1142-19-88   **Mladen Bestvina**, **Koji Fujiwara** and **Derrick Wigglesworth***
                    (`derrick.wigglesworth@gmail.com`). *The Farrell-Jones conjecture for free-by-cyclic groups.*

The Farrell-Jones conjecture for a group G is an important conjecture in manifold theory that provides a means of computing several obstructions (e.g., Whitehead torsion) that are important for using surgery theory on non-simply connected manifolds. I will review some of its consequences and will discuss several classes of groups for which it is known, (e.g., 3-manifold groups, hyperbolic groups, solvable groups). Finally, I will discuss a proof that free-by-cyclic groups satisfy FJC, answering a question of Lueck. This is joint work with Mladen Bestvina and Koji Fujiwara. (Received August 30, 2018)