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0 Publications Moore4Medical

0.1 Year 1

1. Partner Salvia featured in a “Start-ups to Watch” article in the journal of the Medtech Strategist 2019 https://salvianeuro.com/MTS_Salvia_20190313_UL.pdf
- 2.



1 Press Releases Moore4Medical

1.1 Year 1

1. Announcement of the Moore4Medical project [in the newsletter](#) of the human disease model technology (hDMT) institute January 2020.
2. Multi Channel posted a nice item on POSITION-2 Moore4Medical as well as the Health.E lighthouse on LinkedIn 19th May 2020.
<https://www.linkedin.com/feed/update/urn:li:activity:6668419586024579072>
3. Multi Channel Systems posted an item on Twitter referencing POSITION-2, Moore4Medical and the Health.E lighthouse 19th May 2020.
<https://twitter.com/SmartEphys/status/1262663145451028481>
4. <https://twitter.com/SmartEphys/status/1262663145451028481>
5. 16th of June 2020, partner BI/OND twittered about the kickoff meeting of Moore4Medical <https://mobile.twitter.com/GOBIOND>
6. The 16th of June 2020, partner UNIZAR twittered about the kickoff meeting of Moore4Medical <https://twitter.com/iochgar/status/1272809079652651008> and <https://www.linkedin.com/company/36121182/admin/>
7. 16th of June 2020 the project management of Moore4Medical posted an item on the Health.E lighthouse [LinkedIn page](#).
8. 28th of June 2020, Partner Philips innovation Services posted [a press release](#) on the start of Moore4Medical on LinkedIn, supported with an extensive article [on their website](#).
9. 7th of July 2020, partner Multichannel Systems posted several items on their website related to the kick-off of Moore4Medical.
<https://www.multichannelsystems.com/news/research-project-moore4medical-kicked>, and <https://www.multichannelsystems.com/research-projects>
10. 10th of July 2020 Philips Innovation Services posted an item on LinkedIn related to their microfluidic contribution in Moore4Medical.
<https://www.linkedin.com/company/2773946/admin/>
11. 16th of July 2020 TU Delft published an extensive press release on their contribution in Moore4Medical on their website.
<https://www.msnbc.com/rachel-maddow-show>
12. ...



NEWS

Home > News > Moore4Medical project granted to develop open technology platforms for medical devices

2nd Life-on-Chip Conference

Thu, 20 February 2020 - Fri, 21 February 2020, Provincieplein 1, Leuven, Belgium

Enabling personalized medicine by cross-over innovation Micro- and nanotechnology, artificial intelligence, design thinking, robotics, novel manufacturing technologies and big data have made major impacts across all industries, but perhaps their greatest potential impact will be in health and life sciences. Combined with ever-growing...

[More events...](#)

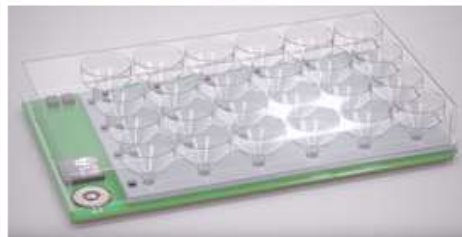
Moore4Medical project granted to develop open technology platforms for medical devices

Tuesday, 7 January

The recently granted Moore4Medical project intends to accelerate innovation in electronic and microfabricated devices for a number of emerging medical domains. In Moore4Medical 68 partners from 13 countries participate. This three-year project has a budget of €68M and will start in June 2020.

Too often promising medical device innovations end up in the 'valley of death' because the market size simply does not justify the huge cost associated with product development. This especially holds when capital intensive production technologies such as microfabrication are involved. The consumer electronics industry has since long tackled this problem by the endorsement of open technology platforms, which has resulted in a breathtaking speed of innovation: Moore's Law.

The vision of the recently established Health.E lighthouse is to extend Moore's law to medical devices by promoting the concept of open technology platforms for the medical domain. The Moore4Medical project is an implementation of this vision. In the project open technology platforms will be developed for a number of emerging medical domains including: bioelectronic medicines, drug delivery, personal ultrasound, radiation-free interventions, remote body sensing and Organ-on-Chip.



