# MCP Workshop: Connect to an Existing Client (Postman)

In this guide, you'll learn how to connect your running MCP servers to a real-world client application. We'll use <a href="Postman">Postman</a>, which has built-in MCP support, to act as our client. This will allow you to explore your server's tools and resources interactively, just as an Al assistant would.

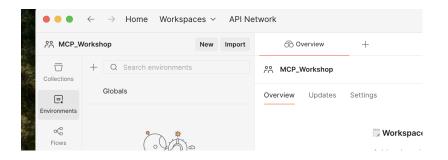
## **Prerequisites**

If you haven't already, download and install the Postman desktop app.

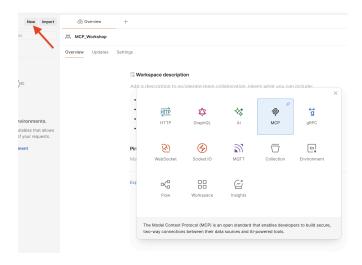
Download Link: <a href="https://www.postman.com/downloads/">https://www.postman.com/downloads/</a>

### Connect to the Servers

- Let's connect Postman to the SciLifeLab\_agent\_workshop/Section\_2\_MCP/existing\_clients\_and\_server s/postman\_mcp\_basic\_server.py file.
- 2. **Open Postman:** Launch the Postman application and create a workspace if prompted (e.g., MCP\_Workshop).



3. Create New MCP Request: In your workspace, click the New button.



4. **Rename the Request:** Click the default name (e.g., Untitled Request) and change it to something descriptive, like My\_MCP\_Server.

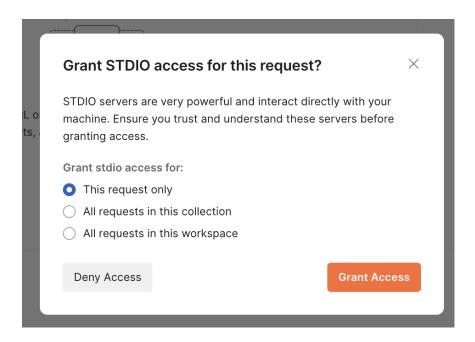


## 5. Load Configuration:

- Find the configuration file in your workshop materials:
  SciLifeLab\_agent\_workshop/Section\_2\_MCP/existing\_clients\_and\_s
  ervers/postman\_mcp\_basic\_server\_config.json
- Open this file in a text editor (e.g., VS Code or Notepad). Make sure to update it by adding the full path in the description.
- Copy its entire contents to your clipboard.

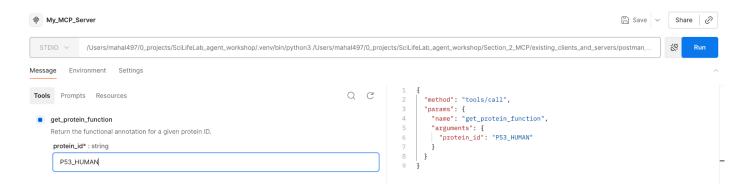
#### 6. Paste and Connect:

- Return to Postman and paste the copied JSON content into the main configuration window (labeled Enter command or paste JSON config). Refer to the image under point 3 for guidance.
- Click the Connect button.
- 7. **Grant Access:** Postman will show a security pop-up asking for permission to connect
  - Select This request only.
  - Click Grant Access.



- 8. Run a Tool: You are now connected!
  - Select the Tools tab in Postman.
  - Click on the get\_protein\_function tool.

- In the protein\_id\* (required) field, type P53\_HUMAN.
- Click the RUN button.



9. **Observe the Response:** Look at the **Response** panel at the bottom of the screen. You should see the JSON response from your server containing the protein's function!



10. Disconnect: Once you're done, click the Disconnect button at the top.

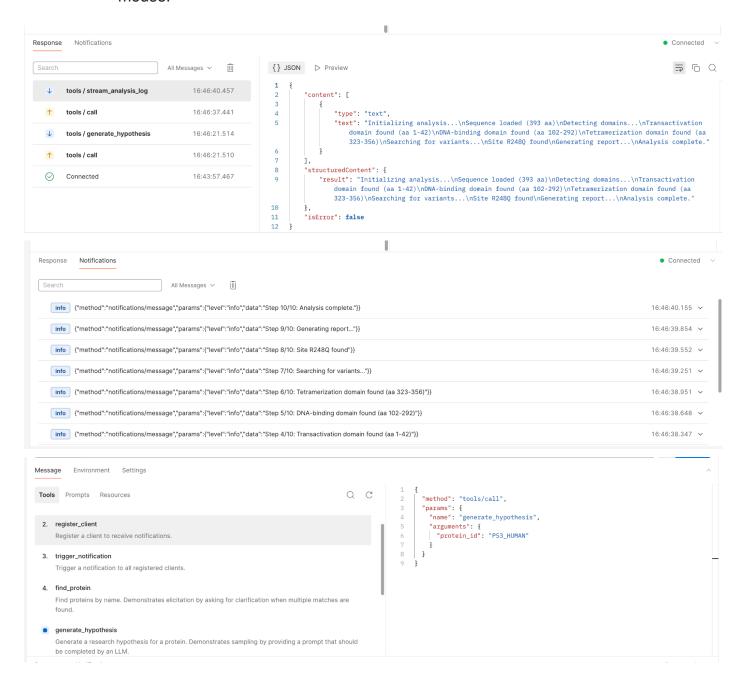


#### 11. Now we'll use the

SciLifeLab\_agent\_workshop/Section\_2\_MCP/existing\_clients\_and\_se rvers/postman\_mcp\_advanced\_server.py file for the advanced server. Repeat the process from step **one**, but in step **five**, use the SciLifeLab\_agent\_workshop/Section\_2\_MCP/existing\_clients\_and\_se rvers/postman\_mcp\_advanced\_server\_config.json file instead.

- 12. **Explore!** You are now connected to the advanced server.
  - Click the **Tools** tab. Notice all the new tools: find\_protein, generate\_hypothesis, stream\_analysis\_log, etc.
  - Click the Resources tab. You'll see the resources defined on the server, like dataset://proteins.

• **Try it:** Run the find\_protein tool with the protein\_name set to p53. Observe the "elicitation" response it returns, asking you to choose between human and mouse.



# **Workshop Complete**

You've successfully used a real-world client application to connect to and interact with your custom MCP servers. This demonstrates how any MCP-compliant application (like an Al assistant) can discover and use the tools you build.

Happy learning!