1. Announcements & Reminders

• Construction in the DCM&B suite

Many of you have noticed construction in and around the DCM&B suite. What’s going on? The office is still open 8:00 a.m. - 5:00 p.m., however many offices are getting restructured, with 2 new offices added. Please note that while construction continues, the conference room is unavailable. Speak with office staff to reserve another conference rm. or a boardroom in the Palmer Commons Bldg. Construction should be complete by mid-January.

• Need permission to register for a class in another unit? Here’s what you need to know:

Contact the instructor if you need permission for a class. They will contact the office staff in their unit to coordinate permission. If classes are cross-listed, only one unit is able to grant permission — just ask who to contact to obtain permission.

• Preparing for next term? Here’s what you need to know:

Master’s students and pre-candidates should meet with either MS Guidance Advisors or the Program Directors to discuss academic plans, including rotation research options.

BIOINF 995: Ph.D. candidates must register for BIOINF 995. No permission is required; this course is automatically 8 cr. hrs.

BIOINF 990: Ph.D. pre-candidates (not in PiBS) are expected to register for BIOINF 990. Permission is required; the number of credit hours is determined between you and the faculty mentor. Please e-mail Julia in the Graduate Office to obtain permission.

BIOINF 599: Master’s students who wish to register for research credit (BIOINF 599), must communicate with the Master’s Guidance Advisors, Jeff de Wet and Kayvan Najarian. Once finalized, please e-mail Julia in the Graduate Office to obtain permission. The number of credit hours is determined between you and the faculty mentor; a maximum of 6 cr. hrs. count towards the MS degree.

• Applying for a fellowship? Some tips:

F31 grant:

If applying for an F31, there is a UM review process before submitting. Have your application complete 10 working days prior to the deadline.

Rackham grants and awards:

Please note if the award is something you apply for directly, or if you must be nominated by the Program Directors. Any self-nominations for awards that are to come from the Program will be voided.

“It is odd to think that there is a word for something which, strictly speaking, does not exist, namely, ‘rest’. We distinguish between living and dead matter; between moving bodies and bodies at rest. This is a primitive point of view. What seems dead, a stone or the proverbial ‘door-nail’, say, is actually forever in motion. We have merely become accustomed to judge by outward appearances; by the deceptive impressions we get through our senses. “

— Max Born, German-British physicist (born 11 Dec 1882).
2. Workshops + Seminars

- **Bioinformatics Ph.D. Thesis Defense Seminar:** *High-throughput bioinformatics approaches to understand gene expression regulation in head and neck tumors*
  Presenter: Yanxiao Zhang, Ph.D. Candidate
  Wednesday, January 13
  10:00 a.m.
  Earl Lewis Rm., Rackham Bldg.
  Adviser: Maureen Sartor

- **Bioinformatics Ph.D. Thesis Defense Seminar:** *Computational Framework for Data-Independent Acquisition Proteomics*
  Presenter: Chih-Chiang Tsou, Ph.D. Candidate
  Friday, January 15
  2:00 p.m.
  Great Lakes South, Palmer Commons Bldg.
  Adviser: Alexey Nesvizhskii

- **Weekly MIDAS Seminar:** *Social Physics: Harnessing Big Data and Machine Learning in Support of Human Goals*
  Presenter: Alex “Sandy” Pentland, Ph.D., MIT
  Fri., Dec. 11
  4:00 p.m. - 5:30 p.m.
  Rackham Amphitheater
  For an abstract and additional details, visit here:

3. Fellowships, Grants, and Awards

- **Lane Fellows Program: Carnegie Mellon University**
  Recent graduates and postdocs are encouraged to apply to the Lane Fellows Program in the Carnegie Mellon University Computational Biology Dept. Please visit the website for details.
  The application deadline is March 15, 2016.

4. Other Useful Information

- **GradTONES Fall concert**
  Sun., Dec. 13
  5:00 p.m.
  Ballroom, Michigan League Bldg.
  All are welcome and admission is completely FREE, so bring along your friends, family, colleagues, advisors, etc. Additional information can be found on Facebook.

- **International Society for Evolution, Medicine, and Public Health Annual Meeting**
  The second annual meeting of the International Society for Evolution, Medicine and Public Health will take place from June 22-25, 2016 in Durham, North Carolina, thanks to host Charles Nunn and the Triangle Center for Evolutionary Medicine. Hundreds of scientists, students and health professionals will attend including six invited plenary speakers: Andrea Graham (Princeton University), Carl Zimmer (New York Times), Helen Ball (Durham University, UK), Joshua Schiffman (University of Utah), Marion Koopmans (Erasmus University) and Martin Blaser (New York University).
  Full information about registration and abstract submission is at [http://evolutionarymedicine.org/ismeph2016/](http://evolutionarymedicine.org/ismeph2016/)
  Abstract submission and early registration deadline: Jan. 30, 2016
5. Job Opportunities

