



# **DeviceEditor: implications for SBOL**



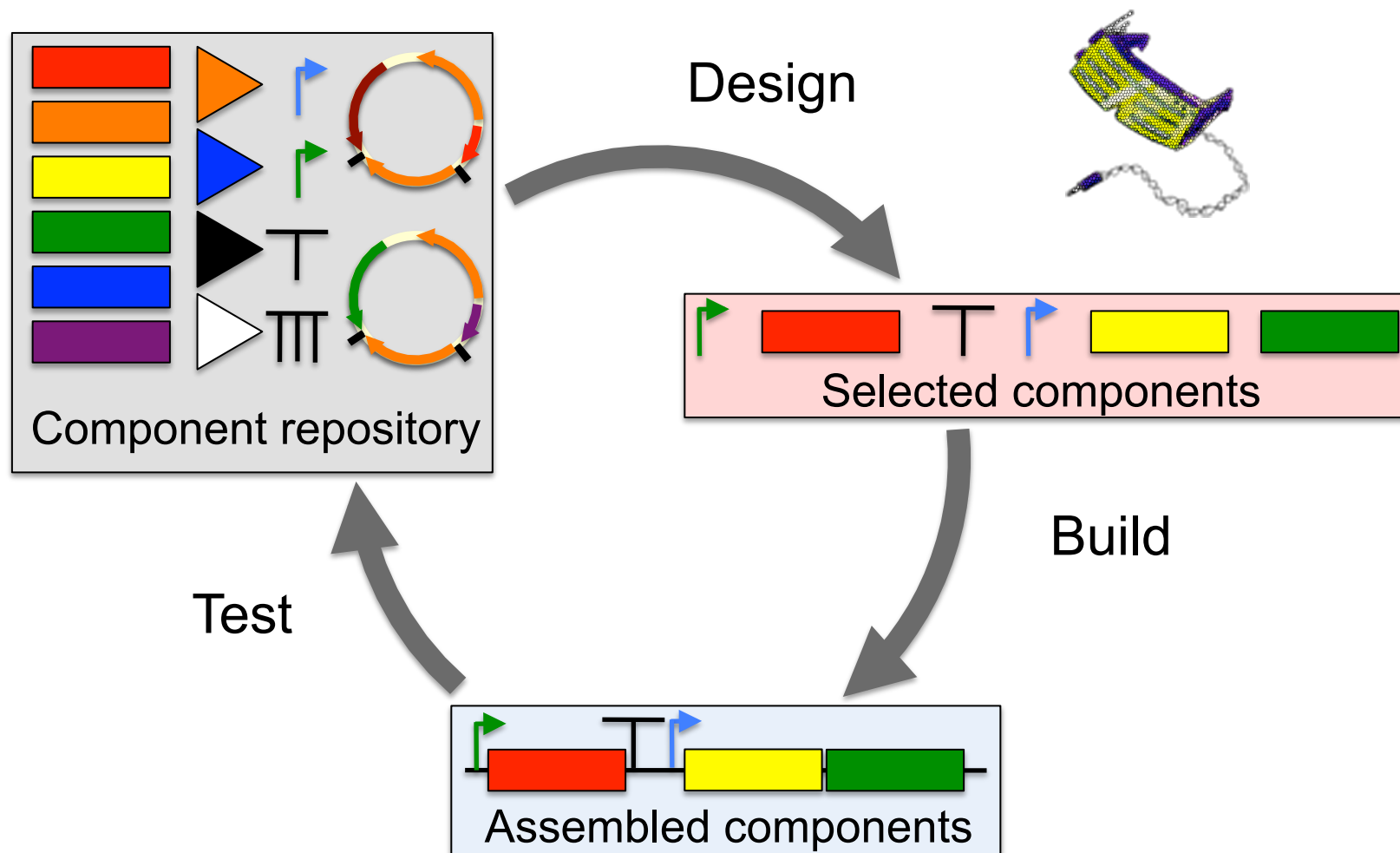
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SBOL Workshop: SBOL in Action  
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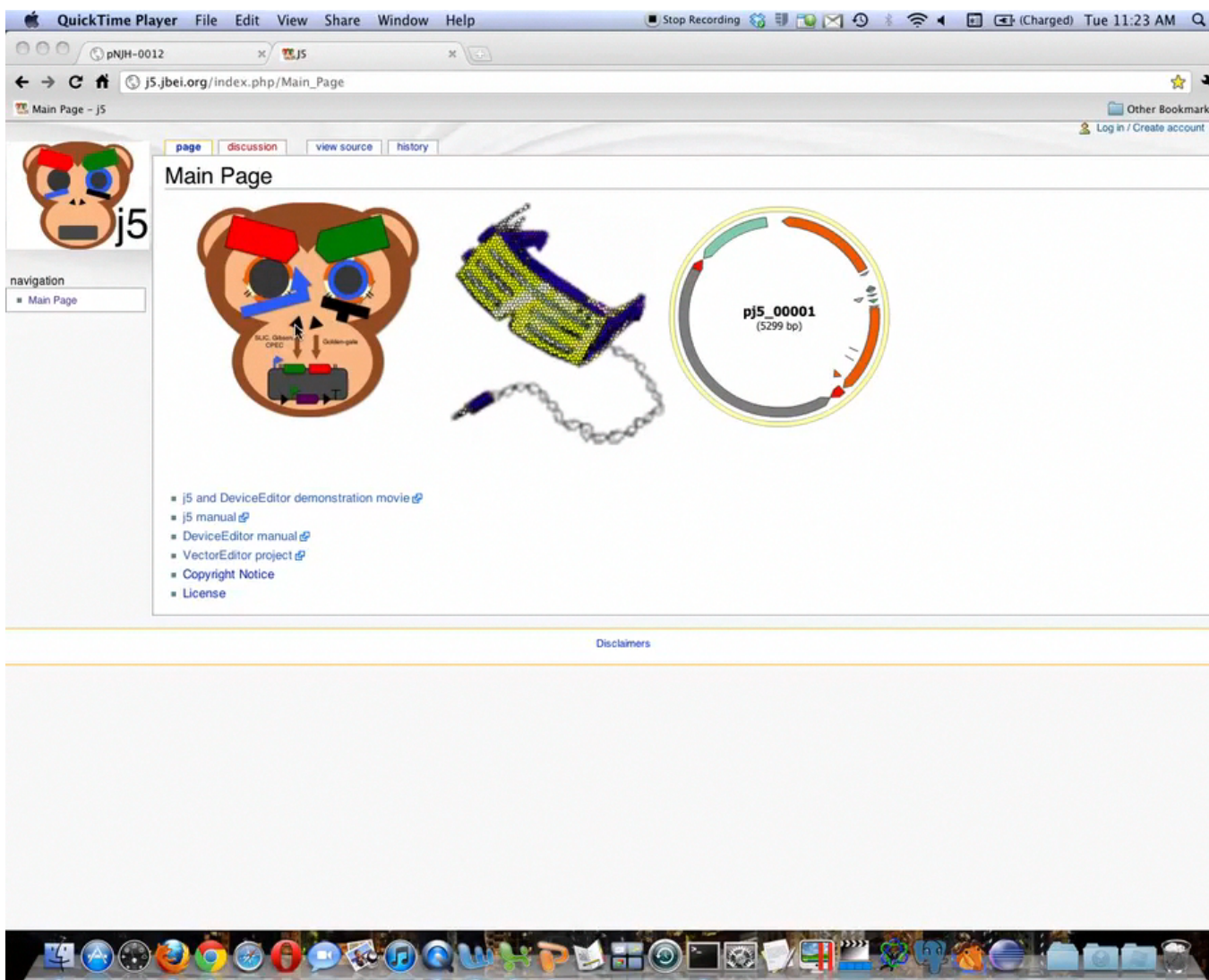
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# Synthetic Biology tool integration



