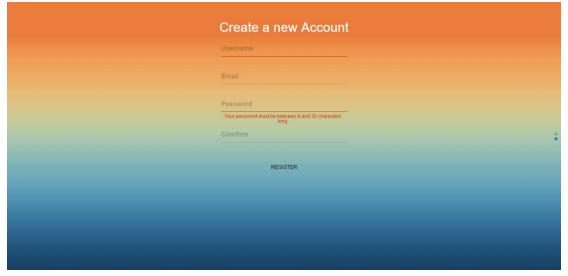
Visit our software at www.webonline.site



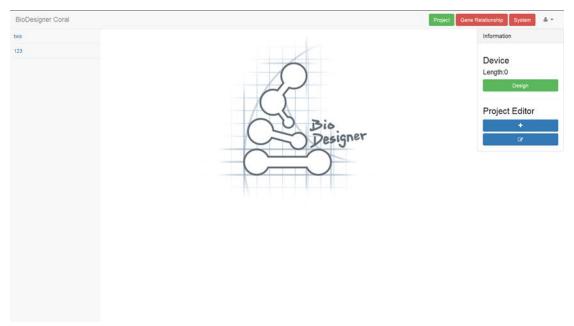
Unregistered users should register an account by filling in the required information. (Roll down and you will see the registration page.)



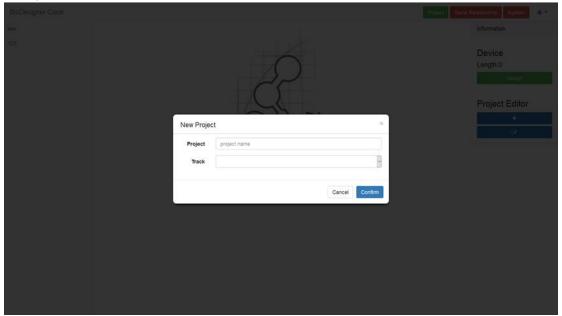
Project

1. After you log in, you will see the home page.

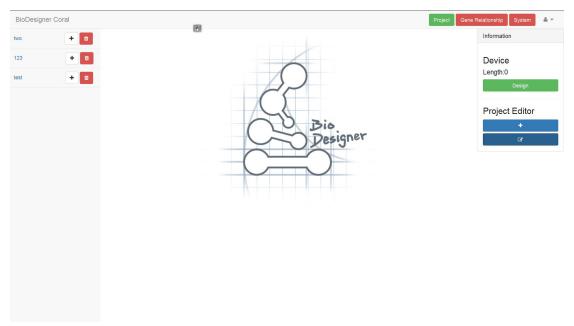
Your projects will be listed in the left navigation bar. The drop-down menu on the top right corner allows you to change your password or log out. Clicking on the button on top navigation bar, you can change to a different page.



2. To design parts, you should first click on +, give a name to your project and select track, then click on CONFIRM.

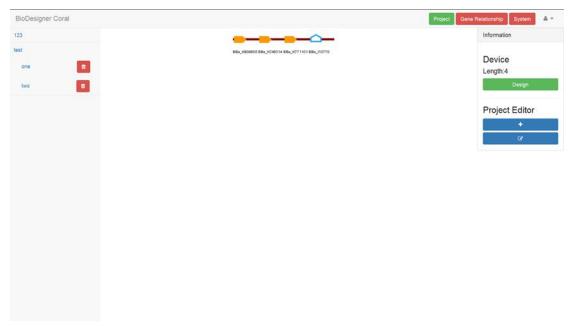


3. Click on the *Pencil* button, two new buttons which means *add* and *delete* will appear, following the name of your project. Clicking on the *Pencil* button again, *add* and *delete* button will disappear.



- 4. Click on *add* button, give a name to your device and confirm, then you can design your parts and device.
- 5. Click on the name of our project and you can see all the devices you created. Click on the name of your device, and you can see the simplified picture, as well as the length of it.

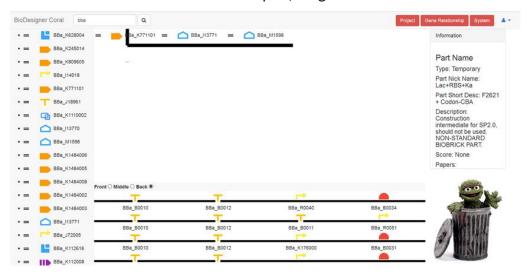




6. Click on the name of your device, then click on DESIGN button on the right side; the software will jump to the design page.

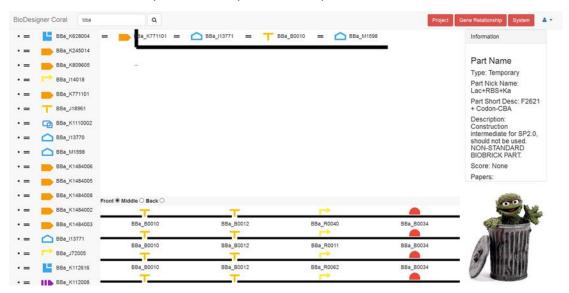
Design

- 1. You can choose what kind of recommendation you want. Click on *back, middle* and *front,* the software will recommend parts that may appear after the last part, in the middle of the last two parts, and in front of the last part of your device.
- 2. You can type in key words and search for parts in the searching box on the top left corner.
- 3. Put your mouse on the double lines beside a part. If you see a four-headed arrow, drag that part and drop it in where you want it to be. Clicking on any part on the canvas, you can see its information on the right side. To delete a part, put your mouse on the double lines beside that part, drag it into the dust bin below.



