters, presentations, and manuscripts) and all stages of product development.

- The incumbent may participate in operations meetings, address issues and represent the biostatistics team at internal team meetings, with contract organizations, and regulatory agencies, when necessary.

- Additional duties may include statistical consultation to R&D, manufacturing, and marketing, and validation of statistical analyses macro/programs.

- Assumes and performs other duties as assigned.

SUPERVISORY RESPONSIBILITIES

Supervises statistical analysts and biostatisticians. Carries out supervisory responsibilities in accordance with the organization's policies and applicable laws. Responsible for the overall direction, coordination, and evaluation of this area.
JOB OPENINGS

Dexcom (cont’d)

QUALIFICATIONS

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

EDUCATION and EXPERIENCE

Master’s degree (or equivalent) or higher in Biostatistics or related field is required (PhD is preferred). Minimum of 5 years post-degree of related experiences in clinical and non-clinical data environments, biomedical industry experiences is required. PhD with at least 1 year or MS with at least 3 years of management experience post-degree is required.

A working knowledge of SAS and other strong statistical analysis software are required.

Position Title: Biostatistician

SUMMARY

Responsible for creating, reviewing, and maintaining statistical analysis plans, including sample size calculation as well as lead comprehensive data mining efforts. These duties will be performed primarily in support of all clinical studies and regulatory submissions. Will lead effort in statistical aspects for scientific publications and presentations as well as conduct and interpret simple to complex statistical data analysis and present scientific findings.
JOB OPENINGS

ESSENTIAL DUTIES AND RESPONSIBILITIES

- The incumbent will conduct the statistical analysis activities for all clinical trials, including but not limited to study design, statistical analysis plan, statistical programming, generate report (create tables, figures and listings, provide interpretations of the results, address limitations in study design and/or statistical method).
- The incumbent will perform statistical analysis for and regulatory documents submitted to regulatory agencies (US FDA and EU Commission), such as, but not limited to, IDEs, PMAs, 510ks or any supplemental submissions created.
- The incumbent will participate in operations meetings, address issues and represent the biostatistics unit at internal team meetings, with contract organizations and regulatory agencies, when necessary.
- The incumbent will conduct statistical analyses and discussions for all abstracts and manuscripts created from clinical trial data and draft analyses findings and reports.
- Additional duties will include statistical consultation to R&D, manufacturing, and marketing when necessary, review of CRF and data base structures, senior review of database locks and validation of statistical analyses macro/programs.
- Assumes and performs other duties as assigned.

SUPERVISORY RESPONSIBILITIES

This job has no supervisory responsibilities.

QUALIFICATIONS

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

EDUCATION and/or EXPERIENCE

Minimum of Master's degree (or equivalent) from in Biostatistics, Bioinformatics or related field is required; PhD degree is preferred. Education/experience in Bioinformatics is highly valued. At least 3 years of experience (or combination of education and experience) in statistical analysis in clinical environments and biomedical industry are preferred.

A working knowledge of SAS and strong statistical analysis skills are required. Knowledge in R, Python, or any other computer language skill is highly valued. Must be able to work with minimal oversight and work as a member of a project team.

If you are interested in either position, please apply at careers.dexcom.com/c/clinical-affairs-jobs
CARTOONS SOURCES:

- https://cdn.andertoons.com/img/toons/cartoon4725.png
- https://cdn.andertoons.com/img/toons/cartoon6529.png
- https://cdn.andertoons.com/img/toons/cartoon6620.png
- https://imgs.xkcd.com/comics/stove_ownership.png

“Blood pressure’s fine, reflexes are normal, and your cholesterol is sky high. You’re the picture of health.”

“Tests are back – spoiler – you’re contagious.”

“You’ll feel a little pinch, then another pinch, and then a few more because I’m pretty bad at this.”

"Sit down, Roger! You’re creating drag!"