Rigidity in combinatorial Banach spaces

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A combinatorial Banach space $X_{\mathcal{F}}$ is a Banach space defined as the completion of some norm defined on the vector space $c_{00}(\mathbb{N})$. The norm is induced by a compact family $\mathcal{F}$ of finite subsets of $\mathbb{N}$ with certain properties, and this can be generalized to the uncountable setting.

In our talk, we will present results which relate the combinatorial properties of the family $\mathcal{F}$ and the geometric properties of its corresponding Banach space $X_{\mathcal{F}}$, in particular in terms of rigidity.