6. Once a part is added, recommendation will be generated automatically, if you

cannot see the results, try to change to another type of recommendation. Continue dragging the recommended parts and drop it to anywhere you want, not only the end of the chain. And you can freely switch two parts on the canvas.



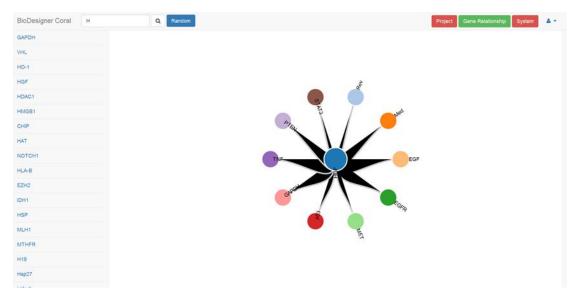
7. We provide real time saving. Your design will be automatically saved in the database.

Gene relationship

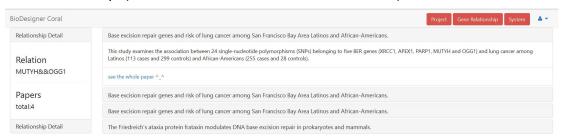
1. Click on Gene relationship button and you will see the Gene relationship page. The software will show you a gene randomly, and present its related genes. Click on any gene circles and you can see their related genes.



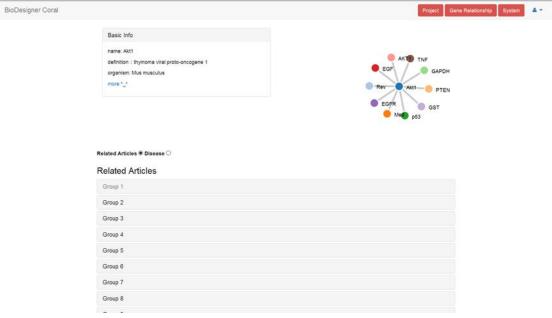
2. Input the name of a specific gene in the searching box, you can see a list of related genes. Click on them and they will appear in the middle of the screen.



3. Click on the line between two genes, you can see sentences which demonstrate their relationship. (The sentences also come from literatures)

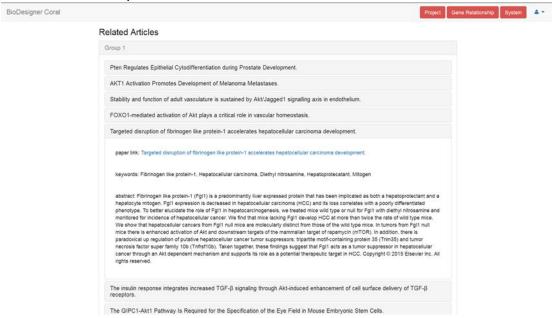


4. Right click the ball that represents a gene, you can see the detailed information of that gene. You can see literatures that contain information about that gene, as well as the related diseases. You can also have access to these literatures on ncbi. (The balls on the right side can also lead you to the detailed information of gene.)

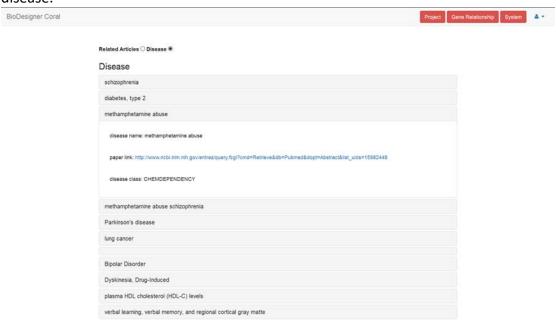


5. Literatures are categorized into several groups. If you choose related articles, click

on one group and you can see a list of literatures; click on the names and you can see the abstract and key words.

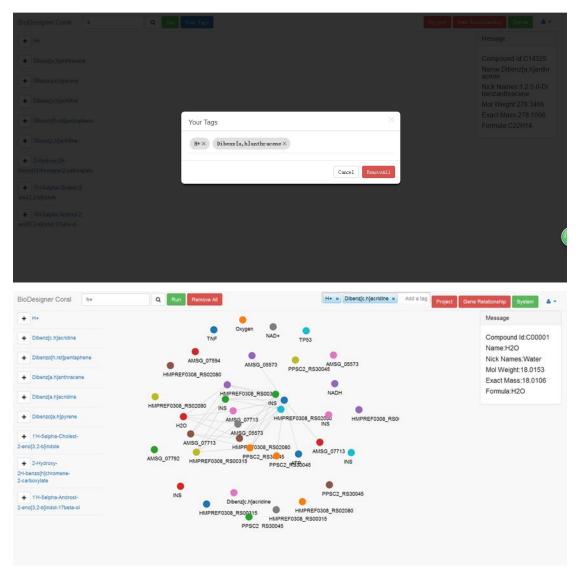


6. If you choose *disease*, you can see the names and information about that related disease.



System

- 1. Click on System button and you will see the system recommendation page.
- 2. On the left side, you can type in key words and search for parts or compounds.
- 3. Click on + beside the parts or compounds which you are interested. Click on Your Tags button, you can see the parts or compounds you just added. Click on RUN button, wait for a few seconds, and you can see the map of their relationship.



- 4. Click on the nodes on the canvas, the information of corresponding gene or compounds will be shown on the right side.
- 5. Click on REMOVE ALL button and the parts or compounds you chose will be deleted.