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Job Description

Postdoctoral Fellow - 17969

Faculty

Description

UNIVERSITY OF COLORADO
ANSCHUTZ MEDICAL CAMPUS
Colorado School of Public Health
Department of Biostatistics and Informatics

POSTDOCTORAL FELLOW/TRAINEE

The University of Colorado l Anschutz Medical Campus seeks individuals with demonstrated commitment to creating an inclusive learning and working environment. We value the ability to engage effectively with students, faculty and staff of diverse backgrounds.

<u>Nature of Work</u>

The Department of Biostatistics and Informatics, Colorado School of Public Health, is seeking a two-year post-doctoral fellow in machine learning methods, available to start immediately. The focus of this position will be the development and implementation of novel statistical and computational methods motivated by potential applications to areas such as genomics, cancer systems biology, imaging or neuroscientific modelling. The work will involve both methodological research with biostatistics faculty and collaboration with biomedical investigators. The University of Colorado Anschutz Medical Campus is a highly collaborative campus, and the particular collaborative direction will depend on the interests of the applicant.

<u>Supervision Received</u>

The incumbent will report directly to the Chair of the Department of Biostatistics and Informatics, Dr. Debashis Ghosh.

<u>Supervision Exercised</u>

The postdoctoral fellow may supervise graduate students, Research Instructors, or Professional Research Assistants.

<u>Examples of Work Performed</u>

Specific duties include the following:

1)Research (70%)

- Data management
- Statistical methods development

- Exploratory data analysis
- Machine Learning analysis.

2) Statistical computing (10%)

- R package development.

3) Research results (20%)

- Presentations at conferences
- Manuscript Preparation.

<u>Salary and Benefits</u>
Salary is commensurate with skills and experience. The University of Colorado offers a full benefits package. Information on University benefits programs, including eligibility, is located at <u>Employee Services</u>.

University of Colorado Denver | Anschutz Medical Campus is dedicated to ensuring a safe and secure environment for our faculty, staff, students and visitors. To assist in achieving that goal, we conduct background checks for all new employees prior to their employment.

The Immigration Reform and Control Act requires that verification of employment eligibility be documented for all new employees by the end of the third day of work. Alternative formats of this ad are available upon request for persons with disabilities.

Your total compensation goes beyond the number on your paycheck. The University of Colorado provides generous leave, health plans and retirement contributions that add to your bottom line.

Benefits: <u>https://www.cu.edu/employee-services/benefits</u>.
Total Compensation Calculator: <u>https://www.cu.edu/employee-services/total-compensation</u>

<u>Diversity and Equity:</u>
Please click here for information on disability accommodations:
<u>http://www.ucdenver.edu/about/departments/HR/jobs/Pages/JobsatCUDenver.aspx</u>

The University of Colorado Denver | Anschutz Medical Campus is committed to recruiting and supporting a diverse student body, faculty and administrative staff. The university strives to promote a culture of inclusiveness, respect, communication and understanding. We encourage applications from women, ethnic minorities, persons with disabilities and all veterans. The University of Colorado is committed to diversity and equality in education and employment.

Qualifications

<u>Minimum Qualifications:</u>

- PhD/ ScD from an accredited college or university in statistics, biostatistics, bioinformatics, computer science or related field at the start of the postdoc.
- Background in statistics, machine learning, genomics, or related fields.
- Minimum of 2 year(s) experience in statistical software R, Matlab, Python or equivalent.
- Excellent communication skills (written and oral) using the English language.
- The ability to work independently on data analysis and research.

<u>Preferred Qualifications:</u>

- Experience with development of R packages or other software.
- Minimum 1 year experience in high-throughput biological data analysis (e.g., microarrays, sequencing data) or medical imaging analysis.

Special Instructions to Applicants: Questions should be directed to Debashis Ghosh, PhD at debashis.ghosh@cuanschutz.edu

Application Materials Required: Cover Letter, Resume/CV, List of References

Application Materials Instructions: A review of the application material will begin immediately and continue until the position is filled.

Applications are accepted electronically at <u>CU Careers</u>, refer to requisition ID: 17969

When applying, applicants must include:

1. A letter of application which specifically addresses the job requirements and outlines qualifications
2. A current Resume/CV
3. The names, addresses, daytime telephone numbers and e-mail addresses for 3-5 professional references, either attached to your resume/CV or uploaded as a separate document

Please be advised that the University does check references as part of the employment process.

Please do not submit any of your application material (via email) to the job posting contact.

Job Category Faculty

Primary Location Aurora

Department: U0001 -- DENVER & ANSCHUTZ MED CAMPUS - 21419 - CSPH-Bio Info General Ops

Schedule Full-time

Posting Date Dec 17, 2019, 11:48:05 AM

Unposting Date Ongoing

Posting Contact Name: Debashis Ghosh, PhD

Posting Contact Email: debashis.ghosh@cuanschutz.edu

Position Number: 00770448