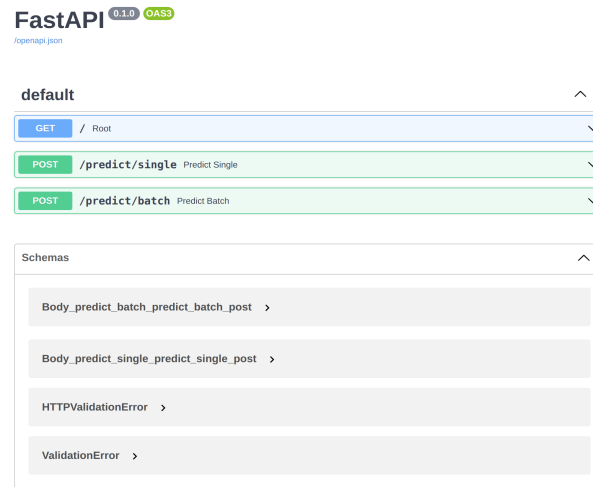
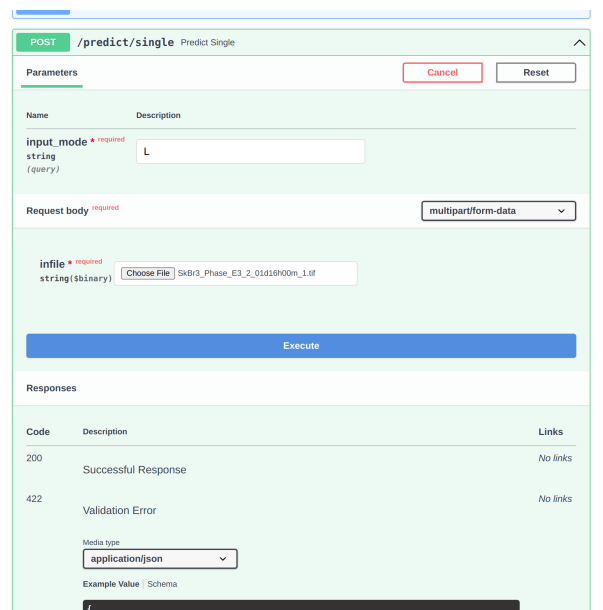


Cell Segger is currently deployed on Paperspace. When the Cell Segger on the server is running. Users can access the API interface by the address '<http://64.62.255.225:8000/docs>' in any internet browser. The Cell Segger API looks like the following.



1. Cell Segger prediction on a single image.

Collapse the '/predict/single' tab, hit 'Try it out'. In the input_mode field, fill 'L' for grayscale image, 'RGB' for color image. Upload image to the infile field. Hit 'Execute'.



If the prediction is successful, the response code will be '200'. Hit 'Download file' to save the image containing the predicted masks to a local file.

Execute Clear

Responses

Curl

```
curl -X 'POST' \
  'http://64.62.255.225:8000/predict/single?input_mode=L' \
  -H 'accept: */*' \
  -H 'Content-Type: multipart/form-data' \
  -F 'infiles=SKBr3_Phase_E3_2_01d16h00m_1.tif;type=image/tiff'
```

Request URL

http://64.62.255.225:8000/predict/single?input_mode=L

Server response

Code	Details
200	<p>Response body</p> <p>Download file</p> <p>Response headers</p> <pre>content-disposition: attachment; filename=SKBr3_Phase_E3_2_01d16h00m_1_annotation.png content-length: 184372 content-type: image/png date: Fri, 30 Jun 2023 22:43:56 GMT server: ovicore</pre>

Responses

Code	Description	Links
200	Successful Response	No links
422	Validation Error	No links

Media type

application/json

Example Value | Schema

```
{
  "detail": {
```

2. Cell Segger batch prediction

Collapse the '/predict/batch' tab, hit 'Try it out'. Upload images to the infiles fields. Hit 'Execute'.

POST /predict/batch Predict Batch

Parameters

Cancel Reset

Name Description

input_mode ^{required}
string
(query)
L

Request body ^{required}
multipart/form-data

infiles ^{required}
array

Choose File SHSY5Y_Phase_B10_1_00d08h00m_3.tif

Choose File SKBr3_Phase_E3_2_01d16h00m_1.tif

Choose File MCF7_Phase_F4_1_01d08h00m_1.tif

Add string item

Execute Clear

Responses

Curl

```
curl -X 'POST' \
  'http://64.62.255.225:8000/predict/batch?input_mode=L' \
  -H 'accept: */*' \
  -H 'Content-Type: multipart/form-data' \
  -F 'infiles=SHSY5Y_Phase_B10_1_00d08h00m_3.tif;type=image/tiff' \
  -F 'infiles=SKBr3_Phase_E3_2_01d16h00m_1.tif;type=image/tiff' \
  -F 'infiles=MCF7_Phase_F4_1_01d08h00m_1.tif;type=image/tiff'
```

Request URL

After prediction is done, download the predicted image.

Execute

Clear

Responses

Curl

```
curl -X 'POST' \
  'http://64.62.255.225:8080/predict/batch?input_mode=L' \
  -H 'accept: */*' \
  -H 'Content-Type: multipart/form-data' \
  -F 'infiles=gSHSVY_Phase_610_1_00000000_3.tif;type=image/tiff' \
  -F 'infiles=gSHSVY_Phase_611_1_00000000_1.tif;type=image/tiff' \
  -F 'infiles=gMCP_Phase_611_1_00000000_1.tif;type=image/tiff'
```

Request URL

http://64.62.255.225:8080/predict/batch?input_mode=L

Server response

Code

Details

200

Response body

[Download file](#)

Response headers

```
content-disposition: attachment; filename="predictions.zip"
content-length: 2359866
content-type: application/x-zip-compressed
date: Fri, 30 Jun 2023 22:47:04 GMT
server: uvicorn
```

Responses

Code	Description	Links
200	Successful Response	No links
422	Validation Error	No links

Media type

application/json

Example Value | Schema