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Spectral analysis of so-called high-voltage spindles that are common rhythmic activities in the brain. In Parkinson's disease, synchronization of activity is increased in particular brain areas. Cyril Dejean investigated the underlying mechanisms. For further details, see the article on pages 179–182

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95th International Titisee Conference
The rapidly expanding research in the field of aging exploits a variety of systems ranging from yeast, worms and fruit flies to mice and humans to dissect the process of aging and influence its rate. This International Titisee Conference brought together leaders from various fields to discuss the major molecular pathways and mechanisms that regulate aging, many of which have been highly conserved throughout evolution.

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What it takes to make it in science
The Leibniz prize winner Stefanie Dimmeler has not only received numerous awards for her research on progenitor cells, but also successfully pursues translational research, bridging the gap between basic biological research and clinic. Here she explains decisive steps, how she deals with the challenges of a scientific career and what helped her to get where she is today.

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