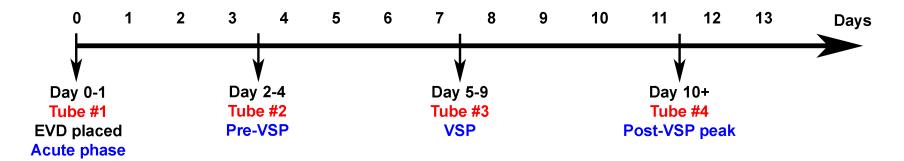
## Preliminary Results In The Analysis Of The Immune Response After Aneurysmal Subarachnoid Hemorrhage

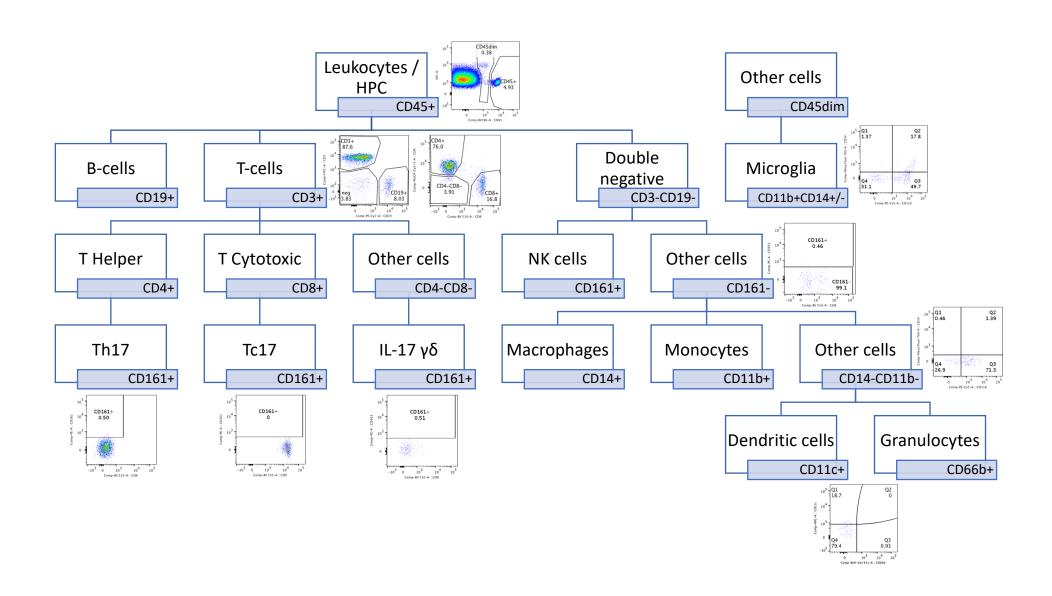
Jorge A. Roa MD<sup>1,2</sup>, Deepon Sarkar BS<sup>1</sup>, Mario Zanaty MD<sup>2</sup>, Daizo Ishii MD<sup>2</sup>, Yongjun Lu PhD<sup>2</sup>, Nitin J. Karandikar MD PhD<sup>3</sup>, David M. Hasan MD<sup>2</sup>, Sterling B. Ortega PhD<sup>3</sup>, Edgar A. Samaniego MD, MS<sup>1, 2, 4</sup>

- 1. Department of Neurology, University of Iowa Hospitals and Clinics, Iowa City, Iowa, USA.
- 2. Department of Neurosurgery, University of Iowa Hospitals and Clinics, Iowa City, Iowa, USA.
- 3. Department of Pathology, University of Iowa Hospitals and Clinics, Iowa City, Iowa, USA.
- 4. Department of Radiology, University of Iowa Hospitals and Clinics, Iowa City, Iowa, USA.

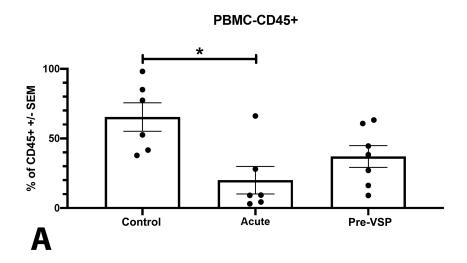
**Supplemental Figure 1.** Timeline for CSF and PB sample collection.

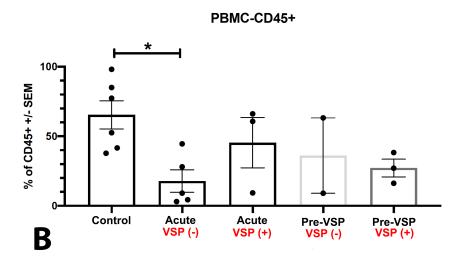
## **Timeline for CSF Sample Collection - IRASH Study**



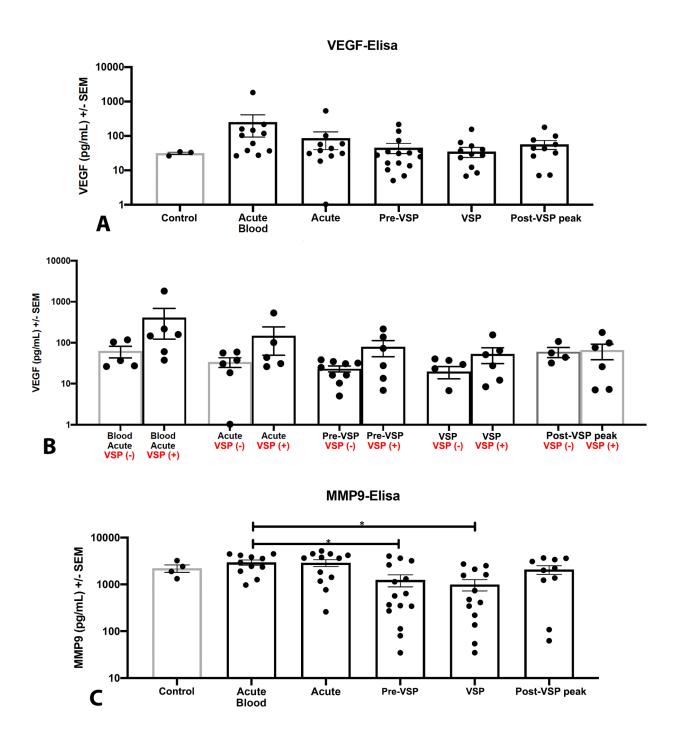


**Supplemental Figure 3.** PB CD45+ cellularity (A) among all patients and (B) categorized by presence of VSP.





**Supplemental Figure 4.** ELISA results for expression of (A) VEGF among all patients, (B) VEGF categorized by presence of cVSP, and (C) MMP-9 among all patients.



Supplemental Figure 5. ELISA results for expression of (A) IL-6 among all patients, (B) IL-6 categorized by presence of cVSP, and (C) TNF- $\alpha$  among all patients.

