Announcements[1]

Employment Opportunities

Director, Center for Medical Genomics.—The Department of Human Genetics at Emory University School of Medicine in Atlanta is seeking a research-track assistant professor to serve as Director for the Center for Medical Genomics. The Department of Human Genetics was founded in 2001 through the restructuring of the existing Department of Genetics and the incorporation of the entire Division of Medical Genetics from the Department of Pediatrics. Today, the DOHG has 41 full-time faculty members and well over $7,000,000 in federal research funding. The Center is a high-throughput genotyping and sequencing facility operating in a CLIA environment and provides core services throughout the School of Medicine. The position requires detailed knowledge and extensive experience with automated laboratory technologies including DNA extraction, capillary sequencing, genotyping, and SNP discovery/typing. The Director should also be familiar with information systems and databases, including laboratory information management systems (LIMS). The successful applicant also will train graduate and medical students, through both laboratory rotations and didactic teaching, in high-throughput genotyping and the genetic analysis of complex disease. Minimum requirements are a Ph.D. in a science field and at least 3 years of postdoctoral experience in human genetics and automated DNA technologies. Please e-mail a curriculum vitae, three letters of reference, and a letter detailing experience and qualifications to HRGenetics@emory.edu. Emory University is an equal opportunity/affirmative action employer.

Division of Endocrinology, Creighton University.—The Division of Endocrinology at Creighton University invites applications for a tenure-track Ph.D. faculty position, at the level of associate professor or professor, in the areas of statistical genetics, molecular genetics, and functional genomics. The successful applicant will be a member of the Osteoporosis Research Center (ORC) of the Division of Endocrinology within the Department of Medicine. Genetic research in the ORC involves all aspects of mapping and identification of genes for complex traits, currently including osteoporosis, obesity, and human stature. The main focus is on human genetics, with additional focus on animal work. The successful applicant will collaborate with both clinical and basic scientists in the ORC. Applicants with a background in the molecular aspects of fine mapping and identification of genes for complex traits, using methods such as automated SNP genotyping and microarray analyses of gene expression, are encouraged to apply. Availability of large biorepositories and genotyping facilities, availability of statistical and computational facilities and support, and opportunities for collaboration with established clinical and basic scientists in the ORC provide an excellent opportunity for career development. Applicants should have a record of successful extramural funding (preferably from the National Institutes of Health), should be capable of managing all aspects of the research in the ORC's Genetics Laboratory, and should be able to generate funding both independently and in collaboration with other clinical and basic science faculty. To apply, send a letter of application, a curriculum vitae, a statement of research interests, and the names and addresses of four references to Robert R. Recker, M.D., Chief of Endocrinology and ORC Director, 601 North 30th Street, Suite 5766, Omaha, NE 68131. Inquiries can be directed to Dr. Recker by telephone (402-280-4471) or by e-mail (rrecker@creighton.edu). The policy of Creighton University is to provide equal employment opportunity based on qualifications and merit without unlawful regard to race, color, religion, sex, national origin, age, disability, marital status, sexual orientation, or veteran status.

---

1. Announcements are published free of charge for members of The American Society of Human Genetics (ASHG). Please e-mail announcements to ajhg@ajhg.net. Submission must be received *at least 7 weeks* before the month of issue in which publication is requested. They must be double spaced with a $1\frac{1}{2}$-inch margin on all sides. The maximum length is *250 words,* excluding the address for correspondence. Please include a cover letter indicating the name of the sponsoring ASHG member.

Postdoctoral positions.—Two postdoctoral positions in human population genetics and medical genetics are available for highly motivated individuals with excellent records of research. Postdoctoral fellows will apply tools and concepts of population genetics, genomics, and statistical genetics to new and ongoing studies of human evolution and disease association. Specific work will focus on analyzing patterns of genetic variation from both candidate genes and genomewide scans to make inferences about demographic history and natural selection. The results of these analyses will be used to guide studies of how variation affects a variety of common diseases, focusing mainly on infectious and autoimmune disorders. This position requires an independent and highly motivated individual with demonstrated expertise in human genetics, genomics, and statistical analysis. Candidates with a background in epidemiology and molecular biology are also strongly encouraged to apply. The successful applicant should have the ability to manipulate large data sets and a working knowledge of UNIX/LINUX operating systems. Educational requirements include a Ph.D. in molecular biology, genetics, epidemiology, bioinformatics, or a related field. Applicants should preferably have experience in human population genetics, statistical methods, and genotyping/sequencing technologies. Experience in molecular biology and high-throughput environments are pluses. Submit a letter describing your professional interests and skills, a curriculum vitae, relevant reprints, and the contact information for three references to Mike Bamshad either by e-mail (mbamshad@u.washington.edu) or by mail: University of Washington, Department of Pediatrics, 1959 NE Pacific Street, HSB RR349, Box 356320, Seattle, WA 98195. The University of Washington is an equal opportunity/affirmative action employer.

COURSE

Genetic Analysis of Complex Human Diseases.—is a comprehensive, 4-d course directed toward physician-scientists and other medical researchers, offered at the R. David Thomas Executive Conference Center, June 11–15, 2006, at Duke University Campus, Durham, NC. The course will introduce state-of-the-art approaches for the mapping and characterization of human inherited disorders, with an emphasis on the mapping of genes involved in common and genetically complex disease phenotypes. Course goals: (1) To instruct participants about the necessary steps and procedures used in ascertaining, collecting, and data-basing pedigree, demographic, family history, environmental risk factor, and clinical information for genetic disease mapping studies. The impact of genetic research on patients and their families will also be discussed. (2) To provide background information on the basic techniques of linkage analysis. The discussion will include problems and confounding issues that commonly arise. (3) To provide an introduction to the various strategies, designs, and methods of analysis needed to dissect the genetic basis of common and genetically complex (e.g., multifactorial or polygenic) traits. Examples are drawn from successful applications in human genetic disease. Discussions will include current approaches to both qualitative- and quantitative-trait phenotype assignment, methods of analysis, interpretation, follow-up and refinement of the preliminary linkage and/or association data, investigation of power, examination of heterogeneity, introductory microarray gene-expression analysis, and gene-gene and gene/-environment interactions. This course will not include any bench or ″wet″ laboratory experience. It is designed to introduce newly evolving methodologies from the laboratory and statistical analysis perspectives, including SNP-mapping and gene-expression (e.g., microarray) analysis. The course will incorporate discussion of the participants' individual research interests. Participants are encouraged to bring preliminary information and/or data for both formal and informal group discussion and instructor consultation. Participation in the course, limited to 35 students, will be dependent on completion of an application form that describes the applicant's background and research interests. All participants will need to show evidence of a postgraduate genetics course or its equivalent. Participants must provide a brief statement describing their research interests, their reason for taking the course, and their long-term objectives in relation to the course curriculum. This information will be used to select a highly motivated participant group. Minority and women applicants are specifically encouraged to apply. A limited number of scholarships are available for registered students or fellows. Scholarship selection will be based on the strength of the individual applicants. Travel arrangements are the responsibility of the course participants. Raleigh/Durham International Airport is serviced by all major airlines. Transportation to and from the airport will be provided and is included in the course fee. Contact Vivian Scales, Course Administrator, Duke University Medical Center, Box 3445 (or 595 LaSalle Street), Durham, NC 27710; telephone: (919) 684-0735; fax: (919) 684-0931; e-mail: vivian.scales@duke.edu (http://wwwchg.duhs.duke.edu/education/index.html). Application deadline: April 3, 2006.