Presents
# 2017 Summer Bioinformatics Intensive Internship

**Where:**    The National Center for Genome Resources, Santa Fe, NM

**When:**   June 19 thru August 4, 2017
Begins with 2 weeks of instruction followed by 5 weeks of hands-on projects including a presentation of your work.  Students can apply for the 2-week session only or the entire 7 weeks (indicate on application).

**Who:**    This program is geared towards undergraduate and graduate biology students who have minimal or no bioinformatics experience.

**Topics covered:**
- Variant Detection
- Gene Expression Analysis
- Pathway Analysis
- Genome and Transcriptome Assembly Methods
- Annotation
- UNIX and running command line based algorithms and tools
- Next Generation Sequencing (NGS) Technologies and wet lab overview
- New applications and more!

**Application deadline**: 11:59pm MST Sunday, May 7, 2017 (space is limited)

**Sponsored by:**
New Mexico IDeA Network for Biomedical Research Excellence (NM-INBRE).

**Application terms and conditions:**
- Space is limited and acceptance into the internship is competitive based on who is a good candidate and will benefit most from the program.
- This course requires a strong commitment to attendance.  Interns who attend a minimum of 90% of the course will receive a Certificate of Completion.
- We ask interns attend the next New Mexico BioInformatics, Science and Technology (NMBIST) Symposium (NMBIST 2018).   Mandatory for New Mexico students.
- Students must supply their own laptop computer in order to attend.
- By completing the application below, you agree to the terms and conditions listed above.
    1. Name
    2. Gender
    3. School/Affiliation
    4. Current year of study and estimated graduation date
    5. Advisor's name
    6. Is your advisor affiliated with INBRE/COBRE/RCMI?
    7. Do you have a dataset you want to analyze? If so, please describe (e.g. 10 samples of 2x50 Illumina reads approximately 20M reads each).
    8. What type of analysis are you interested in? Gene expression? Mutation analysis? sRNA expression analysis, etc?
    9. What are your academic and career goals?

10. Please indicate which sessions you would like to attend when applying.
    Option 1) 2-week instructional course/workshop (June 19 - June 30)
    Option 2) 7-weeks: 2-wk instructional course/workshop + 5-wk project mentorship (June 19 - August 4)

Please include separate attachments of the following:
1. Letter of recommendation from your advisor/mentor/PI describing why you are a good candidate for the course.
2. Your CV or resume (please include contact information: a permanent mailing address, best phone number, email)

*NM-INBRE (first preference), INBRE, COBRE and RCMI affiliates who need assistance with expenses may apply for a competitive travel/lodging scholarship. **Please indicate on your application if you are interested.**

For questions and to submit your application email Lisana Chávez, Program Associate at
lchavez@ncgr.org

**IF SELECTED**

➢ **Prerequisite**
The program requires some knowledge of UNIX. Use the link below to enroll in this free, self-paced course.
Introduction to Linux
Step 1: Register (free)
Step 2: Click on the Search box for Introduction to Linux (by LinuxFoundationX)
Step 3: Enroll (free) and start learning!
Step 4: We will provide a simple test for you to take to ensure you took the course.

➢ **Introduce yourself**
Interns should prepare to give an approx 15 minute Power Point presentation as part of the first day with the following in mind:
- What are you currently studying?
- What are your research interests?
- How do you plan to apply this internship's course material to your area of study?
- Fun fact about yourself

Have fun with this! We encourage creativity and personality!