breakthrough technologies for an implantable artificial kidney

**Fact Sheet**

**Project Information**

<table>
<thead>
<tr>
<th>KIDNEW</th>
<th>Funded under</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant agreement ID: 101099092</td>
<td>The European Innovation Council (EIC)</td>
</tr>
<tr>
<td><strong>DOI</strong> 10.3030/101099092</td>
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<thead>
<tr>
<th>Start date</th>
<th>End date</th>
<th>Total cost</th>
<th>EU contribution</th>
</tr>
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<tbody>
<tr>
<td>1 May 2023</td>
<td>30 April 2027</td>
<td>€ 3,375,728.25</td>
<td>€ 3,293,227.50</td>
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</tbody>
</table>

**Coordinated by**

UNIVERSITAIR MEDISCH CENTRUM UTRECHT
Netherlands

**Project description**

**An artificial kidney implant**

Chronic kidney (CKD) is associated with a gradual decline of kidney function and an inability to filter waste and excess fluid from the body. Artificial filtering through kidney dialysis is the standard treatment for CKD but it has multiple side effects. Funded by the European Innovation Council, the KIDNEW project proposes to develop an implantable bioartificial kidney for a more physiological treatment of CKD. The polymer-based implant will combine different sensor and filter technologies as well as kidney tubule cell monolayers. It is envisaged as a complementary approach to current dialysis solutions, contributing to the life-support of patients with renal failure.
Programme(s)

HORIZON.3.1 - The European Innovation Council (EIC)

Topic(s)

HORIZON-EIC-2022-PATHFINDEROPEN-01-01 - EIC Pathfinder Open 2022

Call for proposal

HORIZON-EIC-2022-PATHFINDEROPEN-01

See other projects for this call

Funding Scheme

EIC - EIC

Coordinator

UNIVERSITAIR MEDISCH CENTRUM UTRECHT

Net EU contribution

€ 779 510,00

Address

Heidelberglaan 100
3584 CX Utrecht
Netherlands

Region

West-Nederland > Utrecht > Utrecht

Links
Participants (6)

UNIVERSITEIT UTRECHT
Netherlands
Net EU contribution
€ 341,875,00
Address
Heidelberglaan 8
3584 CS Utrecht
Region
West-Nederland > Utrecht > Utrecht
Links
Contact the organisation  Website  Participation in EU R&I programmes  HORIZON collaboration network
Other funding
€ 82,500,00

STICHTING IMEC NEDERLAND
Netherlands
Net EU contribution
€ 429,450,00
Address
High tech campus 31
5656 AE Eindhoven
Region
Zuid-Nederland > Noord-Brabant > Zuidoost-Noord-Brabant
Links
Contact the organisation  Website  Participation in EU R&I programmes  HORIZON collaboration network
INTERUNIVERSITAIR MICRO-ELECTRONICA CENTRUM

Belgium

Net EU contribution
€ 1 210 283,75

Address
Kapeldreef 75
3001 Leuven

Region
Vlaams Gewest > Prov. Vlaams-Brabant > Arr. Leuven

Activity type
Research Organisations

Links

Other funding
€ 0,00

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS

France

Net EU contribution
€ 182 065,00

Address
Rue michel ange 3
75794 Paris

Region
Île-de-France > Île-de-France > Paris

Links
OPTOFLUID TECHNOLOGIES OÜ

Estonia

Net EU contribution

€ 151,500.00

Address

Tulika 32
10613 Tallinn

SME

Yes

Region

Eesti > Põhja-Eesti

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Other funding

€ 0,00

ME-SEP SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA

Poland

Net EU contribution

€ 198,543.75

Address

Michala baluckiego 3
30-318 Krakow

SME
Yes

Region
Makroregion południowy > Małopolskie > Miasto Kraków

Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links
Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network

Other funding
€ 0,00

EC signature date 15 December 2022
Last update: 5 April 2023

Permalink: https://cordis.europa.eu/project/id/101099092

European Union, 2023