• **Master’s student wanted: bioinformatics analyses on mRNA-seq and ChIP-seq data**

The Mueller Lab, in the Department of Human Genetics, is seeking a Master’s Student to perform bioinformatics analyses on mRNA-seq and ChIP-seq data. The student should have some experience analyzing next-generation sequencing data, using programs such as Bowtie (Tophat), Cufflinks, DEseq, and R. The student will examine expression profiles of genes involved in testis and ovary development via differential expression across a developmental time course and from specific sorted cell populations. The student will have the opportunity to work closely with Dr. Mueller throughout the analyses and be a member of a lab that balances both wet and dry lab experiments. The position will be for the winter semester for credit or hourly pay and extension into the following academic year.

Please contact Dr. Mueller (jacobmu@umich.edu) to apply.

• **Staff positions at Genomics plc**

Information about the company and contact details can be found at [www.genomicsplc.com](http://www.genomicsplc.com). The are currently seeking individuals working in statistical genetics and bioinformatics. Listings can also be found here: [http://www.nature.com/naturejobs/science/jobs/558183-statistical-geneticists-and-bioinformaticians](http://www.nature.com/naturejobs/science/jobs/558183-statistical-geneticists-and-bioinformaticians) and [http://www.nature.com/naturejobs/science/jobs/558185-leadership-roles-in-statistical-genetics-and-bioinformatics](http://www.nature.com/naturejobs/science/jobs/558185-leadership-roles-in-statistical-genetics-and-bioinformatics)

• **Postdoc positions in computational genomics: Carnegie Mellon University**

The Computational Biology Dept. at Carnegie Mellon University seeks postdocs with a focus on computational genomics. Details and application information can be found [here](http://www.nature.com/naturejobs/science/jobs/558183-statistical-geneticists-and-bioinformaticians).

• **Research Area Specialist Intermediate, Division of Gastroenterology, University of Michigan**

**Responsibilities**

The Department of Internal Medicine, Division of Gastroenterology, invites applications for a staff scientist to work on genetic epidemiology projects related to obesity, liver disease, and cardiovascular disease. Work will involve leading analyses related to human genetic data from genotyping and next generation sequencing platforms at the genome wide level. Work with involve integration of genomic data with expression, metabolomics, and regulatory motif data.

**Qualifications:**

A strong quantitative background with a degree in Biostatistics, Genetics, Epidemiology, Computer Programming or a related discipline is required. Knowledge of statistics, programming, and human genetics with experience with statistical software and management of large datasets is desirable. Familiarity with a Unix/Linux environment is a must. A strong work ethic, the ability to work independently combined with willingness to work in a highly interactive and collegial group is needed. Excellent written and oral communication skills is beneficial as is post-doctoral training and other professional experience. This is an opportunity to work in a challenging and rewarding research area that constantly poses new scientific and statistical problems.

**To apply:** Applicants should email/send resume, academic transcripts (if graduated within the last 5 years), and at least three letters of reference to: Elizabeth Speliotes M.D., Ph.D., M.P.H., c/o Jeff Cole 6520E MSRB I, SPC 56822 1150 West Medical Center Drive, Ann Arbor, MI 48109-56822, email: jcole@med.umich.edu. Applicant review will begin immediately and continue until the positions are filled. The University of Michigan is an equal opportunity/affirmative action employer. Women and minorities are encouraged to apply.
• **Postdoctoral Fellow, Division of Gastroenterology, University of Michigan**

The Department of Internal Medicine, Division of Gastroenterology, invites applications for a post-doctoral fellow to work on genetic epidemiology projects related to obesity, liver disease, and cardiovascular disease. Work will involve leading analyses related to human genetic data from genotyping and next generation sequencing platforms at the genome wide level. Work will involve integration of genomic data with expression, metabolomics, and regulatory motif data.

**Qualifications** include a PhD degree in Biostatistics, Genetics, Epidemiology, Computer Programming or a related discipline; knowledge of statistics, programming, and human genetics as well as experience with statistical software and management of large datasets is highly desirable. Familiarity with a Unix/Linux environment is a must. The ability to work independently combined with willingness to work in a highly interactive and collegial group is helpful as are excellent written and oral communication skills. This is an opportunity to work in a challenging and rewarding research area that constantly poses new scientific and statistical problems.

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• **2 Postdoc positions: University of Cambridge Metabolic Research Laboratories**

Two high calibre postdocs with experience in human genetics who are either interested in genomics/computational biology or in classical rare disease genetics, interpretation of exome/genome sequencing are available.

Inquires should be sent to Dr. Farooqi.

Prof. Sadaf Farooqi PhD, FRCP, FMedSci
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**GOOS website:** [www.goos.org.uk](http://www.goos.org.uk)