

# Summer School 2026

Topics in Banach Space Theory

## Divergence operators and Lipschitz-free spaces

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**Day and time**        Thursday: 11:15–11:50

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### Abstract

We characterize those  $\Omega \subset \mathbb{R}^m$  such that  $\mathcal{F}(\Omega) \simeq L_1(\Omega; \mathbb{R}^m)/(\ker \operatorname{div})$ . We interpret members of the free space as a special type of flat chains and apply Smirnov's theorem to represent these as the boundary of a foliated family of rectifiable curves.