

Postdoctoral fellow recruitment

기관소개: 콜럼비아 대학은 1754 년에 세워진 아이비리그 사립학교입니다. 콜럼비아 메디컬센터 (Columbia University Irving Medical Center: CUIMC) 는 메인 캠퍼스에서 떨어져서 있으며 New York Presbyterian Hospital 과 함께 Upper Manhattan 에 위치합니다. 콜럼비아 메디컬 센터는 다양한 바이오 메디컬 리서치 분야에 7000 천명 이상의 교수들이 일하고 있고 왕성한 연구활동이 진행되고 있습니다. 콜럼비아 메디컬센터에서 지금까지 16 명의 노벨상 수상자가 있었으며 현재 3 명의 노벨상수상자가 메디컬 센터에 있습니다. 저희랩은 현재 메디컬센터안에있는 의과대학소속 Division of Digestive and Liver Disease 속해있으며 Cancer center 와 Liver Disease Research Center 에 속하여서 다양한 방면의 공동연구를 할수 있습니다.

The Department of Medicine at CUIMC has long history of metabolism research and provides enriched environment with various core facilities and shared equipment. In particular, NIH endowed cancer center (<https://www.cancer.columbia.edu>) and the Digestive and Liver Disease Research Center (<https://www.columbiadldrc.org>) provide a wide range of learning opportunities and internal grants for trainees. As the current projects will be carried out in collaboration with other collaborators within the medical center, the postdoc will have diverse opportunities to receive career guidance from the collaborators.

실험실 소개: 저희랩은 핵막단백질들을 연구하고 있으며 최근 핵막단백질들이 간세포에서 지방간과 간경화, 간암 발생에 어떠한 기전으로 영향을 미치는지에 대한 연구주제로 NIH R01 grant 를 받게되어서 함께 연구하실수 있는 포스닥 선생님을 구하고 있습니다.

The Shin lab in the Department of Medicine at Columbia University Irving Medical Center (CUIMC) is seeking a motivated and qualified postdoctoral candidate interested in lipid metabolism, liver cancer, and epigenetic mechanisms of gene regulation. Our group has discovered that nuclear envelope localized protein complex regulates hepatic lipid metabolism, whose abnormality is linked to hepatic steatosis and non-alcoholic steatohepatitis and tumor development. The Shin lab is currently investigating the underlying cellular and molecular mechanisms using mouse models in which the protein is depleted from hepatocytes and isolated primary hepatocytes. The lab uses various viral vector-mediated gene knock-down and overexpression approaches as well. The lab is developing iPSC-derived hepatocytes to further study cellular mechanisms of lipid regulation by nuclear envelope proteins in human cells.

Position Requirement

A PhD degree is required with prior research experience in Molecular Genetics, Biochemistry or Cell Biology, and a track record of peer-reviewed publications. Mouse handling experience will be considered as strength. Experiences with epigenetics and chromatin, mouse genetics, cancer signaling, metabolism, genomics, and confocal microscopic skill sets are desirable but not required.

A competitive salary and benefit package will be provided. Interested applicants should send a CV, a cover letter with career goal statement and contact information for three references to Ji-Yeon Shin (js3444@cumc.columbia.edu).

Start Salary:

연봉 7000 만원 이상- 8000 만원이하