We will discuss the statement and idea of proof of an equivariant Tamagawa number formula for Drinfeld modules. This generalizes to a Galois equivariant setting Taelman’s celebrated class-number formula for Drinfeld modules. As an application, we will discuss the statement and idea of proof of the Drinfeld module analogue of the classical refined Brumer–Stark conjecture. This is joint work with J. Ferrara, N. Green, and Z. Higgins. (Received August 08, 2020)