



DEVICES AND METHODS FOR LABEL-FREE SENSING OF LYMPHOCYTE ACTIVATION AND IDENTITY

[View U.S. Patent Application Publication No. US-2024-0219289 in PDF format.](#)

WARF: P220288US02

Inventors: Melissa Skala, Rebecca Schmitz, Alexandra Walsh

The Invention

UW-Madison researchers have developed a unique inherent fluorescent image-based classifiers for B cell and NK cell activation. The specific autofluorescence signatures are used to identify B cell activation with at least 92% accuracy and NK cell activation with at least 86% accuracy. This allows for label-free sensing of B cell and NK cell activation for CAR B and CAR NK cell production, and for immune reactivity studies.

Additional Information

For More Information About the Inventors

- [Melissa Skala](#)

Tech Fields

- [Analytical Instrumentation, Methods & Materials : Microscopy](#)

For current licensing status, please contact Andy DeTienne at adetienne@warf.org or 608-960-9857