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Niki Myrto Mavraki* (myrtomav@math.ubc.ca) and **Hexi Ye.** *Equidistribution and preperiodic points for families of rational maps.*

The arithmetic equidistribution theorem for small points with respect to an adelic measure, proved independently by Baker–Rumely and Favre–Rivera-Letelier has had many applications in the study of dynamics of families of rational maps. In this talk we show that most 1-parameter families of rational maps fail to satisfy the adelic hypothesis in the aforementioned equidistribution theorem. We present a more general equidistribution theorem for quasi-adelic measures and give some applications of our theorem. (Received September 24, 2017)