Modern Technologies In Gene Expression Detection And Data Integration

An International Lecture and Practical Course

July 18–26, 2006, Debrecen, Hungary

Debrecen Clinical Genomics Center, University of Debrecen

Sponsored by:

Howard Hughes Medical Institute and The Research Center for Molecular Medicine, University of Debrecen

Course director:
Laszlo Nagy (University of Debrecen)

Faculty:

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Peter Davies (University of Texas-Houston)

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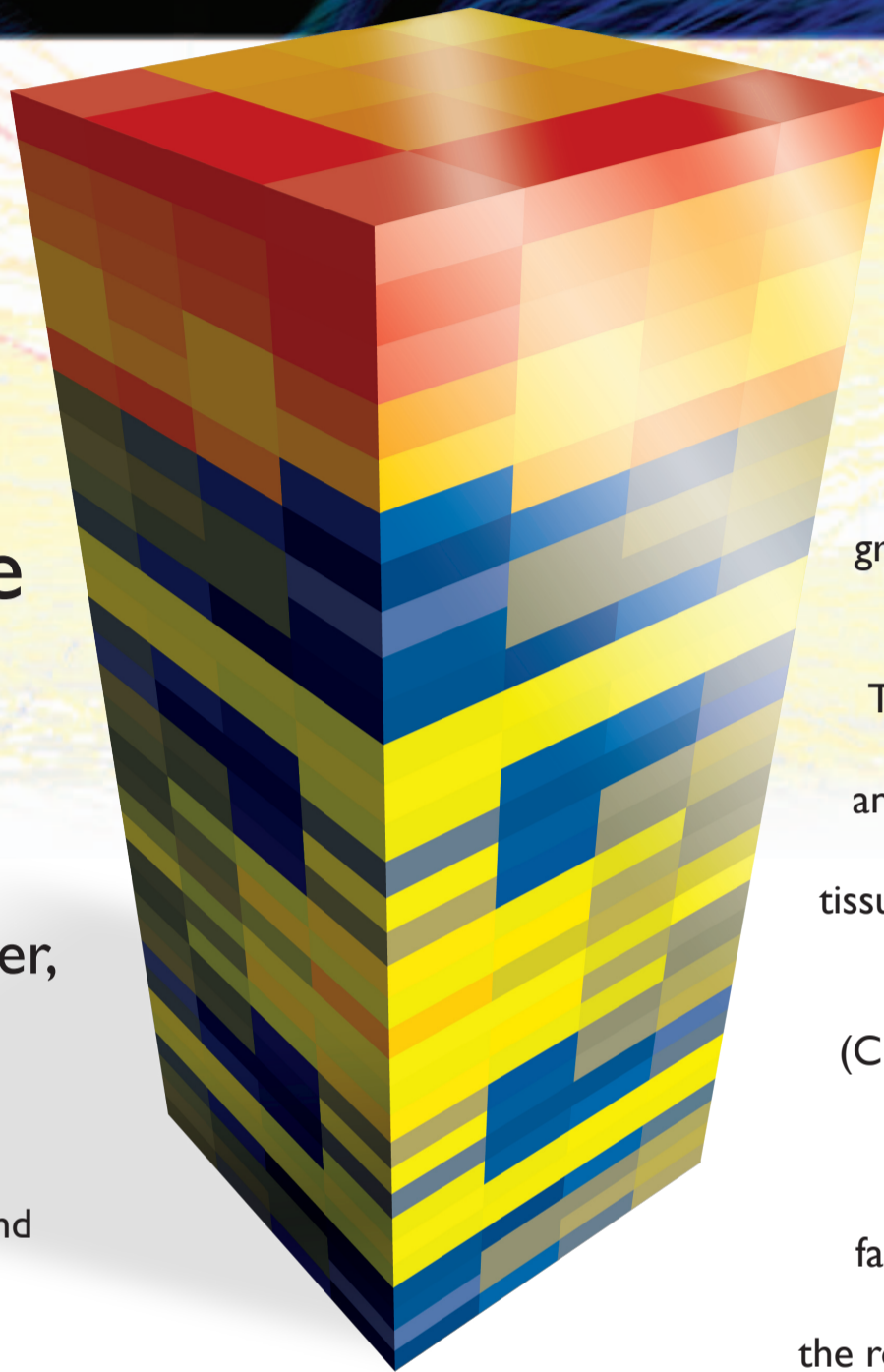
Michael Mancini (Baylor College of Medicine)

Eric Miska (University of Cambridge)

Laura O'Neill (University of Birmingham)

Ramin Shiekhattar (Wistar Institute)

Sandor Suhai (DKFZ, Heidelberg)

Zoltan Szallasi (Harvard University)

Applications are invited for this HHMI-sponsored international course for graduate students, postdoctoral fellows, and junior faculty.

This hands-on course explores technologies for detecting and quantifying gene expression in mammalian cells and tissues, such as DNA microarrays, real-time PCR, chromatin immunoprecipitation (ChIP)-on-chip technologies, and bioinformatics of integrated datasets. Topics include transcription factor-regulated gene networks, epigenetic modifications, the role of siRNA and microRNAs, and novel methods for visualizing gene expression.

Application deadline: April 30, 2006

**More information:
www.hhmi.org/grants/courses**

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