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Ian B. Smythe* (i.smythe@rutgers.edu), Department of Mathematics, Rutgers University -
New Brunswick, Piscataway, NJ 08854. *Parametrizing the Ramsey theory of block sequences.*

We will discuss recent work on parametrized versions of Ramsey-theoretic dichotomies for block sequences in infinite-dimensional vector spaces, and its connections to preservation of ultrafilter-like objects when adding Sacks reals. This aims to generalize versions of the Galvin-Prikry and Silver dichotomies parametrized by perfect sets, and the corresponding preservation results for selective ultrafilters. (Received September 12, 2019)