

SWEDISH PHD PROGRAMME FOR SYNCHROTRON SCIENCE AND APPLICATIONS

Call for participation in an EU COFUND Application

As a Big Science Nation, home to the world's most brilliant synchrotron, and a hotbed for leading photon science, Sweden aims to take the lead on educating the next generation of synchrotron experts through a new PhD research programme: *The Swedish PhD Programme for Synchrotron Science and Applications*.

The programme is envisioned to strengthen the network surrounding Swedish academia and MAX IV with regard to synchrotron methods for research. We invite you to get involved.

EU COFUND action

COFUND is a program within the European Commission MSCA framework. It co-finances new or existing doctoral programmes and postdoctoral fellowship schemes with the aim of promoting high standards in recruiting process, inter-sectorial mobility, and enhancing talent circulation. The programme requires cofunding from the applicants. The COFUND programme covers 70% of the salary of the early-stage research. Contact your university node for more information and read more on the European Commission COFUND [website](#).

Purpose of the programme

The proposed cofund initiative aims to strengthen the user community in advanced synchrotron methodologies, and ensure that users can take full advantage of different synchrotron techniques and further shape MAX IV. We welcome new users at the participating universities and institutes to engage in and apply for developmental projects together with MAX IV, and enable knowledge transfer between MAX IV and the partner universities.

Why join the programme as a co-applicant?

By joining the cofund programme, you will be able to:

- Increase the use of advanced synchrotron methods in your research
- Be a part of shaping the development of MAX IV
- Ensure that the Swedish synchrotron community remains world-leading
- Strengthen the competence exchange between MAX IV and your organisation
- Maximise the benefit from MAX IV development to society
- Promote synchrotron techniques as a research method together with other universities and industry
- Jointly build a career platform for mentorship programs and peer to peer networking in the synchrotron community

Who can join?

To be eligible you must come from a Swedish university or institute that can provide the supervision and scientific training and award a doctoral degree. The research programme welcomes principal investigators who want to work with interdisciplinary projects ranging from experimental and theoretical physics, accelerator science, materials science, life science, medicine and health, environmental science, cultural and geological heritage, to clean energy. Doctoral students must have a 3-48 months secondment on-site at MAX IV as well as a collaboration with industry and/or other stakeholders.

Key dates and deadlines

Sep 2021	Local information meetings
14 Oct 2021	Short information at the VR Summit in Uppsala
25 Oct 2021	User meeting workshop at Scandic Star in Lund: Present your research interests and get an opportunity to find partners
30 Nov 2021	Deadline for sending in project proposal
Mid-Dec 2021	Applicants will receive answers
23 Dec 2021	Deadline for Letters of Intent

Curious? Get involved!

Please join the local meetings at your university. Information will be sent out by your university. There is also a short introduction at the VR Summit in Uppsala on the 14th of October 2021, more information is to be announced. For more information contact:

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Read more on:

www.maxiv.lu.se/education-training/swedish-phd-synchrotron-programme/