

# SYSTEMS AND METHODS FOR DETECTION AND QUANTIFICATION OF AXIAL SPONDYLOARTHRITIS

[Paley, Michael, Yokoyama, Wayne](#)

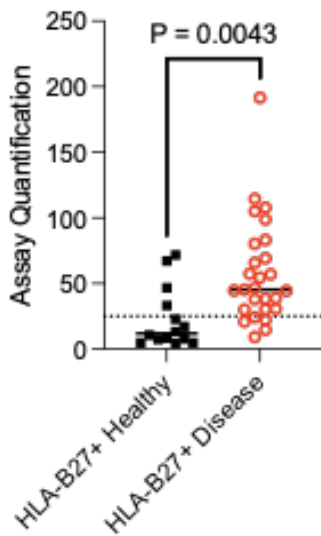
[Hardin, Clyde "Frank"](#)

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](#)**