# jbei DeviceEditor demo

Joint BioEnergy Institute



<http://j5.jbei.org>



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## SBOL Visual

- Icon selection process not standardized
- Need for “generic” icon

## SBOL

- Desire stable XML serialization to import SBOL into DeviceEditor
  - 1) SBOL not currently sufficient to reconstitute DeviceEditor designs
    - Embed SBOL Visual icon selection?
    - Explicit (combinatorial) DNA component ordering?
    - Replicate/linked DNA components?
    - DNA template sequence context
  - 2) DeviceEditor XML serialization documentation online
- Copy/paste SBOL via system clipboard interface

DeviceEditor clipboard interface documentation online



# jbei Acknowledgements

Joint BioEnergy Institute

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## SBOL Visual

Cesar Rodriguez  
Joanna Chen

## Funding

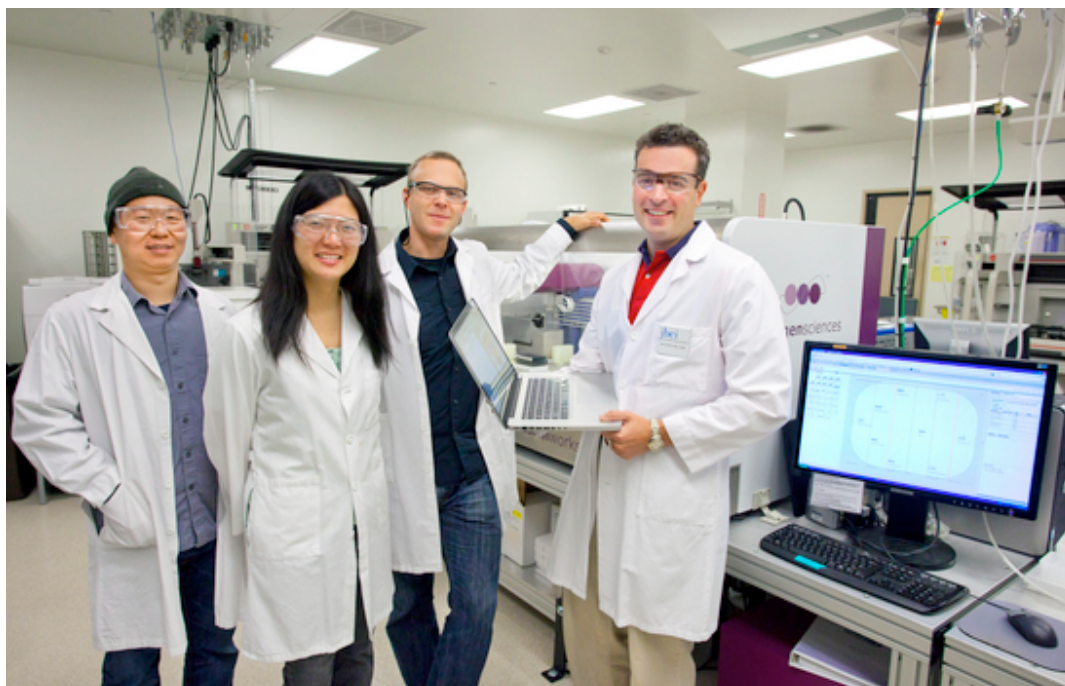
DOE Genomics/GTL/BRC (JBEI)  
Berkeley Lab LDRD

## DeviceEditor

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Tim Ham  
Zinovii Dmytriv

## VectorEditor

Tim Ham  
Zinovii Dmytriv  
Hector Plahar



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