

# Cardio2share Submission and Query Guide

This manual explains how users can **search the database**, **download metadata**, and **submit new cohorts or experimental models** to the Cardio2share platform.

## Searching the database

The Cardio2share database allows users to search for patient cohorts, animal models, and cell models relevant to cardiovascular research. Public users can browse the whole database without registration and explore resources shared by other researchers. The database stores metadata describing available models and cohorts, together with contact information for collaboration.

Users can search the following resource categories (the database will start listing the uploaded datasets in alphabetical order):

### Patient cohorts

- Human clinical cohorts and datasets
- Searchable by name, disease type and measured variables (Figure 1)

The screenshot displays the Cardio2Share Database search interface. At the top, there is a navigation bar with links for Home, Cohorts, Animal Models, and Cell Models. Below this is a header for 'Available Cohorts'. The main search area includes three dropdown menus: 'Cohort Name', 'Cohort Disease', and 'Cohort Variables'. The 'Cohort Disease' dropdown is open, showing a list of conditions such as 'Abdominal aortic aneurysm' and 'Abnormal blood-pressure reading, without diagnosis'. The 'Cohort Variables' dropdown is also open, showing variables like 'Clinical parameters', 'Diastolic blood pressure', and 'Height'. There are 'Search' and 'Reset' buttons to the right of these dropdowns. Below the search area is a table listing available cohorts.

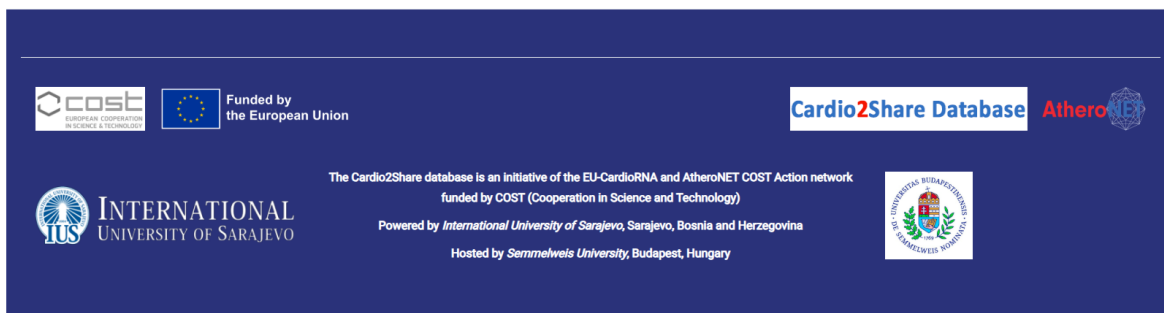
Name	Study Type	Cohort Diseases	Samples	Open for Collab.	Principal Investigator
<b>Biobank of Karolinska Endarterectomy</b> Patients undergoing carotid endarterectomy at the Department of Vascular Surgery, Karolinska University Hospital, Stockholm, Sweden are consecutively and prospectively included in the Biobank of Karolinska Endarterectomies (BIKE, established in 2002, close to 2000 patients) and their clinical data... more	Other	Ammaurosis fugax	NO	YES	 Ljubica.Matic@ki.se Karolinska Institute
<b>Cardiovascular Risk in Childrens with Chronic Conditions Study</b>	Cohort		NO	YES	 kiss.tamas@gyerekklinika.com Semmelweis University
<b>ENSATI</b> Effect of an intervention based on time-restricted eating, in comparison with traditional caloric restriction, on metabolism and molecular markers of aging in adults, men and women with overweight or obesity. A controlled, randomized, parallel group clinical trial. n = 177 Follow-up = 12... more	Clinical trial		NO	YES	 lidia.daimiel@alimentacion.imdea.org +34 917278100 IMDEA Food
<b>LUCKY</b> Lucky National Registry (Luxembourg Acute Myocardial Infarction Registry) - 500 patients with acute myocardial infarction, blood samples at baseline available, follow-up by echocardiography at 6 months, clinical data, mRNA microarray data in a subset	Prospective		NO	YES	
<b>PREDIMED-Plus</b> Primary prevention of cardiovascular disease through a multifactorial intervention with energy-reduced Mediterranean diet, physical activity and behavioural support in adults, men and women, with metabolic syndrome. A multicenter, controlled, randomized, parallel group clinical trial. N = 6,874... more	Clinical trial		NO	NO	 lidia.daimiel@alimentacion.imdea.org +34 917278100 IMDEA Food

Displaying 1 - 5 of 5

## Animal models

- Experimental animal models used in cardiovascular research
- Searchable by the following categories: Model Name, Openness for Collaboration, Availability Type, Cre Recombinase, Data type, Disease Model, Genetic Modification, Repository, Species, Zygosity (Figure 2)

