Associate Research Scientist in the Cellular Engineering Laboratory in the Department of Biomedical Engineering at Columbia University in the City of New York.

The Cellular Engineering Laboratory in the Department of Biomedical Engineering at Columbia University in New York City is looking to hire a specialist in stem cell culture and soft tissue biomechanics to lead the core laboratory for cartilage tissue engineering. The strategic theme areas of the laboratory are regenerative and reparative medicine, mechanotransduction, and soft tissue biomechanics. The successful candidate will establish and maintain cultures of human and animal stem cells for cartilage regeneration, and model the biomechanical function of engineered cartilage using finite element methods. The candidate will also be responsible for maintaining the functionality of the Cellular Engineering Laboratory and will be expected to apply for external funding opportunities. Associate Research Scientists at Columbia SEAS are junior officers who have demonstrated innovation and excellence in research. Applicants should have a PhD or its professional equivalent. Extensive experience in cell and tissue culture, biomechanics, constitutive modeling, and finite element modeling are required. Demonstrated experience in stem cell culture and quantitative studies of tissue engineering are preferred. We also seek candidates with a strong ability to establish multidisciplinary research and educational collaborations with academic departments and units within Columbia University and other research institutions. Please send your curriculum vitae, cover letter, and names and contact information for three references to: academicjobs.columbia.edu/applicants/Central?quickFind=62298

The search will close no sooner than 03/31/2016 and remain open until the position is filled. Columbia University is an affirmative action/equal opportunity employer.