1. VS CODE

- Install VS code
- Click extension and install remote ssh
- (install openSSH or something similar, this might not be necessary)
- Close and open VS code once

# 2.A CONNECT TO EBERBERGER CLUSTER

VPN CONNECTION

- You need to get a VPN certificate from Stephan/Kathi
- Install a VPN tool
  - Windows: OpenVPN Client Community Edition https://openvpn.net/community-downloads/
  - MacOS: Tunnelblick https://tunnelblick.net/downloads.html
  - Linux: OpenVPN Client Linux, per Command Line
- Open the tool and use the certificate to open the vpn connection

CONNECT IN VS CODE

- Go back in VS code
- Then click the external connection button on the left side of VS code
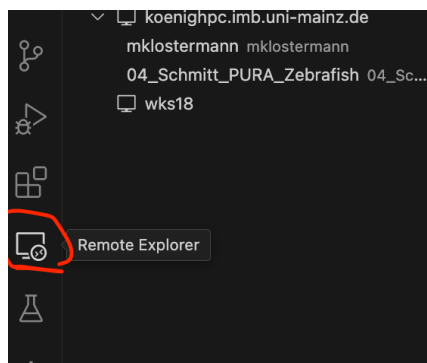
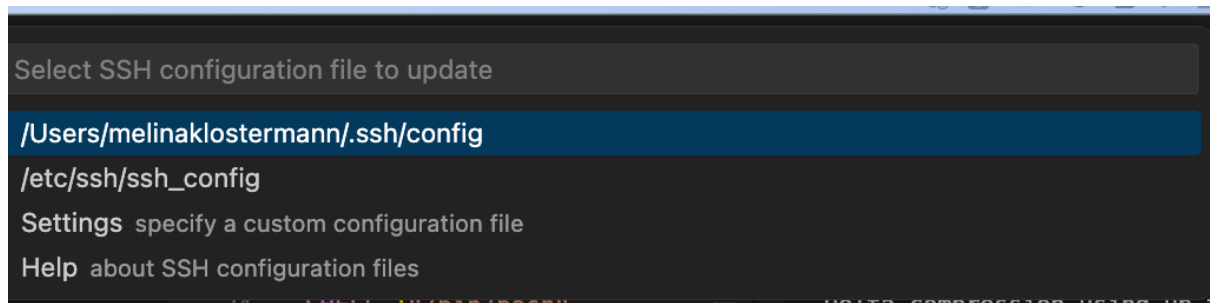- Click the plus next to ssh
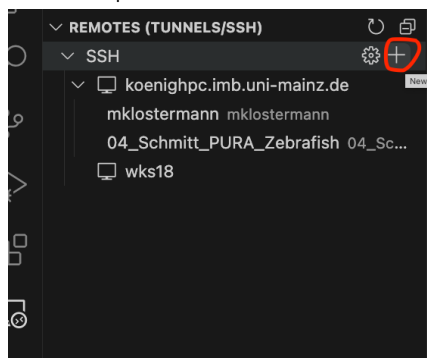
- enter in the top line in the middle

```
ssh <your_user_name>@wks04.izn-ffm.intern
```

➔ <your_user_name> is the username you got from Stephan
➔ wks04 You can put any of the workstations (wks01, wks02, wks03 …)

- next you will be asked to specify a config file

Select SSH configuration file to update

/Users/melinaklostermann/.ssh/config
/etc/ssh/ssh_config
Settings specify a custom configuration file
Help about SSH configuration files

- choose a location for the config file (usually the first option is good)
- then click "open config" in the bottom right corner

(i) Host added! ⚙ ✕

Source: Remote - SSH   Open Config   Connect
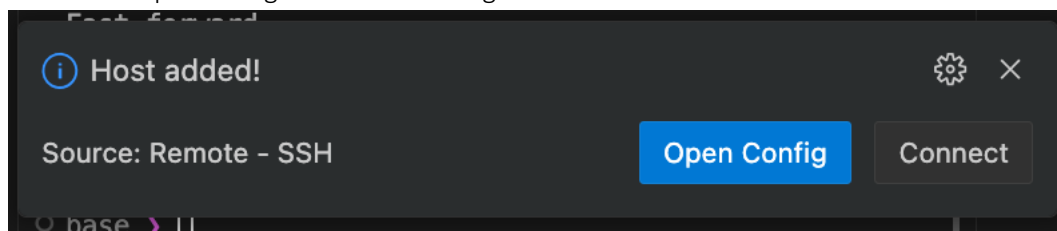
then enter in the config file:

```
Host AK-Ebersberger wks04

HostName wks04

User <your_user_name>

ServerAliveInterval 60

ServerAliveCountMax 20
```
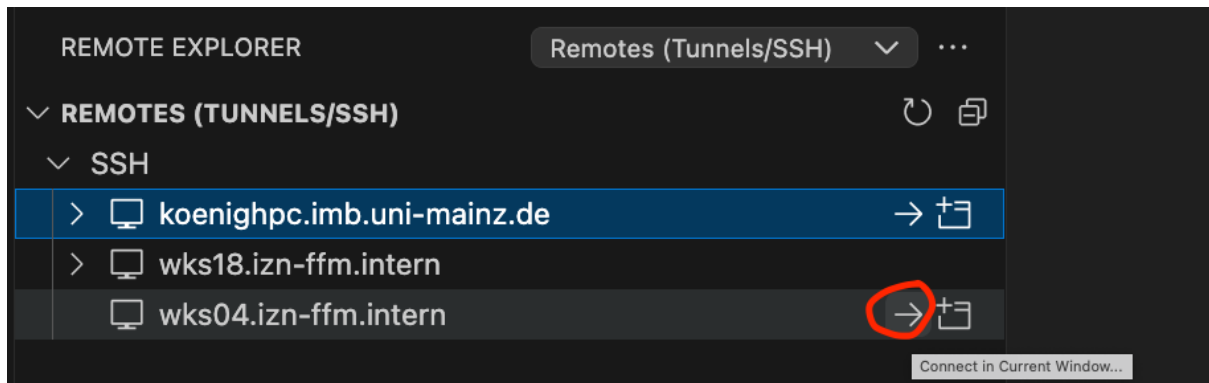
- close and reopen VS code
- click again on the external connection symbol on the right
- now you should see wks04 as a connection
- you can click on the arrow next to wks04 to connect

- you need to enter your password in the top middle
- now you should be connected to the cluster
- you can open your home folder oder the share/projects/zarnack folder by clicking "open folder"

Possible problems:

In case you get an error message stating "bad owner" follow the steps given in this blog post: https://petertran.com.au/2018/06/06/bad-owner-permissions-ssh-config/