



IAPG



STRATEGYAV21

Top research in the public interest

The Drutovič and Hejnar Labs invite you to a guest lecture

The impact of genetic cheating on mammalian reproduction and speciation

Discover how genes can cheat to break rules of inheritance.

Dr Takashi Akera

National Institute of Health
USA



April 2, 2026
11:00 AM

Tyrkysová Lecture Hall, IEM CAS

LECTURE HIGHLIGHTS

How do selfish genetic elements break Mendel's law of segregation?

How does meiotic drive influence fertility, evolution and genetic disorders?

How do genes preferentially segregate into the egg during female meiosis?



MORE INFORMATION

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ABOUT THE SPEAKER

Molecular biologist studying chromosome dynamics evolution and non-Mendelian inheritance.

He investigates how selfish genetic elements violate Mendel's law through meiotic drive and shape mammalian reproduction and speciation.

He combines mouse genetics, CRISPR/Cas9 system, high-resolution microscopy, and optogenetics to uncover mechanisms of female meiosis and biased chromosome segregation.