1. Announcements & Reminders

• **ELI conversation circles for international students**
Are you interested in practicing informal English conversation with native speakers of English, catching up on current English idioms and slang, making new friends and having fun?
If yes, then the English Language Institute’s Conversation Circles program is for you!
Conversation Circles are weekly, one-hour meetings. Each Circle is led by a volunteer facilitator who is a native or near-native speaker of English and is affiliated with the University of Michigan.
You can choose from many Conversation Circles that meet at all times throughout the week, including weekends. Each Circle is limited to a maximum of six members, so you will have lots of opportunities to practice English!
**Registration:** February 1 – 11
**Conversation Circles run for ten weeks:** February 8 – April 17
You can see a schedule of all Conversation Circles offered this term and sign up [HERE](http://circles.english.lsa.umich.edu/)
1) You must be affiliated with the University of Michigan to join a Conversation Circle.
2) You may sign up for TWO Conversation Circles.
3) Registration runs February 1 – 11. Sign up early to get your preferred time and day!
**For information:** email us at CircleUp-Questions@umich.edu

• **REMINDER: Ph.D. candidates are expected to have committee meetings every 6 - 9 months**
This is a recent change of policy, so please review when your last committee meeting was.
The Graduate Office and Directors can also follow up individually as needed, but you should plan with your committee accordingly. For those who recently passed the preliminary exam: you are also expected to have your first committee meeting within 6 - 9 months of advancement.

• **Submitting a paper? Here’s what you need to cite.**
Graduate students: University of Michigan Bioinformatics Graduate Program (not DCM&B)
On a training grant?
Your training grant must be acknowledged in all publications referencing research while appointed. Also, all publications should be submitted to PubMed Central in accordance with the NIH requirements. If you are funded on the Training Program in Bioinformatics, the grant number is T32 GM070499. If you are funded on the Advanced Proteome Informatics of Cancer Training Program, the grant number is T32 CA140044.

2. Workshops + Seminars

• **Women in Science and Engineering (WISE) Planetarium Dinner and Show**
Feb. 10, 5:30 p.m. - 7:00 p.m.
Registration required: [http://ttc.iss.lsa.umich.edu/undergrad/sessions/wiseplanetarium021016/](http://ttc.iss.lsa.umich.edu/undergrad/sessions/wiseplanetarium021016/)
Dinner will be available from 5:30-6pm in room 4518 with the planetarium show from 6:15pm-7pm.
Doors will be locked. Please arrive by 5:30pm.

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If we all did the things we are capable of doing, we would literally astound ourselves.

Thomas A. Edison (1847 - 1931)
Meet other students from science and engineering disciplines and relax and learn about the winter night sky. The Planetarium’s has a state-of-the-art digital, all-dome projection system and engaging shows.

**Center for Single Molecule Analysis in Real-Time (SMART) at UM**
The U-M Single Molecule Analysis in Real-Time (SMART) Center provides low-cost access to the most sensitive shared-use optical microscopes on campus, including single molecule sensitivity fluorescence imaging and tracking, fluorescence lifetime confocal imaging, and optical tweezers. We also offer free consultation hours to U-M researchers to discuss applications of leading-edge single molecule techniques in their fields of study and/or provide support in experimental design and analysis. Open consultation hours for the Winter term will be offered Mondays and Thursdays from 10 A.M. to noon in 3080 Chemistry. UM SMART also offers on-site information sessions: they can arrange to visit your group and give a brief presentation detailing capabilities and discuss how they may be applied to your research.

For more information, please see our website at [singlemolecule.lsa.umich.edu](http://singlemolecule.lsa.umich.edu) or contact the addresses below.

Nils G. Walter                      Damon Hoff  
SMART Center Director              SMART Center Manager  
Professor of Chemistry              hoffjl@umich.edu  
nwalter@umich.edu                   

**Python and Hadoop Training sessions**
CSCAR is sponsoring a Data Science Skills Series focusing on Python every Wednesday afternoon from 3:30 - 5 p.m. starting Jan. 27. For a list of topics, dates, and workshop material, see [http://kshedden.github.io/ds_skills_series.html](http://kshedden.github.io/ds_skills_series.html). No registration is necessary.

