
CLEVELAND CLINIC
LERNER RESEARCH INSTITUTE
DEPARTMENT OF BIOMEDICAL ENGINEERING
POSTDOCTORAL POSITIONS
PROTEASES IN CARDIOVASCULAR EXTRACELLULAR MATRIX, DEVELOPMENTAL BIOLOGY AND
DISEASE

Postdoctoral fellowships are available in the laboratory of Dr. Suneel Apte to investigate the proteomics and biology of cardiovascular development and disease. These positions will suit recent PhDs, MD/PhDs, or MDs with a career interest in proteases, extracellular matrix, proteomics, mouse genetics, cardiovascular disease, and systems biology.

The research project will involve the following:

1. Proteomics of cardiovascular tissues.
2. Cardiovascular disease, specifically, aortic aneurysms.
3. Degradomics to identify substrates of ADAMTS proteases.
4. Developmental biology using mouse models.
5. Systems biology.
6. Matrix biology, cell-matrix interactions, and biology of vascular smooth muscle cells.

Applicants must be highly motivated, energetic, well-organized, and independent, with a well-developed ability and the appropriate temperament to work amicably and collaboratively within a multidisciplinary team. A strong work ethic, integrity, and professionalism are expected. Exceptional writing skills and a track record of relevant publications are preferred. Fellows will join a laboratory with expertise in mouse genetics, developmental biology, biochemistry, and cell biology (<http://www.lerner.ccf.org/bme/apte/>). Proteomics will utilize Orbitrap Fusion Lumos Tribrid and Orbitrap Elite LTQ mass spectrometers in the Lerner Research Institute's Proteomics Core.

The Lerner Research Institute (<https://www.lerner.ccf.org/>) is a large, leading biomedical research institute with diverse research activities, a strong academic program with local universities, a medical school and outstanding core facilities. The Cleveland Clinic (<https://my.clevelandclinic.org/>) is internationally recognized for treatment of cardiovascular disease. Cleveland is an affordable, medium-sized city with a wealth of cultural and outdoors opportunities.

Interested applicants should submit:

- A letter of application
- Complete curriculum vitae
- 1- to 2-page statement of research/career goals
- Contact details of three references with intimate knowledge of their work

Send the above materials and direct any inquiries to:

Suneel S. Apte, MBBS, DPhil

Department of Biomedical Engineering / ND20

Cleveland Clinic

9500 Euclid Avenue

Cleveland, OH 44195

E-mail: aptes@ccf.org

More information about the Cleveland Clinic and its relevant institutes, departments and resources is available online.

*Cleveland Clinic is pleased to be an equal employment/affirmative action employer:
Women/Minorities/Veterans/Individuals with Disabilities. Smoke/drug free environment.*