



## MEETING AGENDA

# DNA for Digital Storage II

The Banbury Center, Cold Spring Harbor Laboratory, New York, USA  
March 3-5, 2019

This meeting was funded by **CATALOG, Conagen Inc., Microsoft Corporation** and **Twist Bioscience** with additional support from **Columbia University Data Science Institute**

### Organizers:

Ewan Birney, European Bioinformatics Institute;  
Yaniv Erlich, Columbia University & MyHeritage;  
Nick Goldman, European Bioinformatics Institute;  
Jean-François Lutz; CNRS- Institut Charles Sadron

A spring 2018 Banbury Center meeting convened experts from diverse sectors and disciplines to examine the use of DNA encoding for data storage. This 2019 Banbury meeting revisited the state of the field, including current knowledge, (new and residual) limitations, and opportunities for research and commercial exploitation.

## SUNDAY, MARCH 3

---

Afternoon Participant arrivals

**6:00 pm** Reception, dinner

## MONDAY, MARCH 4

---

**7:15 am** Breakfast at Robertson House

**8:30 am Welcoming and Introductory Remarks**

Rebecca Leshan, The Banbury Center, Cold Spring Harbor Laboratory  
Ewan Birney, European Bioinformatics Institute, Cambridge, UK

**8:45 am SESSION 1: Information – Theoretic Progress**

Nick Goldman, EMBL-European Bioinformatics Institute, Cambridge, UK  
Karin Strauss, Microsoft, Redmond, USA  
Zohar Yakhini, IDC Herzliya, Israel  
Yaniv Erlich, Columbia University & MyHeritage, New York, USA



**10:55 am SESSION 2: Synthesis Technologies**

Henry Lee, Harvard Medical School, Boston, USA

Jean-François Lutz, CNRS - Institut Charles Sadron, Strasbourg, France

Patrick Cai, University of Manchester, UK

**12:30 pm** Luncheon at Robertson House

**2:00 pm** *[continued]* **SESSION 2: Synthesis Technologies**

Roeland Nolte, Radboud University, Nijmegen, Netherlands

Mark Somoza, University of Vienna, Austria

**3:20 pm SESSION 3: Companies**

Brian Bramlett, Twist Bioscience, San Francisco, USA

Hyunjun Park, CATALOG, Cambridge, USA

Sebastian Palluk, Ansa Biotechnologies, Berkeley, USA

Jiahao Huang, Nuclera Nucleics, Cambridge, UK

**5:25 pm General Discussion & End of Day Wrap-Up**

**6:00 pm** Reception, dinner

## TUESDAY, MARCH 5

---

**7:15 am** Breakfast

**8:30 am SESSION 4: Economics, Ecosystem, and the Storage Industry**

Ethan Miller, University of California, Santa Cruz, USA and Erez Zadok, Stony Brook University, Stony Brook, USA

Dina Zielinski, Institut Curie, Paris, France

**9:40 am SESSION 5: Systems**

Robert Grass, ETH Zurich, Switzerland

Luis Ceze, University of Washington, Seattle, USA

**11:00 am SESSION 6: Meeting Wrap-Up**

**12:15 pm** Luncheon at Robertson House

— END OF PROGRAM —



## MEETING PARTICIPANTS

---

Ewan Birney, European Bioinformatics Institute  
Brian Bramlett, Twist Bioscience  
Patrick Cai, University of Manchester  
Luis Ceze, University of Washington  
Yaniv Erlich, Columbia University  
Nick Goldman, European Bioinformatics Institute  
Robert Grass, ETH Zurich  
Jiahao Huang, Nuclera Nucleics  
Henry Lee, Harvard Medical School  
Casey Lippmeier, Conagen  
Jean-François Lutz, Institut Charles Sadron  
Ethan Miller, University of California, Santa Cruz  
Roeland Nolte, Radboud University  
Sebastian Palluk, Ansa Biotechnologies  
Hyunjun Park, CATALOG  
Mark Manuel Somoza, University of Vienna  
Karin Strauss, Microsoft  
Zohar Yakhini, Technion - Israel Institute of Technology  
Erez Zadok, Stony Brook University  
Dina Zielinski, Institut Curie