

The Extracellular Vesicle Foundry – evFOUNDRY

Project ID: 801367

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Call for proposal: H2020-FETOPEN-1-2016-2017

Funding scheme: RIA - Research and Innovation action

Participants

No	Name	Short name	Country
1	CONSORZIO INTERUNIVERSITARIO PER LO SVILUPPO DEI SISTEMI A GRANDE INTERFASE	CSGI	Italy
2	LUNDS UNIVERSITET	ULUND	Sweden
3	UNIVERSITY OF SOUTHAMPTON	SOUTHAMPTON	United Kingdom
4	AARHUS UNIVERSITET	AU	Denmark
5	UNIVERSITEIT UTRECHT	UU	Netherlands
6	HANSABIOMED LIFE SCIENCES OU	HBM-LS	Estonia

DELIVERABLE D5.1. Project website online and logo

<http://www.evfoundry.eu>

1. Introduction

A preview of the evFOUNDRY project website was presented to the partners during the kick-off meeting, held in Florence on September 12th-13th, 2018. The final version of the website was put online on November 5th, 2018 at the web address <http://www.evfoundry.eu>.

The website was designed with the aim of disclosing the project, its activity and results to the public and of allowing the participants to exchange information and documents in an easy, reliable and secure way. In Fig. 1, a screenshot of the website homepage is shown (please also visit <http://www.evfoundry.eu>). A synopsis of the project is here given, together with a clickable map of the project partners and the more recent news and press releases. Below the menu bar, which features the project logo and the main menu, a slide show displays in sequence images representing key features of evFOUNDRY.

In the homepage footer the details of the evFOUNDRY funding and the EU logo are reported, together with the scientific and administrative contacts.

Finally, the link to cookie policy is provided (http://www.evfoundry.eu/cookie_policy.php).

2. Logo

The official project logo (Fig. 2) was designed and approved by the partners. It appears in all the pages of the website and will be used in the header of all the documents of the project.

3. Main Menu

Fig. 3 shows the six main menu items, linked to the related sections of the website (please also visit <http://www.evfoundry.eu/#top>).

Here the Main Menu organization into the six sections follows:

HOME
PROJECT
NETWORK
NEWS
CONTACTS
RESERVED AREA

4. Website Sections

4.1. Home. Link to the homepage. The homepage can also be reached by clicking on the logo.

4.2. Project. In the Project section the aim of the project and its major objectives are reported. The link to the project on the CORDIS portal is also given. For a screenshot see Fig. 4 or visit <http://www.evfoundry.eu/project.php>.

4.3. Network. In this section the complete list of the partners involved in the project is reported (Fig. 5). By clicking on the logo of each partner, its specific page opens. Fig. 6 shows, for example, the screenshot of the page of Aarhus University (Denmark). In the page the partner, its role in the project and the involved personnel and expertise are briefly described. (please, also visit <http://www.evfoundry.eu/partners/aarhus.php>)

4.4. News

In this section the news about the project are reported (see Fig. 7 or visit <http://www.evfoundry.eu/news/news.php>). Here the project achievements and dissemination activities will be regularly posted. They will include publications, members participation to conferences and workshops, press coverage, website updates and more in general, all significant events regarding the project.

4.5. Contacts. Link to the scientific and administrative contacts, which are given in the homepage footer (see Fig. 8 or <http://www.evfoundry.eu/index.php#contact>). In the footer also, the link to cookie policy is provided (see Fig. 9 or http://www.evfoundry.eu/cookie_policy.php).

4.6. Reserved Area. This section is reserved for consortium's partners and is to date under construction (Fig. 10). It will allow them to exchange information and documents in an easy, reliable and secure way.