ARC-TS is holding a workshop on Hadoop on **Wednesday, Feb. 17**. For more information and registration see [arc-ts.umich.edu/hadoop-workshop](http://arc-ts.umich.edu/hadoop-workshop). Space is limited so registration is required.

**University of Michigan Serial Innovator Camp - Hosted by Procter & Gamble, Microsoft and Intel**
This unique half-day session brings together students from diverse scientific disciplines who share a common passion for innovation for a half-day of immersion in industrial innovation techniques and challenges. A crucial part of this experience will be the opportunity for close collaboration with several of industry’s most successful and experienced innovators in a small-group setting. Together, you will examine a range of problem definition and solving techniques and put them into practice on a challenging real-world problem. You will gain new capability that can be applied to your current academic work and learn what it takes to be a successful innovator in industry.

This Serial Innovator experience offers:

- Enhanced creative problem solving skills and tools
- Understanding of the mindset required to lead innovation from idea to market
- Opportunity to interact with and be inspired by industrial innovator role models

Serial Innovator Application: [https://umich.qualtrics.com/SE/?SID=SV_aWxKtjpk3aufhlz](https://umich.qualtrics.com/SE/?SID=SV_aWxKtjpk3aufhlz)

**Application Deadline:** February 14

Two sessions are being offered on March 8 & 9 (see registration for details on times offered). This workshop has limited capacity and the facilitators from Procter & Gamble, Intel and Microsoft will screen applications and invite selected applicants to attend.

Co-hosted by Rackham Graduate School and the Engineering Career Resource Center along with Procter & Gamble, Microsoft and Intel. Please contact Paula Wishart, pwishart@umich.edu with questions.
3. Fellowships, Grants, and Awards

• **Rackham Graduate Student Research Grant**
  The Rackham Graduate Student Research Grant is designed to support Rackham graduate students who need assistance to carry out research that advances their progress toward their degree.
  Graduate students are eligible to apply for a Rackham Graduate Student Research Grant if:
  * The graduate student is in good academic standing in a Rackham degree granting program
  * The proposed research project or activity directly relates to and helps achieve progress towards his or her degree.
  A master's student is eligible for one Rackham Graduate Student Research Grant during his or her graduate program. A doctoral student is eligible for two Rackham Graduate Student Research Grants during his or her graduate program, one before candidacy and one as a candidate. Students who receive a master’s award will not be eligible for a Precandidate award.
  For more information and application link, go here: [http://www.rackham.umich.edu/funding/research-grant](http://www.rackham.umich.edu/funding/research-grant)

• **Spring/Summer Research Grants Program**
  This program was created to enable faculty members to collaborate with doctoral students on research and scholarly projects during the Spring/Summer term. In addition, this program provides financial support and tasks of intellectual and professional benefit to participating doctoral students.
  For more information and the application link, go here: [http://www.rackham.umich.edu/faculty-staff/awards/faculty-and-graduate-program-funding/spring-summer-research-grants](http://www.rackham.umich.edu/faculty-staff/awards/faculty-and-graduate-program-funding/spring-summer-research-grants)

• **Rackham Graduate Student Emergency Funds**
  The Rackham Graduate Student Emergency Fund is intended to help meet the financial needs of Rackham graduate students who encounter an emergency situation or one-time, unusual, or unforeseen expenses during their degree program. For more information and an application link, go here: [http://www.rackham.umich.edu/funding/emergency-funds](http://www.rackham.umich.edu/funding/emergency-funds)

4. Other Useful Information

• **Ph.D. & Master’s Virtual Career Fair**
  Students, Post-Docs, and Alumni Invited to Attend - Meet Recruiters Live Online
  **March 2**
  **Registration:**
  [https://www.careereco.com/Fair/EventDetails?fairId=ccdbb01d-2d75-4cfd-aa82-a555012722b9](https://www.careereco.com/Fair/EventDetails?fairId=ccdbb01d-2d75-4cfd-aa82-a555012722b9)
  A list of frequently asked questions can be found here:
  [https://www.careereco.com/Fair/RenderPage?fairPageId=26ac141c-4e08-46d0-aceb-a59201158e70](https://www.careereco.com/Fair/RenderPage?fairPageId=26ac141c-4e08-46d0-aceb-a59201158e70)
  Sponsored by the Graduate Career Consortium

