

Site-visits during International Horizon2020 Matchmaking event

“Healthy Urban Living”

November 9th 2017, Jaarbeurs Utrecht

Track 1: Utrecht Life Sciences (13:00 to 17:00) (with drinks from 17:00 to 18:00)

Location: Utrecht Science Park

Utrecht Science Park

Utrecht Science Park is the beating heart of Europe's most competitive region. We bring competence from business, industry and academia together in order to design and create healthier, safer and more sustainable cities for today and for subsequent generations. Utrecht Science Park provides a vibrant, dynamic and exciting place to work, to study and to interact.

5 options for site-visits (registration will be made available on the location)

1) Presentation - Netherlands Centre for One Health (NCOH) and Netherlands Antibiotic Development Platform (NADP)

Netherlands Centre for One Health (NCOH) aims for an integrated One Health approach to tackle the global risk of infectious diseases. NCOH commits to create durable solutions for this major challenge by bundling world-leading academic top research in the Netherlands in the area of One Health. Please come and visit us to learn more about our Strategic Research Agenda and current projects, and share your ideas for collaboration with our Key opinion leaders.

2) Presentation and Tour - Regenerative Medicine Center Utrecht

To facilitate innovation required in the interdisciplinary field of regenerative medicine (RM), the majority of RM researchers in Utrecht was brought together at a single location, the RM Center Utrecht (RMCU), sharing the building with the Hubrecht Institute. The close proximity, shared resources and facilities, has enhanced daily interaction and collaboration, as well as strengthening connections to the clinic. RM in Utrecht fosters close collaboration between academia, business and government, and is active in many topics, including stem cell biology, bone, cartilage, intervertebral disc, heart valves, blood vessels, myocardium, kidney, liver and intestine. Cutting edge technologies such as 3D biofabrication, organoids, extracellular vesicles and bioreactors are used. We are happy to welcome you at the RMCU and together explore possibilities for collaboration and consortium building.

3) Presentation and Tour - Protospace - Utrecht 3D Medical - Smart Industry Fieldlab

ProtoSpace is part of Fieldlab 3D medical, created under the Dutch smart industry agenda. 3D medical is a consortium of a.o. University Medical Center Utrecht, Regenerative Medicine Centre Utrecht, University of applied science Utrecht, MRIguidance, Livit, Ulitmaker, Landre and is offering a living lab and equipment to accelerate 3D printing and imaging in the medical field. ProtoSpace is a lab specialized in research and prototyping with and for digital fabrication (like 3D printing). Focus point is innovation by making. In this site-visit we offer you insights and hands-on demonstrations in open innovation.

4) Presentation and Tour - USP Innovation lab for the Living Environment

The Innovation lab for the living environment is an initiative of the RIVM and the Institute for Risk Assessment Sciences (IRAS) at Utrecht University to create an interactive lab around sensing the environment and health. The first living lab that has been established within the Innovation lab is LivingLabAir in which several partners (TNO, Soon, JCDecaux, Resultat, RIVM, and UU) work together to establish a high-density air quality network at the Utrecht Science Park. This network provides opportunities to test under field conditions novel sensors, real-time modeling of large data-streams, behavioral interventions, e- and m-health applications and public engagement. We invite you all to a tour to this lab and are looking forward to your active engagement in future projects.

Track 2: Future Society (13:00 to 17:00)

Selfregulation lab (Utrecht)

The Selfregulation Lab is a joint project by the Municipality of Utrecht, Stichting nieuw welgelegen and the Utrecht University.

Within the framework of the NWO-funded program 'Welfare Improvement through Nudging Knowledge' (WINK), a living lab was established in collaboration with stichting Nieuw Welgelegen, Utrecht University and the Public Health department (municipality of Utrecht) in which the University researches the effectiveness of diverse nudges. The examined nudges are all in the context of making healthy choices more attractive or easy. More info at: <http://selfregulationlab.nl/>.

RIVM (Bilthoven)

National Institute for Public Health and the Environment (RIVM) - The RIVM is the Netherlands's governmental institute that uses its knowledge and skills to protect and promote the health of Dutch citizens and the environment they live in. The site visit will be devoted to four strategic themes which bring together knowledge across the entire breadth of RIVM: Healthy Urban Living, One Health (relation between human and veterinary health), Safe Healthy and Sustainable Food, and Healthy Ageing across the Life Course. These themes represent multidisciplinary and cross-border challenges that can only be solved through international collaboration. During the visit, guests will have the opportunity to take a look at laboratory and data facilities we use on a daily basis for fulfilling our tasks and expanding our knowledge.

YOUth Child Expertise Center (Utrecht Science Park)

In May 2015 YOUth was launched: a large-scale, long-term cohort study. YOUth follows children from before birth until the age of 18. This large-scale longitudinal cohort study with repeated measurements consists of two independent but related samples from the general population. YOUth is part of the Dutch Consortium on Individual Development, funded in 2012 by the Gravitation programme. The YOUth Child Knowledge Center is an initiative of the UMC Utrecht, the University Utrecht and the Consortium on Individual Development.

Track 3: Creative innovations for Health (13:00 to 17:00)

JIM, BeBright, UCreate,

- U CREATE - Centre of Expertise Creative Industries
- BeBright - Presentation of the Dutch 'Diagnosis Nutrition & Health' programme and accelerator of impactful innovations and visionary insights on nutrition and health. Dialogue on innovative (project) plans that address the European societal - nutrition related - health challenges.
- Jaarbeurs Innovation Mile (JIM) - JIM is a new innovation Hub and co-working space at the Jaarbeurs Utrecht with a strong focus on meeting and interaction. JIM offers scale-ups and other innovators a community to work together and a place to meet. JIM offers strong programming with the community and partners.

HKU University of the Arts Utrecht

- Music technological projects for diagnostics and therapy for children with autism in cooperation with UMCU, educational music software for sight impaired children with Connect2Music foundation(connect2music.nl).
- Guided tour School of Music and Technology
- Guided tour School of Games and Interaction (with demonstration)

ADAM (Big data research in the University Medical Center Utrecht)

The UMC Utrecht has access to an enormous amount of healthcare data from several sources. For example, DNA, Radiology imaging and EHR (Electronic Health Record) data. New technologies (data analytics, machine learning, deep learning) makes it possible to solve clinical problems with the available data and as a result improve the healthcare for patients. Within the UMC Utrecht we started a corporate program Applied Data Analytics in Medicine (ADAM). In this program we selected four pilot projects in a living lab environment. Each project will develop – based on the clinical data - new algorithms and methodologies. With these outcomes doctors will be able to treat patients at a personalized healthcare level. The higher aim for this phase of the program is to create a generic, scalable and sustainable organization and infrastructure including new business models. Eventually the UMC Utrecht has the ambition to grow into a fully data driven organization.