

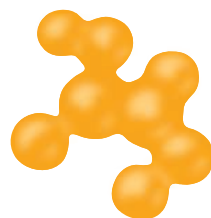
A microscopic view of several cells, likely fibroblasts, with prominent nuclei and cytoplasm, set against a warm, orange-toned background. The cells are interconnected, with one large cell in the foreground and others in the background.

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#### Asynt

For info: +44-(0)-1638-781709  
www.asynt.com/product/drysyn-chilliblock-system

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# The Chemistry of Genome Editing and Imaging

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**JENNIFER A. DOUDNA**  
Welch Conference Chair  
*Li Ka Shing Chancellor's Chair  
in Biomedical and Health Sciences  
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of California, Berkeley*

We are in the midst of a revolution in our ability to query and alter genetic material. Basic research uncovered CRISPR-Cas9 and related enzymes as tools for genome editing, paving the way for both fundamental and applied research and applications.

## SPEAKERS AND SESSION LEADERS

### Session I – Mechanisms

Samuel H. Sternberg, *Columbia University*  
Taekjip Ha, *Johns Hopkins University*  
Stephen Kowalczykowski, *University of California, Davis*  
Martin Jinek, *University of Zurich*

### Session II – Applications

David Taylor, *The University of Texas at Austin*  
Jonathan Weissman, *University of California, San Francisco*  
Jay Shendure, *University of Washington*  
Niren Murthy, *University of California, Berkeley*

### Session III – Imaging

Ke Xu, *University of California, Berkeley*  
Alice Ting, *Stanford University*  
Xiaowei Zhuang, *Harvard University*  
Ernest Laue, *University of Cambridge*

### Session IV – Alternatives/ Future Directions

Alexis Komor, *University of California, San Diego*  
Akihiko Kondo, *Kobe University*  
David R. Liu, *Harvard University*  
Kira Makarova, *National Institutes of Health*

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