Washington University in St. Louis
Office of Technology Management

SYSTEMS AND METHODS FOR DETECTION AND QUANTIFICATION OF AXIAL SPONDYLOARTHRITIS

Paley, Michael, Yokoyama, Wayne

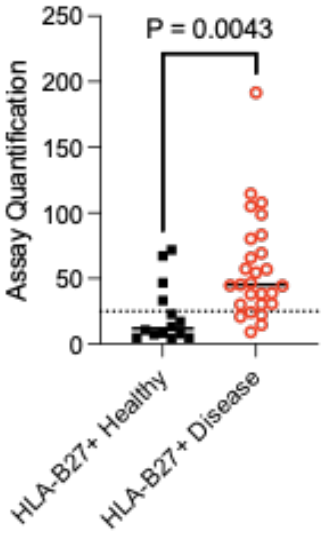
Hardin, Clyde "Frank"

T-020486

T-020486 – Systems and Methods for Detection and Quantification of Axial Spondyloarthritis

Technology Description

Researchers at Washington University in St. Louis, led by Dr. Michael Paley, have developed an assay to diagnose axial spondyloarthritis (axSpA) in HLA-B*27-positive patients. Patients with axial spondyloarthritis have a diagnostic delay of up to 10 years. Early detection is critical for the intervention and treatment of symptoms.



Above: Detection and quantification of an axSpA biomarker in HLA-B*27-positive healthy or axSpA patients. Dashed line indicates a positive result. This

Stage of Research

- Proof of concept has been demonstrated using blood from human patients.

Publications:

- **Not published**

Applications

- Axial spondyloarthritis

Key Advantages

- **Early diagnosis, specific**

Patents

- **Provisional filed**

Related Web Links

- **Dr. Michael Paley,** Profile