5. Job Opportunities

• **Postdoctoral Research Scientist, G.H. Sergievsky Center, Columbia University**
  We are seeking a highly motivated candidate with a background in Bioinformatics, Computer Science and Statistical Genetics for a post-doctoral position within an independent research group in the Gertrude H Sergievsky Center at Columbia University Medical Campus. The research in our laboratory focuses on Alzheimer’s Disease, neuro-degenerative diseases and healthy-aging related phenotypes. This position will be focused on the advanced bioinformatics and statistical analysis of Next-Generation sequencing data. The successful candidate will be responsible for the programming, data processing, and statistical analysis of next generation sequencing, genetic, and other data generated by projects aimed at understanding the genetic basis of complex neuro-degenerative diseases. The successful applicant will be expected to learn and develop analytical techniques as required by the research project. The successful applicant will be expected to participate in manuscript preparation and writing. The successful applicant will need great communication skills and the ability to function well as part of a team working on these projects.
Job Requirements:
Ph.D. in Bioinformatics, Computer Science, Statistical Genetics, or a related field is required
Experience using bioinformatics to analyze high-throughput genetic and genomic data
Experience running statistical tests on next-generation sequencing data particularly in family-based study design
Shell scripting and experience working in UNIX and LINUX environments, particularly with large text files and genomic information
Experience working and programming in Windows and Linux environments
Familiarity and working knowledge with standard bioinformatics tools, packages, algorithms, and databases
Familiarity with statistical analysis methods and tools for bioinformatics
Excellent written and verbal communication
Effective judgment and problem solving with little supervision is imperative for this position
For inquiries or to apply, contact Jenny Lee (jil2209@cumc.columbia.edu).

• Programmer, Univ. of Michigan
Programmer wanted. Full or part time to work on existing code for analysis of proteomics data from mass spectrometry. Must have solid programming skills in Java. C++, Perl, Python experience desirable but not required. Experience with proteomics analysis and/or mass spectrometry also desirable.
Contact Philip Andrews (andrewsp@umich.edu).

• Research Lab Specialist Intermediate, Dept. of Pediatric Nephrology, Univ. of Michigan
We are seeking a highly skilled and enthusiastic computational analyst/bioinformatician to work at the intersection of cutting-edge genomics, transcriptomics and systems biology of kidney disease with a highly motivated and energetic team. The applicant will make original contributions to a diverse set of scientific projects that seek to understand the molecular pathogenesis of glomerular disease using human-based next-generation DNA and RNA sequencing data and clinical information. The applicant will work with a multidisciplinary research team made up of nephrologists, computational geneticists, genetic epidemiologists, bioinformaticians, and wet-bench researchers.
Further details and application links can be found at http://umjobs.org/job_detail/118978/research_lab_specialist_inter

• Data Scientist Postion, Trinity Health Information Services
Detailed information can be found here; https://www.healthcaresource.com/thregion2/index.cfm?fuseaction=search.jobDetails&template=dsp_job_details.cfm&cJobId=100019337
You are also welcome to contact Bioinformatics alumni member, Kraig Stevenson.

• Bioinformatics Scientist, Swift Biosciences
We’re looking for a programmer or biologist with some experience using the command line on Unix-based operating systems. You should be comfortable using some of the basic Unix command line tools such as awk, sed, and similar standard Unix utilities, as well as basic file handling and system administration. Responsibilities will include analysis of NGS data using established workflows (Bash scripts) and other command line tools, organizing results, and creating summary reports of analysis results. This position will be a great opportunity to gain experience in NGS data analysis and to strengthen basic bash programming and Unix system administration skills, as well as develop skills using other scripting languages such as Python, R, and Perl. Important skills include the ability to communicate clearly and efficiently, including good verbal, written, and presentation communication skills, as well as a general willingness to learn new things.
Requirements:
BS or MS in STEM fields. Experience with Linux and the command line; html coding or report formatting; and a general willingness to learn. A basic understanding of molecular biology or genetics is a plus. Start-up or mid-biotech industry experience is also a plus.

More information can be found here: http://www.swiftbiosci.com/company/careers

• Postdoctoral Scientist, Computational Chemistry, Johnson & Johnson
Janssen Research & Development, L.L.C., a Johnson and Johnson Company is hiring. The group leader is a Michigan alum, you can contact Prof. Freddolino if you’d like an introduction! Details and application information can be found here: http://bit.ly/1JYoLa8.