BioJS @ Biohackathon Paris 2018

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What is BioJS?

A suite of Javascript-based re-usable biological tools

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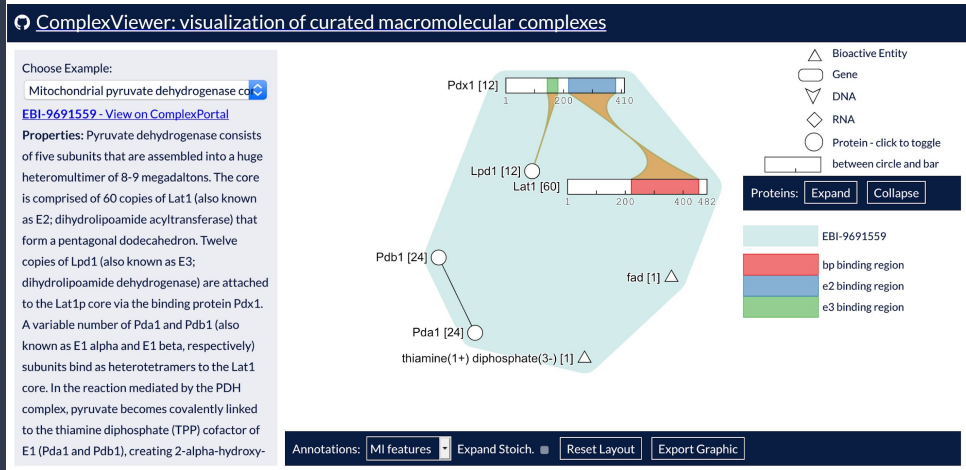
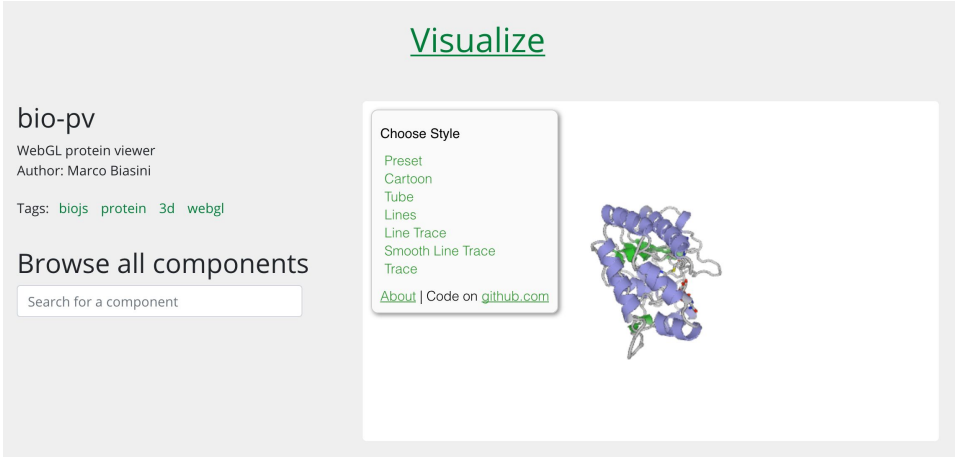
- **Searchable registry**
  - “Show me a tool for protein structure visualisation”
- **Browser based visualisations**
  - All data on client side
- **Online registry of existing components**
  - Also incorporates BioNode (i.e. non-visual data processing tools)
- **Off-the shelf widgets**
  - Not a toolbox/development library like e.g. D3.js
- **New website published this summer**
  - GSoC project rebuilt the website and server
  - Some loose ends

Some of the tools

Visit biojs.net to view the full searchable registry





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How YOU can help us!

We have funky stickers for contributors!

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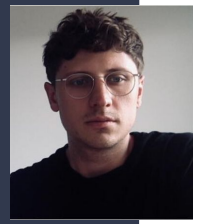
- **Galaxy admins / developers**
  - Investigate/implement improved Galaxy & BioJS integration
  - Other integrations welcome
- **Javascript/API/Web devs**
  - Improvements to the example visualisations on the new site
- **People with Jekyll and/or Ruby experience**
  - We have a BioJS training site we'd like to resurrect!
- **Designers, data vis** & **JS** developers
  - Mock up or implement new biological components
  - Any ideas for visualisation welcome too

Hackathon Goals

Three days of hacking

- **Galaxy Integration**
  - Prototype integration for 1 component
  - Plan to move forward on the future
- **BioJS Website**
  - Fix visualisation/rendering of example snippets
  - Moving away from old infrastructure
- **Revived Training Site**
  - Up and running education/training site re-using existing and possibly updated content.
- **New Components**
  - Ideas/Mockups/Prototypes for new components

Project Leads



Dennis Schwartz

@dschwartz_pf
@DennisSchwartz
dennis.schwartz1989@gmail.com

Yo Yehudi

@yoyehudi
@yochannah
yochannah@gmail.com