Responders and Informs Optimal Drug Choice Alan Mitchell¹, Gege Xu¹, Rachel Rice¹, Klaus Lindpaintner¹, Dennie Frederick², Genevieve Boland², Daniel Serie¹

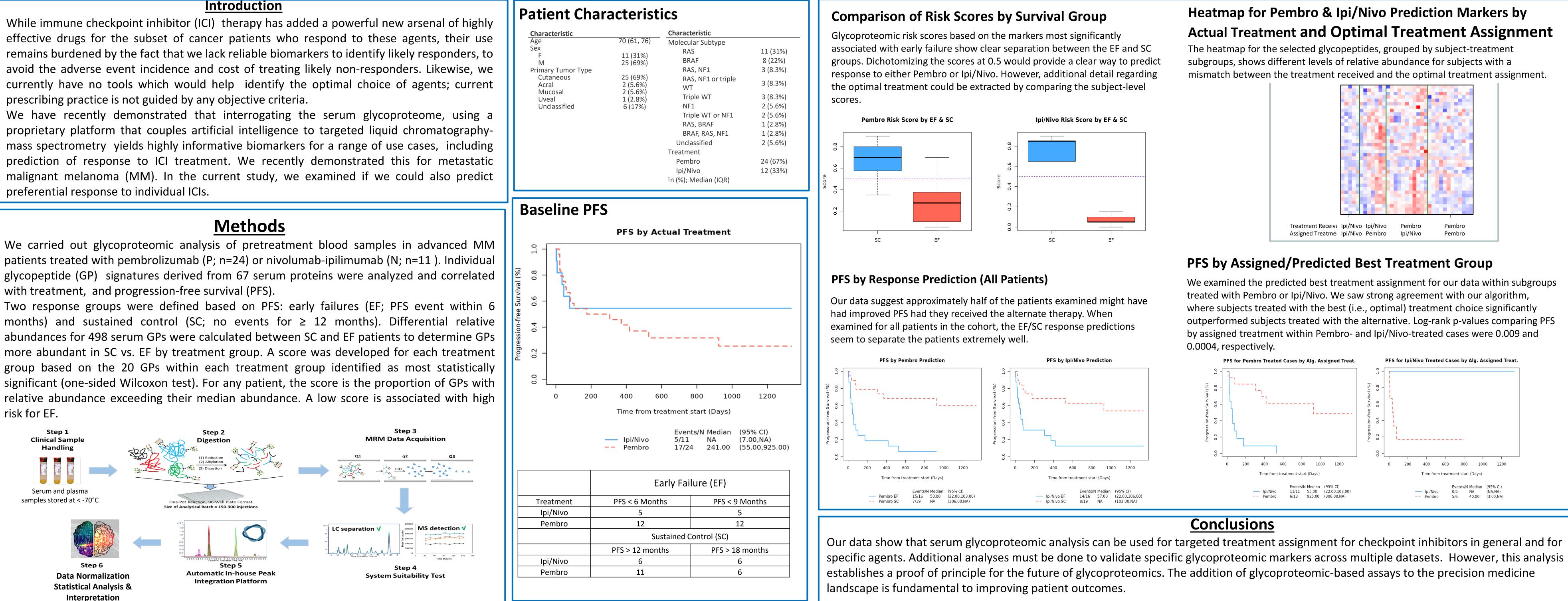
Glycoproteomics-Based Liquid Biopsy Identifies Checkpoint-Inhibitor ¹InterVenn Biosciences, 2 Tower Place, South San Francisco, CA; ²Department of Surgery, Massachusetts General Hospital, Boston, MA

prescribing practice is not guided by any objective criteria.

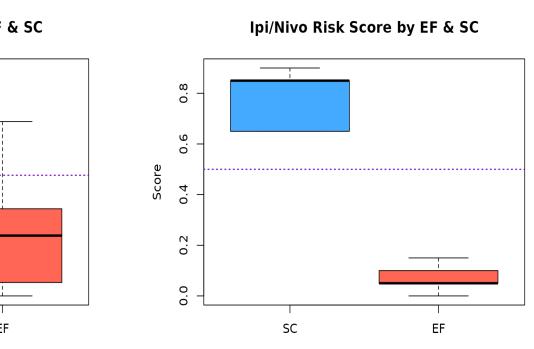
preferential response to individual ICIs.

with treatment, and progression-free survival (PFS).

risk for EF.







Heatmap for Pembro & Ipi/Nivo Prediction Markers by Actual Treatment and Optimal Treatment Assignment

The heatmap for the selected glycopeptides, grouped by subject-treatment subgroups, shows different levels of relative abundance for subjects with a mismatch between the treatment received and the optimal treatment assignment.

We examined the predicted best treatment assignment for our data within subgroups treated with Pembro or Ipi/Nivo. We saw strong agreement with our algorithm, where subjects treated with the best (i.e., optimal) treatment choice significantly outperformed subjects treated with the alternative. Log-rank p-values comparing PFS by assigned treatment within Pembro- and Ipi/Nivo-treated cases were 0.009 and



	1		
400 600	800	1000	1200
			1200
400 600 Time from treat			1200
	tment start (Days)	
Time from treat	tment start (Events/N M	Days) Iedian (95 ⁰	1200 % CI) ,NA)
	tment start (Events/N M 0/5 N	Days) Iedian (95 ⁴ A (NA	% CI)