(click on picture to see the animation)

Multiwell plate format

For the Organ-on-Chip part of the project, this involves the development of a number of platforms that bring Organ-on-Chip devices, sensors and microfluidics into a multiwell plate format. This includes a universal smart well plate suitable for a variety of Organ-on-Chip devices from different manufacturers, a high-density electrophysiology plate and a smart well plate lid that will contain a variety of sensors and can be used in combination with ordinary standard well plates.

The Dutch partners involved in the Organ-on-Chip part are: TUDelft (coordinator), TU/e, Micronit, Philips Innovation Services, BI/OND, TNO-Holst and BESI Netherlands.

The Moore4Medical project has been accepted for funding within the Electronic Components and Systems For European Leadership (ECSEL) Joint Undertaking in collaboration with the European Union's H2020 Framework Programme and National Authorities.



Moore4Medical Consortium

[← Back to the news overview](#)

Announcement of the Moore4Medical project [in the newsletter](#) of the human disease model technology (hDMT) institute January 2020.



Multi Channel Systems GmbH
444 followers
3 y · Eindhoven

Here at MCS we are proud to support a myriad of EU-research projects. We would like to introduce you to two of them, one ongoing and one just starting.

Since 2018 we are working together with 48 partners from 12 countries to bring you innovation in smart catheters and implants in the POSITION-2 project.

In June 2020 we will be joining 68 specialists from 12 countries in the Moore4Medical project to develop open technology platforms for emerging medical fields, such as active implantable devices, organ-on-chip, drug adherence monitoring, smart ultrasound, radiation free interventions and continuous monitoring.

Both of these projects rely heavily on sharing open technology platforms and are united under the ECSEL JU Health.E Lighthouse, which promotes these for electronic medical devices. We believe that those platforms, guided by roadmaps will generate the production volumes needed for sustained technology development, resulting in new and better solutions in the healthcare domain.

With the help of Health.E Lighthouse we want to raise awareness of emerging medical domains, create a sustainable ecosystem, stimulate open technology platforms and support dissemination of knowledge and expertise.

Find more info in the video below or at <https://hkd.in/MoR3Fp>

HEALTHCARE IS CHANGING

Multi Channel posted a nice item on POSITION-2 Moore4Medical as well as the Health.E lighthouse on LinkedIn 19th May 2020

Smart Ephys
@SmartEphys

How [#researchprojects](#) rely heavily on sharing open technology platforms. Two projects we are engaged in ([#POSITION2](#) and [#Moore4Medical](#)) are united under the [@ECSEL_JU](#) Health.E Lighthouse, which promotes these for electronic medical devices. [#Innovate](#)

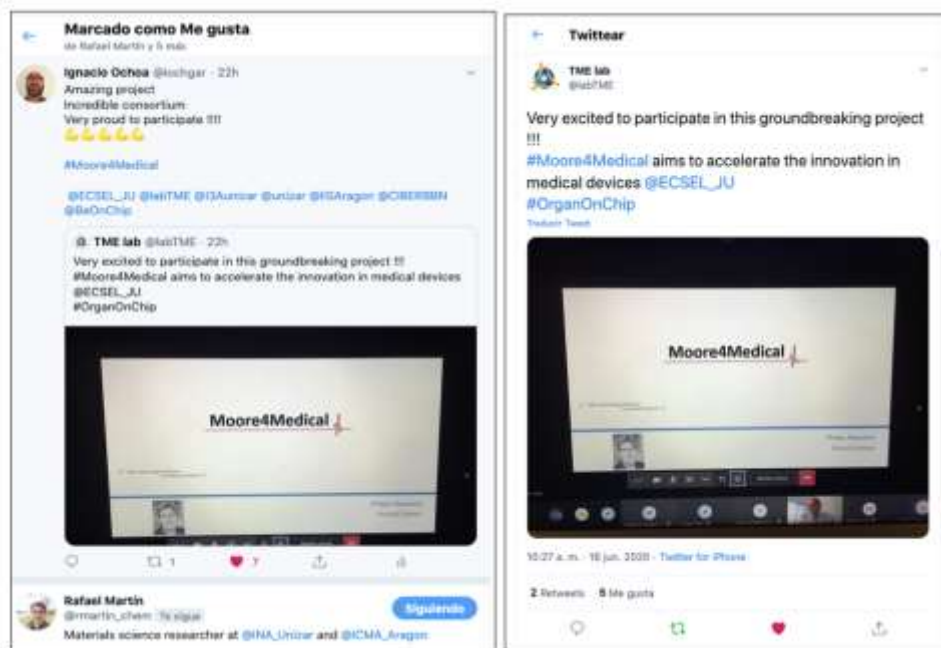
Edit_Healt-E_v3
This is "Edit_Healt-E_v3" by Etopia on Vimeo, the home for high quality videos and the people who love them.
vimeo.com

