



CMWS Science Program Application 2022 (3rd call)

The Center for Molecular Water Science (CMWS) at DESY launches a third call for its Science Program (SP). The SP consists of projects within the CMWS jointly financed by DESY and the respective partners. The projects can be for PhD or postdoctoral positions, with different time limits depending on the modality. The SP projects will extend and further strengthen the common activities within the CMWS. Only personnel costs can be requested within the CMWS Science Program.

This call focuses on projects addressing the challenges and overarching questions in molecular water research described in detail in the CMWS White Paper (https://www.cmws-hamburg.de/about/white_paper/) published in 2021. With this, an improved fundamental understanding of the role of molecular water should be achieved in each of the scientific research pillars of CMWS. The deadline for submitting proposals within this third call, which will be evaluated by a committee of experts, is 18.07.2022.

Please direct any questions to Pablo Pinacho (pablo.pinacho@desy.de, Tel.: 040 – 8998 6230), Melanie Schnell (melanie.schnell@desy.de, Tel.: 040 – 8998 6240), or Claudia Goy (claudia.goy@desy.de, Tel.: 040 – 8998 1918).

1. General information

External partner 1		
Name of PI	Position	University/Institute
External partner 2		
Name of PI	Position	University/Institute
DESY partner		
Name of PI	Position	Division/Group
Title of project		
Duration of project (max. 3 years for PhD, max. 2 years for postdoc)		
Contribution to the research challenges for the CMWS		
Requested PhD position(s) / own contributions		

Please mark the research pillars of CMWS to which the project contributes most:

- | Main pillar | Secondary pillar (optional) |
|--|--|
| <input type="checkbox"/> Fundamental Properties of Water | <input type="checkbox"/> Fundamental Properties of Water |
| <input type="checkbox"/> Water in Climate-, Astro-, and Geo-sciences | <input type="checkbox"/> Water in Climate-, Astro-, and Geo-sciences |
| <input type="checkbox"/> Water in Energy Research and Technology | <input type="checkbox"/> Water in Energy Research and Technology |
| <input type="checkbox"/> Real-Time Chemical Dynamics | <input type="checkbox"/> Real-Time Chemical Dynamics |
| <input type="checkbox"/> Water in the Molecular Life Sciences | <input type="checkbox"/> Water in the Molecular Life Sciences |



2. Abstract (max. 300 words)



3. Scientific case and methodology (including unique features) (max. 600 words)



4. Goals and main deliverables (max. 500 words)

Please also indicate what challenges described in the CMWS White Paper will be addressed



5. Cooperation within CMWS (max. 500 words in total)

Please indicate what research groups are involved, how they are cooperating and benefitting from each other. Please also indicate the planned use of CMWS infrastructure.



6. Work plan and requested personnel funding (max. 1 page incl. figures)

Please give a justification for the requested funding and, if it applies, also for own contributions.