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On the cover: Cultured primary neurons are a well established model for the study of neuronal function *in vitro*. We show that Stable Isotope Labeling by Amino Acids in Cell culture (SILAC) can be used to study brain-derived neurotrophic factor (BDNF) signaling in a differentiated, non-dividing cell type such as primary neurons. For details, see the article by Spellman *et al.*, pages 1067–1076.

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