

## ALS Biomarker Prize Track 2 Submissions

The researchers who have been competing for our ALS Biomarker Prize have pursued some very interesting and innovative ideas. Below is a list of some of these approaches:

- An ALS Biomarker comprised of measurements of several immunological parameters that are altered in individuals with the disease
- An ALS Biomarker based on measuring changes in electrical activity in the spine
- An ALS Biomarker involving changes in particular inflammatory cytokines
- An ALS Biomarker based on use of a novel computer assisted modification of traditional transcranial magnetic stimulation
- An ALS Biomarker based upon using deep search computational methods of Biological Databases to analyze differences within non-coding RNA regions
- An ALS Biomarker based on specific changes measured in human mesenchymal stem cells derived from the bone marrow of ALS patients
- An ALS Biomarker based on using calorimetry to detected changes in ALS patients' resting energy expenditure levels