# Hopf-Galois extensions, regular subgroups of holomorphs, and skew braces

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**Abstract.** The study of Hopf-Galois extensions can be translated into the study of the regular subgroups of a certain permutational holomorph, which is in turn equivalent to the study of skew braces. We will be reporting on recent joint work on the subject, done together with Elena Campedel and Ilaria Del Corso.