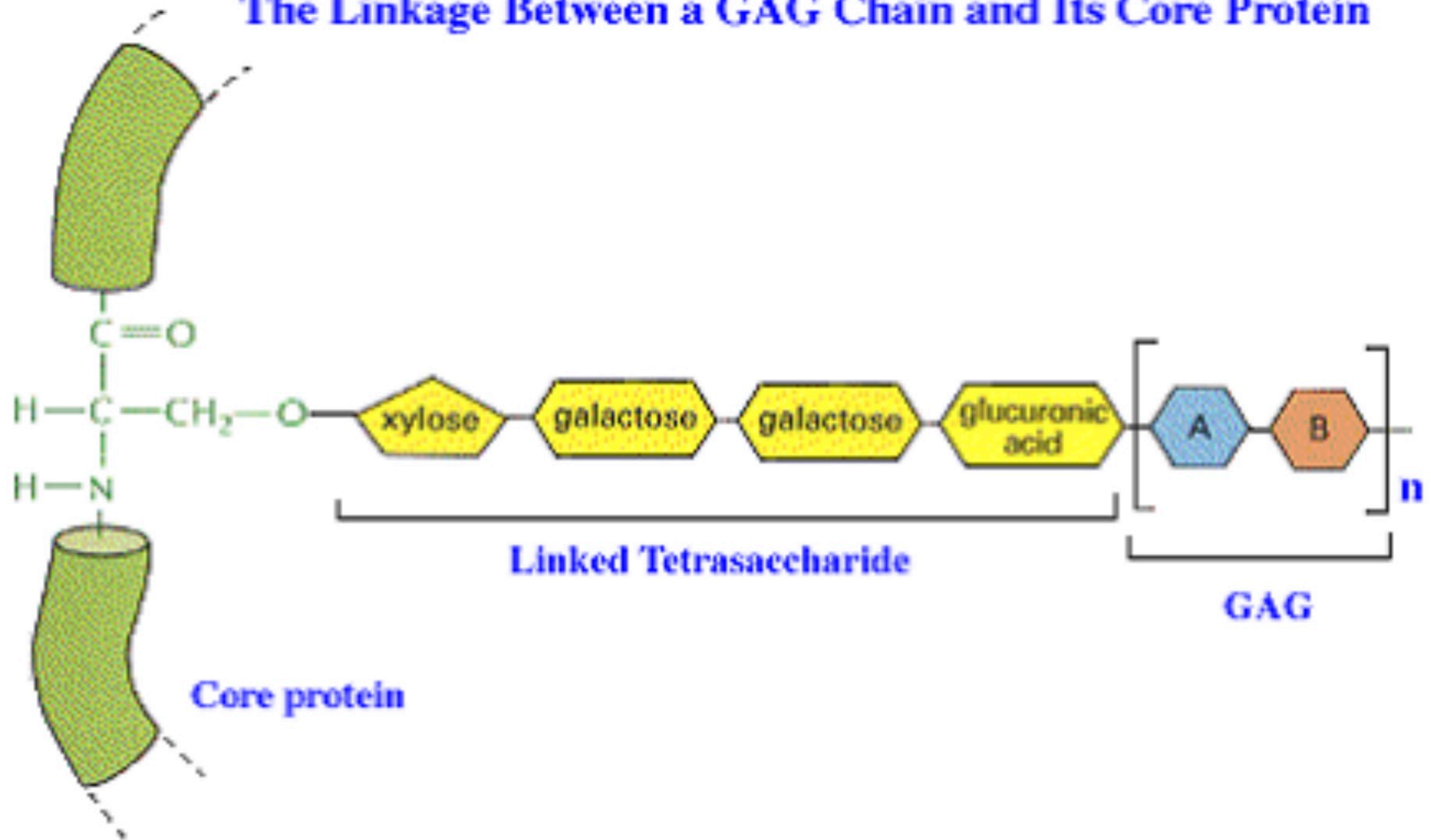


## The Linkage Between a GAG Chain and Its Core Protein



The point of attachment is a Ser residue to which the glycosaminoglycan is joined through a tetrasaccharide bridge (e.g. chondroitin sulfate-GlcA-Gal-Gal-Xyl-PROTEIN). The Ser residue is generally in the sequence -Ser-Gly-X-Gly- (where X can be any amino acid residue but Proline), although not every protein with this sequence has an attached glycosaminoglycan.