

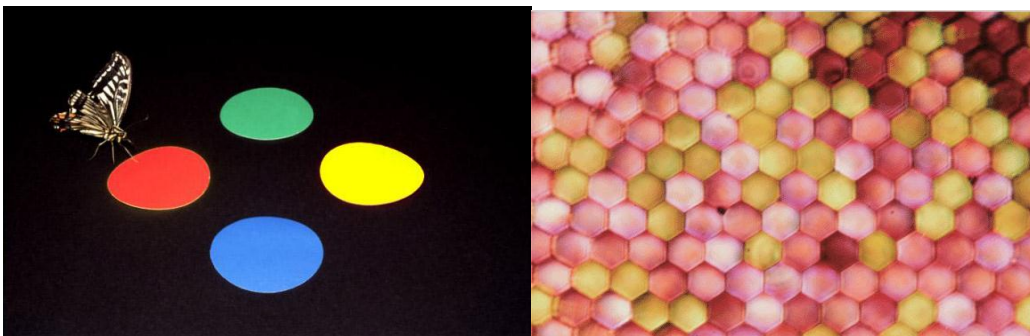
katedra za antropologijo, fiziologijo, nevrobiologijo in etologijo
Vas vabi na predavanje

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Kako žuželke vidijo **barve**

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Barvni vid se je razvil pri primatih, pticah, plazilcih, ribah, rakah in žuželkah. V raziskavah kot modelne organizme študiramo metulje (lastovičarje, beline, modrine). Raziskujemo nevronske mehanizme, ki omogočajo barvni vid, in njegovo evolucijo. Naša želja je, razumeti, kako živali vidijo svet.



Kentaro Arikawa was born in 1957. He is currently a Full Professor at the Sokendai Graduate University Hayama and Editor of the Journal of Comparative Physiology A. He received a PhD degree in Biological Science at Sophia University Graduate School of Science in 1983. He was Assistant Professor of the Department of Biology at Yokohama City University and Professor of the Graduate School of Integrated Science at Yokohama City University. In 1997, he received the 6th Yoshida Prize for Young Researchers, Japan Society for Comparative Physiology and Biochemistry. In his research, Kentaro Arikawa specializes in neuro-behavioristics, animal physiology and aestho-physiology. He discovered a "third eye" on the abdomen of the swallowtail butterfly when he was a graduate school student. Since then, he has been involved in studies concerning the mechanism and functions of the photo-sensory system. It is his belief that scientific findings on the "micro-brain" of insects will eventually yield important clues to understanding the mechanism of the human brain.

He is currently studying the underlying neural mechanisms of the colour sense using chiefly swallowtail butterflies. In his laboratory, he makes effective use of multidisciplinary experimental methods including behaviouristics, electro- and optophysiology, histology and molecular biology to study the sensory world of insects.

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