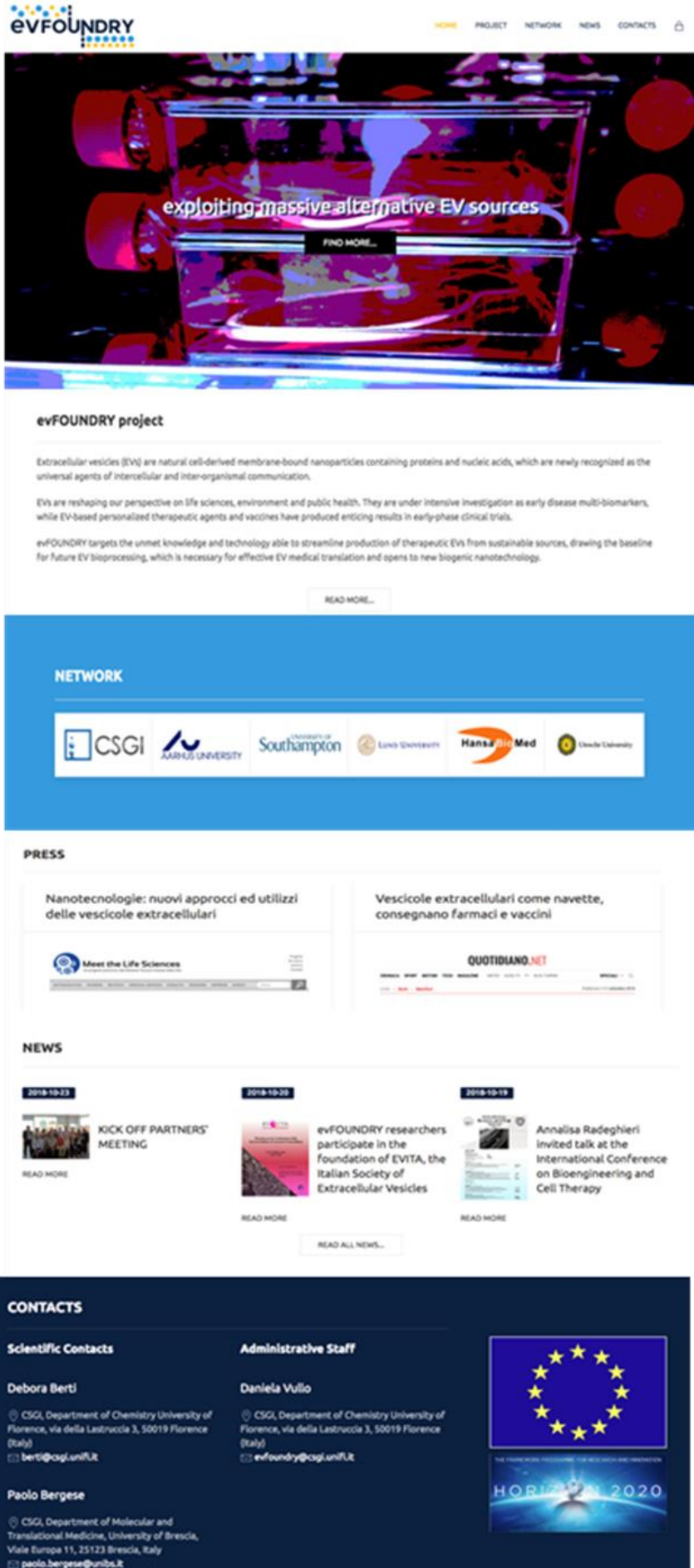


Figure 1. Website homepage.



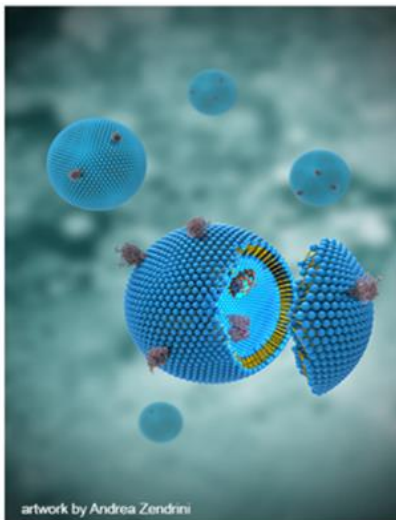
Figure 2. Official Project logo.



Figure 3. Main menu.

The Project

(https://cordis.europa.eu/project/rcn/216335_en.html)



Extracellular vesicles (EVs) are natural cell-derived nanoparticles containing bioactive proteins and RNAs, which are newly recognized as the universal agents of intercellular and inter-organismal communication, in both normal and pathological processes.

EVs are reshaping our perspective on life sciences, environment and public health. They are under intensive investigation as early disease multi-biomarkers, while EV-based personalized therapeutic agents and vaccines have produced enticing results in early-phase clinical trials. However, EV exploitation is not supported by current manufacturing methods, which are inadequate in terms of purity and reproducibility or yield, time and cost.

evFOUNDRY targets a breakthrough technology able to streamline production of therapeutic EVs from sustainable sources, drawing the baseline for future EV bioprocessing, which is necessary for effective EV medical translation (large clinical trials and regulatory initiatives) and provides access to new EV applications (nanotechnology, nutraceuticals, cosmeceuticals, veterinary). To meet the challenge, evFOUNDRY will unravel how EVs and EV fluids interact with surfaces and leverage it to develop the first device for continuous production of high-grade EVs from milk and parasites, which are the most promising scalable sources of EVs with immune modulatory properties.

