



# BIO-BASED START-UP DAY

7 April 2016 · Maternushaus · Cologne · Germany

Bio-based Chemicals & Materials ++ Biotechnology ++ Carbon Capture & Utilization



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Organised in collaboration with



[www.clib2021.de](http://www.clib2021.de)



[www.ibbnetzwerk-gmbh.com](http://www.ibbnetzwerk-gmbh.com)

## START-UP HIGHLIGHTS

High-potential start-ups from the field of bio-based chemistry, polymers and biotechnology are invited to present themselves to industry and investors!

The Bio-based Start-up Day will bring start-ups, investors and industry together by giving the floor to everyone and providing great opportunities of networking. The day will start with keynote speeches followed by the presentation of the start-ups. The audience will then have the opportunity to meet the start-ups in person.

Investors will afterwards provide an insight into their support for start-ups in the bio-based and biotech sector. The day will end with a panel discussion and a coming together.

[bio-based.eu/startup](http://bio-based.eu/startup)



Organiser



[www.nova-institute.eu](http://www.nova-institute.eu)



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## Programme | 7 April 2016

09:30 Registration and welcome coffee

### START-UPS AND FUNDING

Moderation: Dr. Asta Partanen, nova-Institut GmbH

10:00 nova-Institut GmbH



**Michael Carus**

Basic data on European Bio-based Economy and smart CAPEX calculation for early stage projects

10:20 OECD



**Jim Philp**

Public investments and funding for start-ups

10:40 KPMG AG



**Dr. Carl Henning Reschke**

Market entry strategies – reducing complexity

11:00 Coffee break and exhibition on Start-ups, Funding and Industry – meet the Start-ups

### START-UPS SELECTED BY THE NOVA-INSTITUTE

Moderation: Michael Carus, nova-Institut GmbH

11:30 BIOTREM



**Malgorzata Then**

BIOTREM: processing wheat bran into packaging products

11:45 Kiverdi, Inc



**Dr. Lisa Dyson**

Using CO<sub>2</sub> & CO to make Oleochemicals and Specialty Oils

12:00 Mycoplast S.n.c



**Federico Maria Grati**

MOGU – Biomaterials from mycelium and agro-industrial wastes

12:15 Nafigate Corporation, A.S.



**Daniel Pohludka**

Hydal Biotechnology – Game Changing Innovation

12:30 NordBioChem OÜ



**Andres Pajuste**

Cost effective C3-fermentation chemistry – the NordBioChem's way out of Fossils

12:45 Skytree



**Max Beaumont**

Carbon Dioxide from the air? Skytree's solution to providing a convenient and reliable source of recycled CO<sub>2</sub> as feedstock for biomass and fuel production

13:00 Lunch break and exhibition on Start-ups, Funding and Industry – meet the Start-ups

### START-UPS FROM CLIB2021

Moderation: Dr. Tatjana Schwabe, CLIB2021

14:00 'GENE



**Dr. Wilfried Schwab**

Flavor-on-Demand

14:15 Cysal GmbH



**Dr. Martin Krehenbrink**

Dipeptides: the future of amino acids

14:30 GLYCONIC



**Gratian Permien**

GLYCONICation of Flavonoids

### START-UPS FROM IBB NETZWERK

Moderation: Prof. Dr. Haralabos Zorbas, IBB Netzwerk

14:45 CASCAT GmbH



**André Pick**

Novel process strategies by use of (chemo)-enzymatic cascade reactions

15:00 Electrochaea GmbH



**Dr. Doris Hafenbradt**

Power-To-Gas – from the laboratory to industrial scale

15:15 Coffee break and exhibition on Start-ups, Funding and Industry – meet the Start-ups

### START-UPS AND FUNDING

Moderation: Tobias Kirchhoff, BCNP Consultants GmbH

16:30 ZENIT GmbH, Enterprise Europe Network NRW



**Benno Weißner**

Support by EU and the Enterprise Europe Network for Start-ups

16:50 B.R.A.I.N. Capital GmbH



**Frank Goebel**

B.R.A.I.N. – From start-up to public listing

17:10 i2i - inventions to innovation



**Anindya Mukherjee**

Start-ups – What you need to succeed!

17:30 Panel discussion with Michael Carus, Frank Goebel, Anindya Mukherjee, Jim Philp, Dr. Carl Henning Reschke and Benno Weißner (Moderation: Prof. Dr. Haralabos Zorbas, IBB Netzwerk)

18:00 Coming together



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## Start-ups selected for the Bio-based Start-up Day!

