Joint work with Pietro Corvaja, Ariyan Javanpeykar, Davide Lombardo and Umberto Zannier.

We show that given a ramified cover Y of an abelian variety A (defined over a finitely generated field K), and a Zariski-dense subgroup $\Omega \subseteq A(K)$, there exists a coset C of Ω such that no point of C lifts to $Y(K)$.