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Foreign Member of the Chinese Academy of Sciences (CAS) and Nobel laureate Samuel C C Ting, and CAS Member WANG Yifang share their experiences in high energy physics research and thoughts on future development of the discipline in an open talk.

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Cover story:

A joint team of astronomers from the National Astronomical Observatories of the Chinese Academy of Sciences (NAOC) and top universities in China successfully obtained evidence for nano-hertz gravitational waves and announced their results simultaneously with counterpart detectors in Europe-India, America and Australia on June 30. To achieve this, they used FAST, the Five-hundred-meter Aperture Spherical radio Telescope to time the emissions of electromagnetic beams from 57 millisecond pulsars in the Milky Way. Turn to page 89 for detail. (Image: NAOC, PKU, CAS & Science APE)

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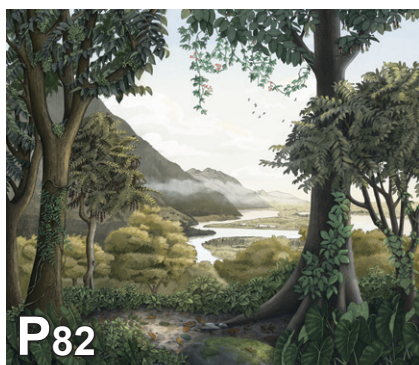
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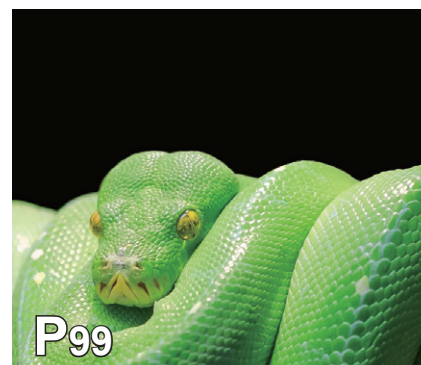
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A scientist from the Xishuangbanna Tropical Botanical Garden (XTBG) of the Chinese Academy of Sciences recounts what he and his colleagues discovered during two comprehensive scientific investigations in the Mount Qomolangma region. (Artwork by Alex Boersma)



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Eating nuts has scientific backing for health. New study reveals that gut microbes convert linoleic acid – a common fatty acid that is relatively abundant in vegetable oils, nuts and seeds – to conjugated linoleic acids (CLAs), which boost certain immune cells that reside in the small intestine.



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A sweeping genomic study of snakes, published in *Cell*, sheds new light on the genetic basis of their unique traits and evolutionary adaptations, including limb loss, elongated body, and enhanced infrared and vibration sensing for hunting.

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