1145-54-640 **Eylem Zeliha Yildiz*** (eylemzeliha@gmail.com), 619 Red Cedar Rd, Dept of Math C515 Wells Hall, Michigan State University, East Lansing, MI 48824. *Knot concordance in 3-manifolds*.

I will discuss PL and smooth knot concordances in 3-manifolds. In particular I will show that all knots in the free homotopy class of $S^1 \times pt$ in $S^1 \times S^2$ are concordant to each other. I will also discuss an application of these concordances to constructing exotic 4-manifolds. (Received September 12, 2018)