### Dr. Wilfried Schwab, <sup>4</sup>GENE

[www.4gene.de](http://www.4gene.de)

<sup>4</sup>GENE develops and produces natural, biotechnologically engineered, activable flavour and fragrance precursors. Products are marketed as FLAVOR-ON-DEMAND to flavour and fragrance customers worldwide.

### Malgorzata Then, BIOTREM

<http://biotrem.pl/en>

BIOTREM uses an organic by-product of milling (wheat husks) to produce tableware that is fully natural and fully compostable. The production process is very clean. Only husks, steam, pressure and heat are needed.

### André Pick, CASCAT GmbH

[www.cascad.de/en](http://www.cascad.de/en)

The expertise of CASCAT is to combine the best of two worlds – synthetic biotechnology and classical chemical catalysis – to realize novel process routes. Using this approach we realize synthetic cascades towards chemical building blocks, fine chemicals as well as pharmaceutical molecules.

### Dr. Martin Krehenbrink, Cysal GmbH

[www.cysal.de](http://www.cysal.de)

Cysal is using microbial metabolic diversity for the development of novel fermentation technologies and products. The current focus is the biotechnological production of dipeptides at an industrial scale and the development of novel applications based on these dipeptides.

### Dr. Doris Hafenbradl, Electrochaea GmbH

[www.electrochaea.com](http://www.electrochaea.com)

Electrochaea is developing a disruptive grid-scale energy storage technology. Our power-to-gas (P2G) process converts CO<sub>2</sub> and low-cost or stranded electricity into pipeline-grade methane for direct injection into the existing natural gas grid.

### Gratian Permien, GLYCONIC

[www.glyconic.com](http://www.glyconic.com)

GLYCONIC is a developer of glycosylated polyphenols. With its state-of-the-art technology GLYCONIC is the preferred partner in cosmetic, pharmaceutical and food industry when it comes to adapting the effectiveness, stability, solubility and bioavailability of polyphenol derivatives.

### Dr. Lisa Dyson, Kiverdi, Inc.

[www.kiverdi.com](http://www.kiverdi.com)

Kiverdi makes high-value oils and chemicals for a variety of product applications such as detergents, biomaterials and fuel additives. Kiverdi's chemicals are sustainably produced from waste carbon and decoupled from the price fluctuations, supply chain disruptions, and geopolitics associated with commodities.

### Federico Maria Grati, Mycoplast S.n.c.

[www.mycoplast.com](http://www.mycoplast.com)

MOGU is a start-up initiative created in January 2015 by Mycoplast, aiming to research, develop and commercialise a wide variety of bio-materials produced from mycelium and agro-industrial residues as substrates.

### Daniel Pohludka, Nafigate Corporation, A.S.

[www.nafigate.info/en](http://www.nafigate.info/en)

Hydal biotechnology – as the first technology in the world – utilizes 100% waste (used cooking oil) for the production of a bio-based polymer, polyhydroxyalkanoate (PHA), on the industrial scale. First pilot line and plant is being built in Suzhou in China.

### Andres Pajuste, NordBioChem OÜ

<http://nordbiochem.eu>

NordBioChem has developed a whole technological platform starting with the lactic acid fermentation technology suitable for large-scale production and has combined it with new solutions in catalytical mechanisms and chemical derivatisation technologies.

### Max Beamont, Skytree

[www.skytree.eu](http://www.skytree.eu)

Based on space technology, Skytree has developed a patented process which re-captures CO<sub>2</sub> directly from the ambient air. This allows providing or subtracting carbon-neutral CO<sub>2</sub> on-site, anytime, anywhere. This CO<sub>2</sub> can in turn be used for such applications as growing plants, ventilation and water treatment.



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## Your Conference Team



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## Entrance Fee

Conference incl. Catering,  
400€ plus 19% VAT

## Free Booths!

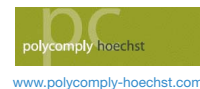
Exhibition booths are free  
for registered participants!  
Please contact **Dominik Vogt**

## Venue & Accommodation

**Maternushaus Cologne**  
Kardinal-Frings-Str. 1–3  
50668 Cologne, Germany  
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The venue is located within 10 minutes  
walking distance to Cologne central station.  
Cologne central station is 20 minutes  
by tram from Cologne/Bonn airport or  
45 minutes by high speed ICE train from  
Frankfurt airport.

## Partners



## Media Partners

