HIV/AIDS remains one of the biggest public health crises of our generation. As antiretroviral therapy (ART) became common in the western world, metabolic dysfunction and cardiovascular disease emerged as two of the leading causes of death for HIV-infected individuals. We know that the immune system is central to adipose tissue function and dysfunction in the context of obesity, however, the extent to which HIV/ART influences adipose tissue immune cell function to predispose to metabolic disease is not known.

The Hill Lab, a leader in the field of obesity, is seeking a highly-motivated and self-sufficient post-doctoral fellow to study the effects of HIV/ART on adipose tissue immune cell function. Candidates should possess or soon possess a terminal degree (PhD, MD, DVM, etc.) and have experience in experimental immunology and cell and molecular biology. Experience with development and analysis of large genomic data sets (single cell RNA-seq, ATAC-seq etc.) is favored. The individual will work under the direction/guidance of Dr. Hill, and assume responsibility for a specific, on-going research project. The position will involve the use of primarily human samples and tissue culture models.

About the position: The offered position is funded for approximately two years, with possible extension for productive individuals. The position will serve to extend, refine, and enhance skills necessary for professional and career development, and enable the individual to broaden their scientific background. The individual filling this position will have opportunities to work on/lead disease discovery projects, supervise junior lab members, and develop new methods and protocols for novel research projects in the lab. There will also be opportunities to present at local, national, and international meetings. Salary is competitive, and will depend upon qualifications and previous training. A fall 2019 start date is preferred.

About the lab: The Hill Lab (www.med.upenn.edu/hilllab) is located in a highly academic environment on the 12th floor of the Abramson Research Center of the Children’s Hospital of Philadelphia (CHOP) Research Institute. The Institute is one of the largest and most prestigious pediatric research programs in the USA, with 425 investigators working in 700,000 square feet across three buildings. The Institute includes dedicated core facilities, including a state of the art Flow Cytometry Core. CHOP is situated within the University of Pennsylvania campus, and is home to the Pediatric Faculty of the Perelman School of Medicine, an Ivy League medical school. This environment is ideal for the conduct of interdisciplinary and innovative research.

About the region: Philadelphia, the 6th most-populous U.S. city, provides a dynamic cultural environment and numerous forms of entertainment. Philadelphia is easy to access through its large international airport. New York City and Washington D.C. are only 90 minutes away by train.

Interested candidates should email the following to HillLab@email.chop.edu:

- A cover letter with a description of achievements and of how this position fits your goals
- A CV with complete list of publications
- The contact info for three references

1Expert Rev Endocrinol Metab. 2016 Sep; 11(5): 395-402
2AIDS. 2010 Jun 19; 24(10): 1537-1548
3Proc Natl Acad Sci U S A. 2018 May 29;115(22):E5096-105