The screenshot shows the 'Animal Models' search page of the Cardio2Share Database. At the top, there is a navigation bar with 'Cardio2Share Database', 'Home', 'Cohorts', 'Animal Models' (highlighted in red), and 'Cell Models'. Below this is a dark blue header with a white cat icon and the text 'Animal Models'. The main search area is a light grey box containing several dropdown menus: 'Model Name', 'Open for Collab.' (set to '- Any -'), 'Availability' (set to '- Any -'), 'Cre Recombinase' (set to '- Any -'), 'Data type' (set to '- Any -'), 'Disease Model' (set to '- Any -'), 'Genetic Modification' (set to '- Any -'), and 'Repository' (set to '- Any -'). Below these are 'Species' and 'Zygosity' dropdowns, both set to '- Any -', followed by 'Search' and 'Reset' buttons. Below the search area, a message reads 'No Record Found.' with a small icon.



## Cell models

- In vitro cell models
- Searchable by the following categories: Model Name, Openness for Collaboration, Species, Tissue of origin, Cell line/primary cells, Model Type, Disease Model, Availability type, Data type, Repository (Figure 3)

Cardio2Share Database Home Cohorts Animal Models **Cell Models**

## Cell Models

Model Name:

Open for Collab.:

Species:

Tissue of origin:

Cell line/primary cells:

Model Type:

Disease Model:

Availability:

Data type:

Repository:

No Record Found.



These filters help researchers quickly identify relevant experimental systems or cohorts for validation studies or collaborative projects.

## Registration to the database

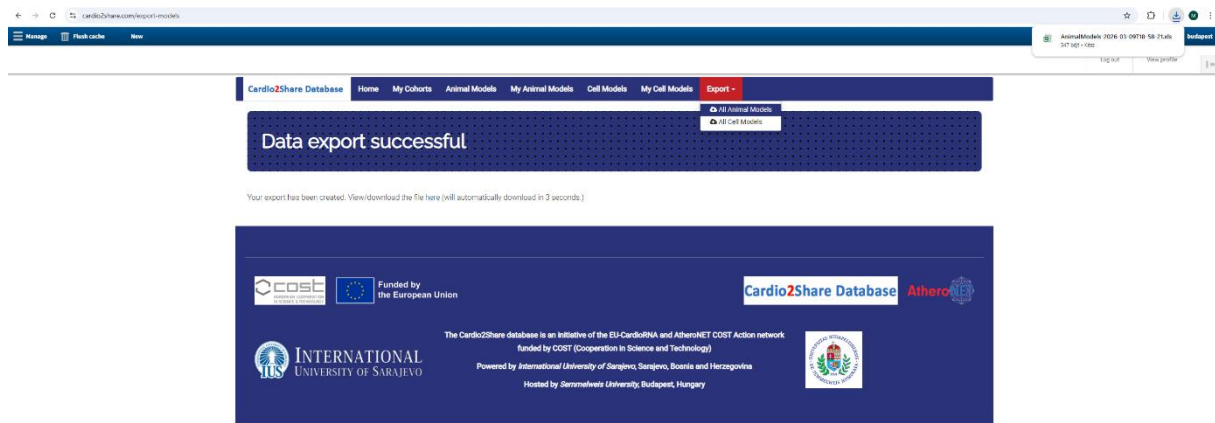
To register please send your full name to the database administrator at [cardio2share@semmelweis.hu](mailto:cardio2share@semmelweis.hu). The administrator will create a user account. Login credentials (username and password) will be sent by email, after the first login, users have to set their passwords. After that, one can log into the database and submit new entries.

## Features for registered users

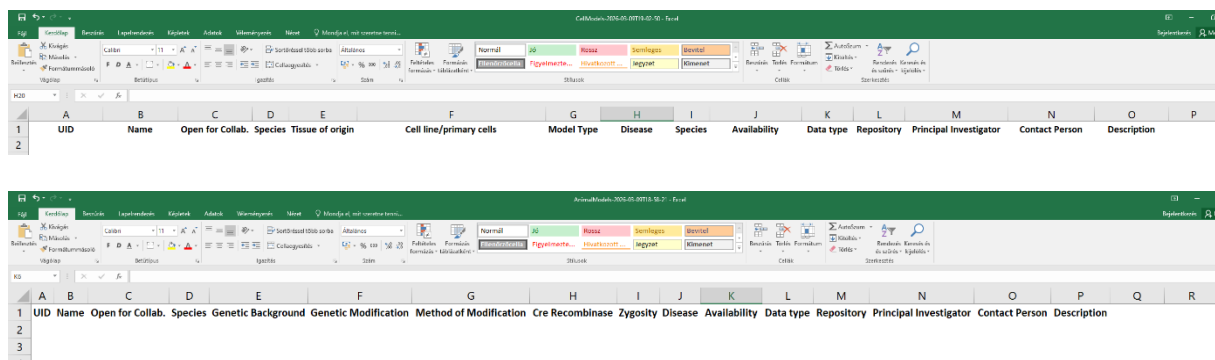
Registered users can submit new cohorts, animal models, or cell models to the database and also can bulk download animal and cell models from the database, and use the forum for fast communication.

