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(71) Applicant: **REGENERON PHARMACEUTICALS, INC.** [US/US]; 777 Old Saw Mill River Road, Tarrytown, New York 10591-6707 (US).

(72) Inventors: **MAO, Yuan**; 190 Pinewood Road, Hartsdale, New York 10530 (US). **NAYAK, Shruti**; 139 Roosevelt Drive, Wood-Ridge, New Jersey 07075 (US).

(74) Agent: **GROLZ, Edward W.**; Scully, Scott, Murphy & Presser, 400 Garden City Plaza, Suite 300, Garden City, New York 11530 (US).

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(54) Title: METHODS FOR WHOLE-CELL GLYCOPROTEOMIC ANALYSIS

(57) Abstract: The present disclosure relates to glycoproteomics. More specifically, the current disclosure provides methods for determining one or more of the glycoproteins, glycosylation sites, glycopeptide fragments, and glycan compositions of both membrane and cytosolic proteins. The methods herein employ a single processing method that enables extraction of membrane and cytosolic proteins for the identification and analysis of whole-cell glycosylation, independent of species or sample type.