Major objectives include:

1. to determine the compositional, structural and colloidal properties of EVs that control their interaction with surfaces;
2. to engineer nanostructured surfaces integrated in microfluidic devices for separation of EV populations that are homogeneous in size and/or membrane properties from bovine milk and *Ascaris* incubation media;
3. to design an integrated modular-system for the reproducible separation and analysis of these EVs under continuous flow;
4. to implement a lab-scale prototype for the continuous production of quality-compliant immune modulatory EVs.

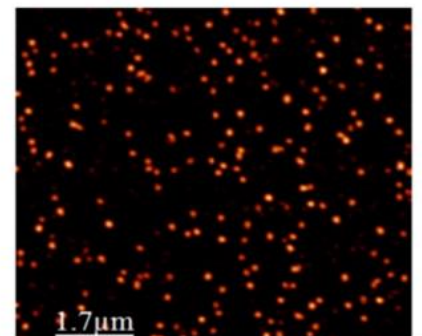


Figure 4. Project Section.



Figure 5. Consortium network/Partners' list.

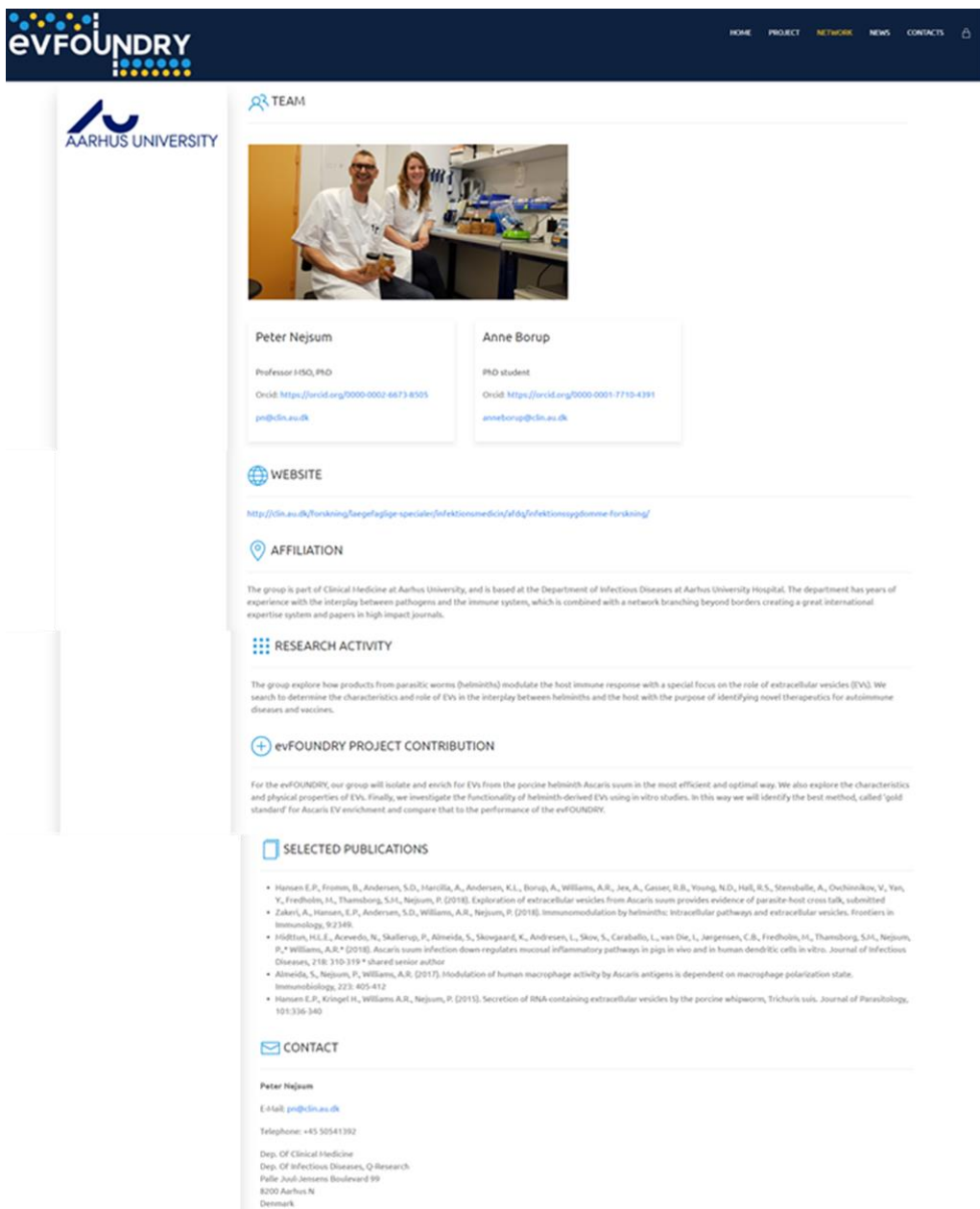


Figure 6. Aarhus University page.

