

EU-OPENSREEN-DRIVE Medicinal Chemistry call 2022– Proposal Guidelines

Access: This EU-OPENSREEN-DRIVE medicinal chemistry call 2022 offers funding to enable transnational access to chemistry groups supporting a total of 3 projects coming from successful small molecule screening campaigns funded by EU-OPENSREEN-DRIVE.

Eligibility:

- Applicants may come from academia or industry (including SMEs).
- Applicants may be working in an institution of a European Member State or Associated country. Up to 2 projects will be open to applicants from outside Europe.
- User access is transnational only. Users are not allowed to access facility(ies) in their home country.
- Principal investigators and members of their research groups from EU-OPENSREEN-DRIVE beneficiaries are not eligible to apply.
- Applicants commit to have legal and ethical consent regarding their research, their samples and/or their data prior to submitting their application.
- Applicants must agree to comply with the access, IP and dissemination policies described in the statutes of EU-OPENSREEN ERIC.
- Applicants must agree to comply with EU-OPENSREEN ERIC/ EU-OPENSREEN-DRIVE privacy policy and terms of submission.
- In case of doubts or questions relating to the eligibility criteria for this call please contact us at help-desk-open-call@eu-openscreen.eu (indicating “EU-OPENSREEN-DRIVE medicinal chemistry call” in the subject line).

Publication: Open access (gold or green, more details here: https://en.wikipedia.org/wiki/Open_access#Colour_naming_system) is required for any publication of access results. EU-OPENSREEN-DRIVE funding must be clearly acknowledged by: “This project has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement No 823893.”

Proposal and deadlines: Applicants will submit their proposals via the EU-OPENSREEN-DRIVE website, by connecting to the ARIA online submission platform. The online proposal submission will be open **until March 15th, 2022, 16:00 CET**. Applicants will be notified about acceptance or rejection of their proposal within 8-10 weeks after the closure of the medicinal chemistry call 2022.

ARIA: The ARIA application platform for EU-OPENSREEN-DRIVE is handled by Instruct-ERIC. Although potential EU-OPENSREEN-DRIVE users are requested to register with the ARIA system, the application, review, and reporting process will be handled by EU-OPENSREEN ERIC.

Detailed information about the call and EU-OPENSREEN chemistry groups offering access is available on <https://drive.eu-openscreen.eu/drive-startseite/index.php?id=130>



Application step by step:

Click on "Begin a new proposal" and follow the instructions.

1. Proposal Details (*required fields).

Complete the fields with details of the desired research. Please notice that instructions/ help text is available for each question pointing the mouse cursor on the question mark related to the field of interest.

Project title* provide a title for your project

Click or tap here to enter text.

Indicate your small molecule screening project PID* provide the PID assigned in Aria for your screening project

Click or tap here to enter text.

Attachments: please upload previous EU-OPENSREEN-DRIVE proposal (downloaded from the aria platform including the PID) related to the small molecule screening call, if applicable.

Choose file (maximum file size:10 MB)

Abstract of the scientific background, project overview and main objectives of the proposed research:* provide a concise project overview including target relevance, significance of proposed research and objectives including the expected impact of the research and the potential contribution of a new small molecule for further scientific investigation (e.g. information whether the identified molecules shall be used as probe or to build a starting point for a drug discovery project)

Click or tap here to enter text.



Relevant publications and patents, if any: * please report the relevant literature (up to 5 publications) including literature describing the screening target. For patents, please provide relevant information in the text box below and/ or as additional attachment.

Search by DOI, PMID, PMC, Title, Author – upload CSV/ search

Comments: please report here patent relevant information, if any.

Click or tap here to enter text.

Attachments: please upload attachments here.

Choose file (maximum file size:10 MB)

Please indicate the partner site of preference, if any. A detailed list and description of EU-OPENSREEN chemistry partner sites is available at <https://drive.eu-openscreen.eu/drive-startseite/calls/medicinal-chemistry-call-2022.html>. Please select one or multiple options from the drop-down menu (multiple choices are possible). In case of multiple choices please comment below your order of preference.

- Masaryk University (MU), Laboratory of Organic Synthesis and Medicinal Chemistry
- Technical University of Denmark (DTU), Department of Chemistry
- Latvian Institute of Organic Synthesis (OSI)

Click or tap here to enter text.

Please provide a brief description of yours/ PI's CV:* please include in this section a brief overview of your education, professional background, and expertise that supports the proposed research.

Click or tap here to enter text.



Please provide information about collaborators (other than the PI and her/ his research team) on this proposal:* please include name, surname, position, affiliation and reason for collaboration within this proposal and the expertise each collaborator will contribute.

Click or tap here to enter text.

Are there any known technical challenges related to the implementation of the project?

Please comment.

Click or tap here to enter text.

Please outline the scientific work including a detailed description of your previous and current work relating to the proposed project and planned follow-up experiments:*

Click or tap here to enter text.

