We are opening two positions (1PhD & 1PostDoc) for highly motivated researchers with a strong interest in epitranscriptomic regulation and translational immunity & oncology. The aim of the project is to decipher the role of the \textit{tRNA epitranscriptome in innate immune cell development and function in health, infection and cancer}. The project is developed as a collaborative effort between the Labs of Cancer Signaling (LCS, PI: Pierre Close) and Cellular & Molecular Immunology (LCMI, PI: Christophe J. Desmet) in the GIGA-Institute, ULIEGE, Belgium (www.giga.uliege.be).

GIGA gathers more than 500 scientists in all fields of biomedical research and offers access to top-notch technological platforms (www.giga.uliege.be/platforms). Together, LCS and LCMI host >20 international researchers who routinely master advanced cellular and molecular biology techniques such as high-parameter flow cytometry, (single-cell)RNA-seq, Ribo-seq, Polysome Profiling-sequencing, tRNA sequencing, and mass spectrometry. The candidates will benefit from a stimulating and highly competitive scientific environment with a strong international network and funded by prestigious grants.

\textbf{Positions:}
\textbf{PostDoc:} A three years (yearly reconduction +1y extension) is available.
\textit{Requirements:}
- International profile
- Demonstrated expertise in FACS analyses and cellular immunology
- European certificate for animal experiments or equivalent is a plus
- Experience with scRNAseq, CRISPR screens and/or bioinformatics is a plus

\textbf{PhD:} A four years PhD position (yearly reconduction) is available.
\textit{Requirements:}
- Fluency in spoken and written scientific English
- Demonstrated expertise in \textit{lab} experiments, preferably in cellular immunology
- A plus if the candidate has the European certificate for animal experiments

\textbf{Starting Date:} from now

\textbf{Application:}
Please send your application (cv, motivation and two references letters) to:

\texttt{Pierre.Close@uliege.be \& Christophe.Desmet@uliege.be}

\textbf{GIGA-Institute} \hspace{1cm} \textbf{University of Liege} \hspace{1cm} \textbf{more info @:} \hspace{0.5cm} \texttt{www.gigalcs.uliege.be} or \hspace{0.5cm} @gigacancersignaling \hspace{0.5cm} \texttt{www.gigalcmi.uliege.be}

\textbf{Selected publications:}
\begin{itemize}
\item Delaunay \textit{et al}, J.Exp.Med. (2016)
\item Rapino \textit{et al}, Trends in Cancer (2017)
\item Rapino \textit{et al}, Nature (2018)
\item Lemaitre \textit{et al}, J.Immunol. (2021)
\item Rosu \textit{et al}, J.Exp.Med. (2021)
\item Van Hulst \textit{et al}, Eur Respir J. (2021)
\item Rapino \textit{et al}, Nature Comm. (2021)
\end{itemize}