

## Special Issue: Neuroproteomics

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On the cover: Müller cells (*brownish*), the highly arborized multi-functional macroglia of the retina (*back right*), are in intimate contact to all other retinal types such as cone (*dark blue*) and rod (*bright blue*) photoreceptors, bipolar (*red*), horizontal (*dark green*), amacrine (*bright green*) and ganglion cells (*yellow*). Their isolation with optimal conservation of fine side branches is challenging. To enable comprehensive proteomic profiling of Müller cells, which make up only 1.5% of the whole retinal cell population, gentle enzymatic digestion was applied in combination with magnetic activated cell separation. Label-free quantitative liquid chromatography-mass spectrometry comparing highly enriched Müller glia (>95%) to neuronal cells allowed identification of novel Müller cell-specific proteins such as peroxiredoxin 6 (*purple*), shown in the magnifying glass. Artwork by Jens Grosche (Effigios AG). For more details, see the article by Antje Grosche *et al.*, pages 462–480.

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