10:35 a.m. · 19 mei 2020 · [Twitter Web App](#)

Multi Channel Systems posted an item on Twitter referencing POSITION-2, Moore4Medical and the Health.E lighthouse 19th May 2020



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16th of June the project management of Moore4Medical posted an item on the Health.E lighthouse [Linkedin page](#).



The image shows a LinkedIn post from Philips Innovation Services (15,332 followers) dated June 28, 2020. The post features a video titled 'What type of organization do you represent?' and a poll. Below the video, there are comments from users like 'Robin de Bruijn' and 'Dierk Wehler'. To the right, a press release article is visible, titled 'Philips Innovation Services and partners kicked off new European project on open technology platforms'. The article highlights the 'Moore4Medical' project, a 5-year, €10 million project funded by the European Commission and Philips Research. It aims to develop open technology platforms for emerging medical domains like biotech, organ-on-chip, drug adherence, smart ultrasound, and radiation therapy. The article also mentions 'Bringing the Valley of Death' and 'BioMEMS and MEMS Ultrasound'.

28th of June 2020, Partner Philips innovation Services posted a press release on the start of Moore4Medical on LinkedIn, supported with an extensive article on their website.

The image shows a screenshot of a website page from Smart Ephys and Multichannel Systems. The page is titled 'Research Project Moore4Medical Kicked Off' and features a video player. The text on the page describes the project, which is a 5-year, €10 million project funded by the European Commission and Philips Research. It aims to develop open technology platforms for emerging medical domains like biotech, organ-on-chip, drug adherence, smart ultrasound, and radiation therapy. The page also includes a 'Moore4Medical' logo and a 'Project Milestones' section.

7th of July 2020, partner Multichannel Systems posted several items on their website related to the kick-off of Moore4Medical ([Link1](#), [Link2](#))



 **Philips Innovation Services**
13,631 followers
Post • 

Generating radical future concepts for biomedical innovation.

This is one of the goals of the European projects we are part of. Moore4Medical, #BioMEMS and #microfluidics are key technologies to enable this. Our MEMS & Micro Devices experts will support in design for manufacturing of the Organ-on-Chip packaging. Aiming to include standard interfaces for microfluidics, electronics and optics and the industrialization of the Fraunhofer EMFT micropump. These industrial BioMEMS and device packaging solutions will become available for all biomedical innovations soon.

Also looking for BioMEMS development and manufacturing support?
<https://lnkd.in/ds6Prc>

#makinginnovationwork #philipsinnovationservices





10th of July 2020 Philips Innovation Services posted an item on LinkedIn related to their microfluidic contribution in Moore4Medical.
<https://www.linkedin.com/company/2773946/admin/>



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TU Delft > EE/BCES > ME > News

News

Moore4Medical kicks off

THURSDAY, 16 JULY 2020

Moore4Medical

The ECSEL Joint Undertaking Moore4Medical kicked off last June, 2020 with the overarching objective to accelerate innovation in electronic medical devices. Moore4Medical is masterminded by prof. Ronald Dekker (Philips Research & ECTM) and sees important involvement and vast opportunities for TU Delft's Microelectronics department.

The project addresses emerging medical applications and technologies that offer significant new opportunities for the Electronic Systems & Components (ECS) industry, including: bioelectronic medicines, organ-on-chip, drug adherence monitoring, smart ultrasound, radiation free interventions and continuous monitoring. The new technologies will help fighting the increasing cost of healthcare by reducing the need for hospitalisation, helping to develop personalized therapies, and realising intelligent point-of-care diagnostic tools.

