CAMILA FABRE SEHNEM, University of Waterloo
A uniqueness theorem for Toeplitz algebras of semigroups

I will report on recent work with M. Laca, in which for each submonoid P of a group we define a universal Toeplitz C*-algebra $\mathcal{T}_u(P)$ via generators and relations that is canonically isomorphic to Li's semigroup C*-algebra when independence holds and works as expected when independence fails. I will focus on faithfulness of representations and uniqueness theorems for Toeplitz C*-algebras, presenting results that are new also for monoids that satisfy independence.