

**BOSTON CHILDREN'S HOSPITAL
HARVARD MEDICAL SCHOOL
Boston, MA**

Department of Pathology

Steen Laboratory

Post-doctoral Training Fellowship in High Throughput (Plasma) Proteomics

A post-doctoral position is available in the Steen Laboratory lead by Hanno Steen Ph.D., Associate Professor of Pathology at Harvard Medical School, and Director of Proteomics and Boston Children's Hospital. The Steen laboratory applies mass spectrometry-based proteomics methods to answer questions in the field of infectious diseases, vaccination and immune system development. Our lab is situated in the [Department of Pathology](#) at [Boston Children's Hospital](#), which is one of the Harvard Medical School teaching hospital, i.e., all academic affiliations are through [Harvard Medical School](#). The Steen Lab is associated with various programs at Boston Children's Hospital including the [Neurobiology Program](#) and the [Precision Vaccines Program](#).

The Steen Lab is a member of several NIH-funded research consortia such as the *Consortium for the Study of Chronic Pancreatitis, Diabetes, and Pancreatic Cancer* ([CPDPC](#)) and the *Human Immunology Project Consortium* ([HIPC](#)), and most recently the *IMMuno Phenotyping Assessment in a COVID-19 Cohort* ([IMPACC](#)). We have developed several high throughput proteomics pipelines, which have been optimized and used for thousands of plasma samples. Our goal is to accelerate this pipeline and take advantage of the incredible sensitivity of MS technology by decreasing smaller sample volumes. Thus, we are interested in high energy scientists with an interest in diagnostics, prognostics and clinical applications. Candidates with a PhD in Biochemistry or related fields with a strong background in mass spectrometry-based proteomics will be favored for this post-doctoral fellowship. Since we are using targeted, DIA and DDA methods, hands-on experience with different acquisition methods is required, as is the interest and experience in the statistical and bioinformatic analysis of large datasets.

The Steen Lab is currently equipped with two timsTOFs (Bruker), two QExactives (classic and HF; Thermo), and two triple quad mass spectrometers (Sciex and Shimadzu).

The postdoc will be employed through Boston Children's Hospital, but will have their academic affiliation with Harvard Medical School. Harvard and the Boston scientific community provide fellows with a stimulating scientific environment including seminar series that profile leading scientists around the world. Boston provides an exciting and vibrant cultural setting to live and favorable job prospects for bioanalytical scientists in the thriving biotech hub of the world - Boston.

Applicants should e-mail their CV and 3 references to Dr. Hanno Steen: Hanno.steen@childrens.harvard.edu.