Moore4Medical will bring together 66 selected companies, universities and institutes from 12 countries who will develop open technology platforms for these emerging fields to help them bridge "the Valley of Death" in shorter time and at lower cost. Open technology platforms used by multiple users for multiple applications with the prospect of medium-to-high volume markets are an attractive proposition for the European ECS industry. The combination of typical MedTech and Pharma applications with an ECS style platform approach will enhance the competitiveness for the emerging medical domains addressed in Moore4Medical. With value and IP moving from the technology level towards applications and solutions, defragmentation and open technology platforms will be key in acquiring and maintaining a premier position for Europe in the forefront of affordable healthcare.

TU Delft's Microelectronics department leads two of the six workpackages represented in Moore4Medical: the Implantable Devices workpackage, led by Dr. Vasiliki "Vasso" Giagka (BE & Fraunhofer IZM), and the Organ-on-Chip workpackage, led by Dr. Massimo "Max" Mastrangeli (ECTM). Both workpackages will see the interaction and contribution of many world-class industrial and academic players to develop respectively bioelectronic medicines and smart multi-well plate platforms, and will provide a rich opportunity to capitalize on and further expand the standing expertise of the BE and ECTM groups of the department.

We wish Moore4Medical success!

News

Cum Laude PhD Defence: Soren van Berkel
On Monday July 13, PhD candidate of the Tera-Hertz group, Soren van Berkel graduated Cum Laude.
[More...](#)

Max Scholte wins 3rd prize in student paper competition at FUSION 2020
[More...](#)

AMer

16th of July 2020 TU Delft published an extensive press release on their contribution in Moore4Medical on [their website](#).



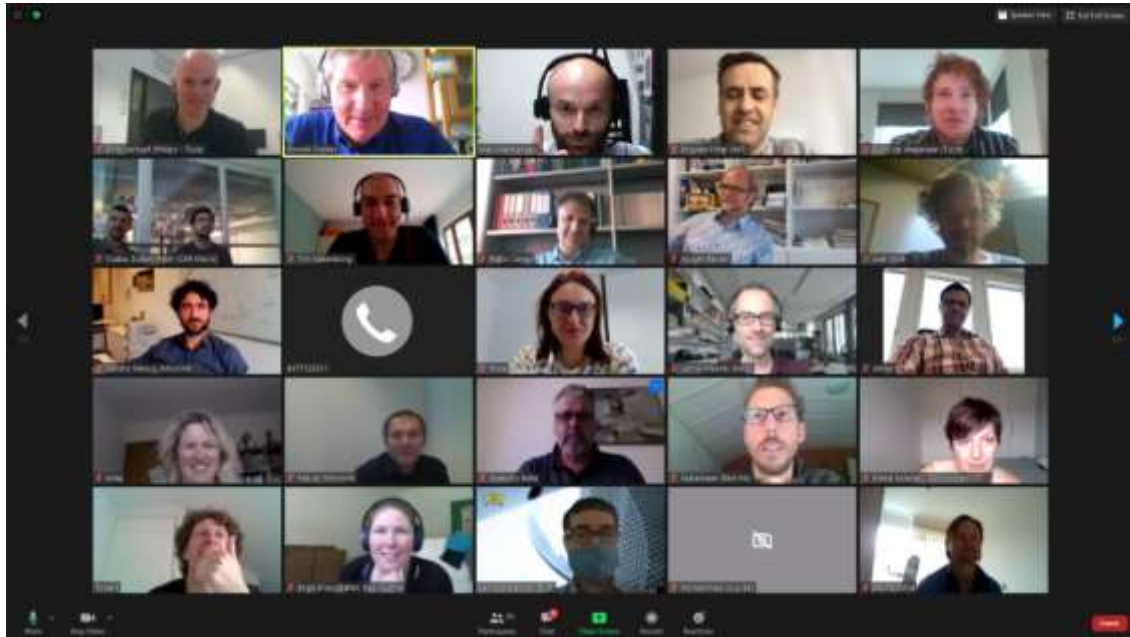
2 Workshops Moore4Medical

2.1 Year 1

- The 15th and 16th of there was the official kickoff meeting of the Moore5Medical project. Originally a face-2-face meeting in combination with an extensive get-to-know-each-other event was planned in Rotterdam. Unfortunately, due to the Covid-19 panepidemic this meeting had to be online. Despite this handicap the kick-off was very successful with more than 140 people attending the plenary sessions. [Doc_122]
- Many work packages started of enthusiastically and organized on-line workshops to get the work started like the WP2 online meeting 14th July 2020.



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