## Downloading metadata

Metadata describing available animal and cell models can be exported from the database as a spreadsheet file. Registered users can download an XLS file containing the full metadata of the available models. (Figure 4)



The queries contain all stored metadata. (Figure 5) (Figure 6)



## Submitting new data

After logging in, registered users can also submit new database entries.

### Step 1 - Create a new entry

From the main menu select either of the followings:

- New → Cohort
- New → Animal Model
- New → Cell Model

At cohorts the user must first provide **basic information**, such as:

- Name
- Unique identifier
- Principal investigator
- Contact person
- Study type
- Description

(Figure 7)

**Create Cohort**

Unique Identifier \*

Name \*

Cohort URL

Official URL

Study Type

Open for Collab.

Principal Investigator

Contact Person

Description

[Save](#)

The Cardio2Share database is an initiative of the EU-CardioRNA and AtheroNET COST Action network funded by COST (Cooperation in Science and Technology).  
 Powered by International University of Sarajevo, Sarajevo, Bosnia and Herzegovina.  
 Hosted by Semmelweis University, Budapest, Hungary.

## Step 2 - Add detailed metadata

After the entry is created, additional information can be added through dedicated tabs, such as: **(Figure 8)**

- Institutions
- People
- Diseases
- Variables
- Publications
- Populations
- Samples
- Discussion

**Test Cohort**

If you do not find the variable you are looking for, please contact us at [cardio2share@semmelweis.hu](mailto:cardio2share@semmelweis.hu) and let us know your suggestions or comments so we expand the options and improve our site.

View Edit Cohort Details

Cohort Details Institutions People Drugs **Diseases** Variables Publications Population Samples Discussion

**Cohort Diseases**

No Record Found.

[+ New Cohort Disease](#)

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This modular structure allows users to progressively add detailed metadata.

When uploading an animal or cell model, one must provide all information at the same time.

(Figure 9) (Figure 10)

The screenshot shows the 'Create Animal Model' form in the CardioZShare Database. The form is divided into two main columns. The left column contains fields for: Name, Unique Identifier, Inventory URL, Official URL, Date Model Generated (with Year, Month, and Day dropdowns), Background, Principal Investigator, Contact Person, and a Description text area. The right column contains dropdown menus for: Species, Genetic Background, Genetic Modification, Method of Modification, Ore Recombinase, Zygosity, Disease Model, Availability, Data type, and Repository. At the bottom left of the form, there is a red 'Open for Collab.' button and a green 'Save' button.

The screenshot shows the 'Create Cell Model' form in the CardioZShare Database. The form is divided into two main columns. The left column contains fields for: Name, Unique Identifier, Inventory URL, Official URL, Principal Investigator, Contact Person, and a Description text area. The right column contains dropdown menus for: Species, Tissue of origin, Cell Recipient cells, Model type, Disease Model, Availability, Data type, and Repository. At the bottom left of the form, there is a red 'Open for Collab.' button and green 'Save' and 'Preview' buttons. Below the form is a footer section with logos for COST, the European Union, CardioZShare Database, Athero, and the International University of Sarajevo. Text in the footer includes: 'The CardioZShare database is an initiative of the EU CardioNet and AtheroNET COST Action network funded by COST (Cooperation in Science and Technology). Powered by International University of Sarajevo, Sarajevo, Bosnia and Herzegovina. Hosted by Semmelweis University, Budapest, Hungary.'

## Using forum function

On the discussion tab of an uploaded cohort or model a registered user, can leave a comment, or even upload a file to facilitate the communication with other researchers or the webpage administrators. (Figure 11)

# Biobank of Karolinska Endarterectomy

View Edit Cohort Details

Cohort Details Institutions People Drugs Diseases Variables Publications Population Samples Discussion

## Comments / Discussions

Comments (0) for Biobank of Karolinska Endarterectomy

Leave a comment

Your name budapest

Subject

Attachment

Nincs fájl kiválasztva

Upload

More information

Save



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