NEWS

KICK OFF PARTNERS' MEETING

evFOUNDRY researchers participate in the Foundation of EVITA, the Italian Society of Extracellular Vesicles

Annalisa Radeghieri invited talk at the International Conference on Bioengineering and Cell Therapy

Kick off workshop

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KICK OFF PARTNERS' MEETING

2018-10-23

KICK OFF PARTNERS' MEETING On September 12 2018, at Plesso di SANTA TERESA Florence, next to the workshop (<https://www.quotidiano.net/blog/malpego/ricerca-vesicole-extra-cellulari-come-taxi-per-farmacie-vaccini-33-2061> <http://www.meetthelife-sciences.it/it/archivio/811-nanotecnologie-evfoundry-nuovi-approcci-ed-utilizzi-delle-vesicole-extra-cellulari>) it's time for the partners meeting.



evFOUNDRY researchers participate in the foundation of EVITA, the Italian Society of Extracellular Vesicles

2018-10-20

On October 5 2018, Lucia Pasini (evFOUNDRY recruited researcher) with Annalisa Radeghieri (evFOUNDRY personnel, CSG), Natasa Zarwini (evFOUNDRY personnel, Hamamilton Life Sciences) and Paolo Bergese (evFOUNDRY coordinator) will participate in the Foundation of the Italian Society of Extracellular Vesicles - EVITA. The meeting will be held at CNR headquarters in Rome. EVITA will connect leading Italian scientists from all the disciplines involved in EV research in the effort to advance EV research nationally and globally, in tight relationship with other EV Societies, including The International Society for Extracellular Vesicles (<https://www.isev.org>), the Spanish GENEX (<http://genex.org>) and the American Society for Exosomes and Microvesicles (<https://www.asevm.org>).



Annalisa Radeghieri invited talk at the International Conference on Bioengineering and Cell Therapy

2018-10-18

On Friday September 21 Annalisa Radeghieri (evFOUNDRY personnel, CSG) will give an invited talk at the International Conference on Bioengineering and Cell Therapy. The talk will be focused on the potentiality of extracellular vesicles in regenerative medicine.



Kick off workshop



2018-10-18

On September 12 2018, at Plesso di SANTA TERESA Florence, evFOUNDRY kicks off and opens to academic and non-academic communities with a free workshop on "Extracellular vesicles, a breakthrough in precision medicine and nanotechnology", which sees the partners lecturing on their role and science in the project.

Figure 7. News section.

CONTACTS

<p>Scientific Contacts</p> <p>Debora Berti</p> <p>CSGI, Department of Chemistry University of Florence, via della Lastruccia 3, 50019 Florence (Italy) bert@csgi.unifi.it</p> <p>Paolo Bergese</p> <p>CSGI, Department of Molecular and Translational Medicine, University of Brescia, Viale Europa 11, 25123 Brescia, Italy paolo.bergese@unibs.it</p> <p>cookie policy</p>	<p>Administrative Staff</p> <p>Daniela Vullo</p> <p>CSGI, Department of Chemistry University of Florence, via della Lastruccia 3, 50019 Florence (Italy) evfoundry@csgi.unifi.it</p>
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Figure 8. Contact page.

Cookie Policy for evFOUNDRY

What Are Cookies

As is common practice with almost all professional websites this site uses cookies, which are tiny files that are downloaded to your computer, to improve your experience. This page describes what information they gather, how we use it and why we sometimes need to store these cookies. We will also share how you can prevent these cookies from being stored however this may downgrade or 'break' certain elements of the sites functionality.

For more general information on cookies see the [Wikipedia article on HTTP Cookies...](#)

How We Use Cookies

We use cookies for a variety of reasons detailed below. Unfortunately in most cases there are no industry standard options for disabling cookies without completely disabling the functionality and features they add to this site. It is recommended that you leave on all cookies if you are not sure whether you need them or not in case they are used to provide a service that you use.

Disabling Cookies

You can prevent the setting of cookies by adjusting the settings on your browser (see your browser Help for how to do this). Be aware that disabling cookies will affect the functionality of this and many other websites that you visit. Disabling cookies will usually result in also disabling certain functionality and features of the this site. Therefore it is recommended that you do not disable cookies.

More Information

Hopefully that has clarified things for you and as was previously mentioned if there is something that you aren't sure whether you need or not it's usually safer to leave cookies enabled in case it does interact with one of the features you use on our site. However if you are still looking for more information then you can contact us through one of our preferred contact methods.

Email: niccolofabio71@gmail.com

Figure 9. Cookie Policy.

[HOME](#)

[PROJECT](#)

[NETWORK](#)

[NEWS](#)

[CONTACTS](#)



Figure 10. Reserved area logo on the right.