



38 | *DYNAMIC*

Our skeleton supports the body and is constantly being rebuilt.



46 | *LOGICAL*

Christoph Weidenbach solves complex mathematical problems.



60 | *MUSICAL*

We learn to enjoy and create harmonies from the cradle.



66 | *GENETIC*

Sticklebacks have colonized new freshwater habitats from the sea multiple times.

PHOTOS: DAVID AUSSERHOFER (ABOVE LEFT), ANNA ZIEGLER (ABOVE RIGHT), FELIX BERNOULLY (BELOW LEFT), SCIENCE PHOTO LIBRARY (BELOW RIGHT)

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An unexpected future for oil and gas

If energy generation increasingly becomes possible without using oil and natural gas, the price will fall. This means that fossil fuels again become attractive commodities. The search for alternative ways of using them should therefore be intensified.

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Thanks to a new approach, researchers have come much closer to creating supraconduction at workable temperatures – not least by putting their materials under no less than astronomical pressure.

32 | Don't stress yourself

When the human body is exposed to stress, it goes into the very same emergency mode that it used in the Stone Age. This is not always helpful in today's context. But what actually happens in the body when we're under stress? Why are some people particularly prone to stress?

38 | Definitely not bone idle

In the body, mechanical stress causes bones to constantly renew and remodel themselves. Scientists are researching what exactly happens during this process, and which structure makes the bones stiff and strong.

46 | VISIT TO

Christoph Weidenbach

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Bacteria are almost everywhere, including in our gut. Without them, we would not be able to digest our food as effectively. But how have microbes influenced the evolution of humans?

60 | Music in your head

The human mind is designed to both enjoy and create music. Researchers are studying what exactly happens in our head when we make music.

66 | A fish at home in all waters

Three-spined stickleback fish live in both salt and fresh water. How has the genome of the fish changed as they have evolved? 12,000-year-old stickleback bones provide insight into the early phase of this change.

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