

HADDOCK / WeNMR Suite for Structural Biology

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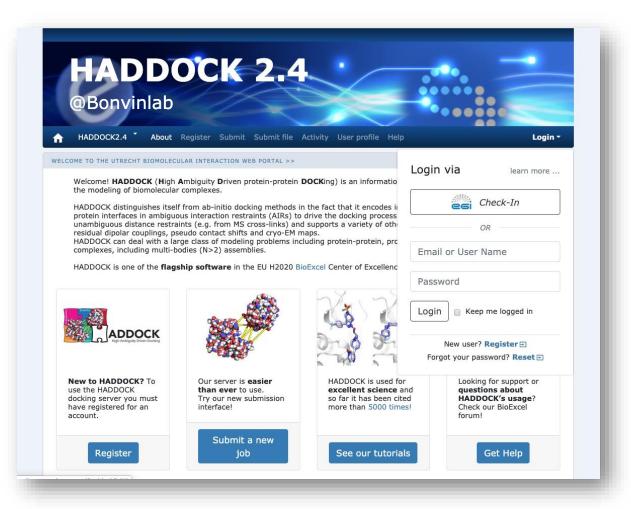


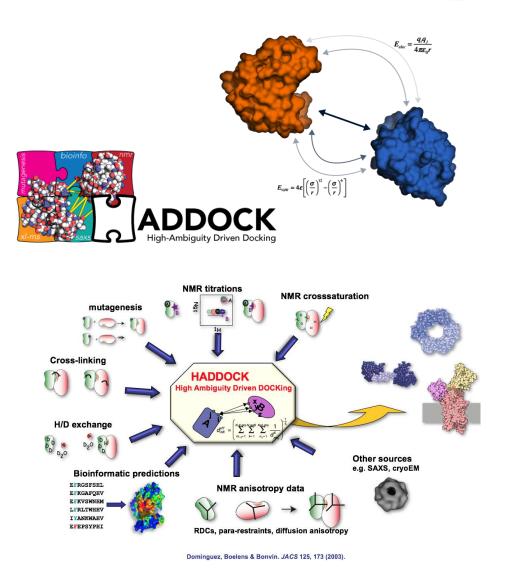


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EOSC-hub HADDOCK – integrative modelling platform







wenmr.science.uu.nl

EOSC-hub WeNMR thematic services



- The **WeNMR services** are based on:
 - A web page front end to the service exposed to the user
 - Back end consisting of a variety of software and scripts
 - Make use of the DIRAC4EGI/EGI workload service for distributing compute jobs and of some gLite components in some cases
 - Make use of the HTC EGI resources (grid, cloud, GPGPUs) of EOSC-Hub to distribute the computations
 - User registration and authentication mechanisms connected to EGI Check-in
 - Some portals make use of **OneData** for data management
 - Some portals use the INDIGO-Datacloud udocker solution



	Check-in					
Choose your academic/social account						
Q	Utr					
	Grafisch Lyceum Utrecht					
	Hogeschool Utrecht					
	Universitair Medisch Centrum Utrecht					
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EOSC-hub WeNMR/HADDOCK – Impact

w🧙-nmr

- > 16'000 registered users
- > 110 countries reached
- > 25 millions jobs submitted to HTC resources per year
- Portals in grid operation mode since
 >10 years by now
- Supported by enmr.eu VO
- Make us of DIRAC for job submission/management



https://wenmr.science.uu.nl/user_map

EOSC-hub HADDOCK COVID-related activities

w∲-nmr

- Modelling of Sarc-Cov-2 human protein interactions
- Screening of approved drugs against the protease
- User activities...
- HADDOCK2.4 server ready to flag submission as COVID and DIRAC machinery can target those to specific sites (thanks to Andrei Tsaregorotsev)

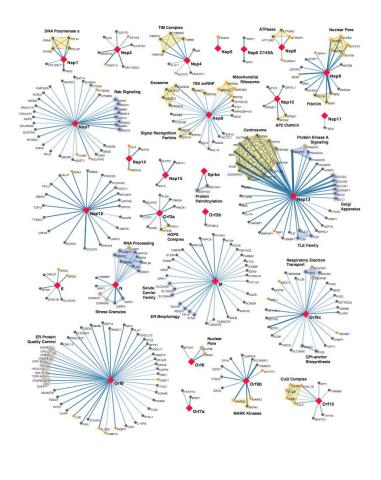
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Redirect to grid reso	ources			



Open Access

Network-based drug repurposing for novel coronavirus 2019-nCoV/SARS-CoV-2

Yadi Zhou¹, Yuan Hou¹, Jiayu Shen¹, Yin Huang¹, William Martin¹ and Feixiong Cheng^{1,2,3}



Thank you for your attention!

Questions?





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