

## Accepted Manuscript

Title: Antidepressant Treatment Resistance is Associated with Increased Inflammatory Markers in Patients with Major Depressive Disorder

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Markers in Patients with Major Depressive Disorder**

Ebrahim Haroon, MD, Alexander W. Daguanno, BS; Bobbi J. Woolwine, MSW; David R. Goldsmith, MD; Wendy M. Baer, M.D.; Evanthia C. Wommack, BS; Jennifer C. Felger, PhD; Andrew H. Miller, MD

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**Running Title:** Treatment Resistance and Inflammation in Depression

**Declarations of interest:** none

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**Highlights**

- Antidepressant treatment trials were measured in the current episode of depression
- Patients with multiple failed treatment trials had increased inflammatory markers
- TNF, sTNFR2, IL-6 and CRP were associated with number of failed treatment trials
- Treatment non-response can be associated with increased inflammation

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