Please specify the target:* please specify (if possible) the target using the identifiers derived from following databases depending on the target type:

Target TYPE	Where to find 'IDENTIFIER'
Protein	http://www.uniprot.org
Protein Complex	http://www.uniprot.org
Nucleic Acid	http://www.ncbi.nlm.nih.gov/genbank/
Cell line	http://www.lgcstandards-atcc.org
Tissue	http://bioportal.bioontology.org/ontologies/BTO?p=classes
Organism	http://www.ncbi.nlm.nih.gov/taxonomy
Pathway	http://www.reactome.org
	OR
	http://www.geneontology.org
None	-

Click or tap here to enter text.

Please specify the disease areas in which the target is involved.* Please select one or multiple options from the drop-down menu (multiple choices are possible):



cancer, neurodegenerative diseases, infectious diseases, inflammation and immunology, respiratory diseases, cardiovascular diseases and haematology, metabolic diseases, gastrointestinal diseases, rare diseases (please specify), other (please specify).

Specify: Click or tap here to enter text.

Please indicate already known molecules reported in the literature that are active against the proposed target (including CAS-Number (if available)) if known/ any:*

Click or tap here to enter text.

Please provide a detailed description of your screening campaign including experimental data.* Please include screening technology, description of the primary assay, and primary screening data. In case you apply with a EU-OPENSREEN-DRIVE screening project, which has not yet been terminated at the time of application, please provide preliminary screening data and detailed information about follow up assays.

Click or tap here to enter text.

Attachments: please upload attachments here.

Choose file (maximum file size:10 MB)

Please report on results of the screening campaign providing the list of validated hits* please include chemical structures of hits (in the attachments field below), counter-screen, IC50s/ EC50s established, confirmation of compounds purity and identity etc. In case you apply with a DRIVE screening project, which has not yet been terminated at the time of application, please provide preliminary information and a detailed description of next steps. Please notice that hits coming from the pilot library only will not be sufficient to apply.

Click or tap here to enter text.



Attachments: please upload here chemical structures of hits and any other relevant attachment.

Choose file (maximum file size:10 MB)

Please provide information about selectivity profile of the compounds and other secondary assays. Please describe assays available/ used to test selectivity, and comment on which in vivo models are available. Please include protocol details or literature references for mentioned assays.

Click or tap here to enter text.

Attachments: please upload here any attachment relevant to provide information about selectivity profile of the compounds and other secondary assays.

Choose file (maximum file size:10 MB)

Please provide any requirement for PK profiling including PK assays

Click or tap here to enter text.

Please comment on the capacity of your team to support the project:* please refer to the capacity in terms of FTEs (Full Time Equivalent to measure work time) and number of compounds tested.

Click or tap here to enter text.



Please comment on the scientific challenges and innovative potential of the proposed research.*

Click or tap here to enter text.

Please describe gender aspects of the proposed research.* Please address the gender aspects both, in the group/ team and in the research content

Click or tap here to enter text.

Additional attachments: please upload any additional document relevant for the evaluation of this proposal.

Choose file (maximum file size:10 MB)

Who else needs to be considered when looking at the IP of the project?

Click or tap here to enter text.

Ethics: does the research activity proposed within this call involve research on animals or any research requiring ethical approvals?

Yes (if yes, please specify) No

Specify: Click or tap here to enter text.

User statement:

I agree to be the principal investigator of the submitted project as it is described in the present application*.

I confirm that all relevant authorizations, declarations and accreditation from competent authority(ies) have been obtained in order to process the above mentioned samples and



data through EU-OPENSSCREEN-DRIVE, for the requested purposes, in full compliance with the applicable EU and National laws.*

All publications resulting or including data obtained through EU-OPENSSCREEN-DRIVE will be published under Open Access.*

Legal requirements for exporting/importing materials to/from other countries have been met.*

I agree that EU-OPENSSCREEN-DRIVE partners can exploit general information of my project for outreach and reporting purposes (respecting confidentiality of project specifics): in case that you do not agree, please give your explanation in the comment section below.

Comments: please add any additional relevant comment and/or information.

2. Your Research Team

Choose which local researchers from your lab will be involved in the project.

Principal Investigator: the principal investigator is a scientist eligible by their institution to apply for grants. Please note that the user profile will be the reviewer's main source of information about the PI, applicant and team.

Note: If you select a Principal Investigator other than yourself they will be contacted by email to verify this submission.

Home Lab Colleagues: in addition to the applicant, please indicate other members of your home institution that will be part of the research project. Only scientists mentioned in this section will be eligible to access facilities (if applicable) if the proposal is approved. Please note that the user profile will be the reviewer's main source of information about the applicant and the team.

Note: Applicants (including PI and home lab colleagues which are mentioned in the proposal) should register for an ARIA account prior to the submission of the proposal or login directly if they are already registered with an ARIA account. Once registered, the applicants are required to follow ARIA instructions. Please note that the user profile will be the reviewer's main source of information about the applicant and the team. Please make sure to provide adequate information for evaluation.

3. Exclude Reviewers

Feel free to exclude reviewers that may have a conflict of interest.

4. Confirm Proposal

Review the information you have entered and submit your proposal for moderation and review.

5. Accept terms and conditions of submission

Accept terms and conditions of the access routes you have selected.

6. Proposal submitted



Your proposal has been successfully submitted. You will receive a notification about acceptance or rejection of your proposal within 8-10 weeks after the closure of the medicinal chemistry call 2022.

