

ANIMALAGTECH INNOVATION SUMMIT

HEALTH NUTRITION PRECISION
SAN FRANCISCO, MARCH 18, 2019

animalagtech.com @AnimalAgTech

PLATINUM PARTNER



An Antelliq company

GOLD PARTNERS



NETWORKING BREAK HOSTS



PART OF

RETHINK AGRI-FOOD
INNOVATION WEEK



WELCOME TO THE INAUGURAL ANIMAL AGTECH INNOVATION SUMMIT

We're delighted to be hosting this brand new event as part of Rethink Agri-Food Innovation Week in San Francisco.

Since 2013, Rethink has been bringing together the leading innovators and investors in food and agriculture to share ideas and forge the right partnerships to bring new technologies and solutions to market. The livestock and aquaculture industry has a critical role to play in creating a secure, sustainable and healthy food system, and Animal AgTech is now an important part of our agri-food portfolio.

With so many entrepreneurs turning their skills to the animal health, nutrition and herd management space, this is an exciting time for the whole industry. We hope that today's summit will play an important role in connecting producers, product developers and investors and look forward to seeing new collaborations take root and flourish.

We would like to thank our partners, Allflex, Boehringer Ingelheim, Cargill, Performance Livestock Analytics and White Dog Labs for their support for the summit, and also our networking hosts, Continental Grain and TechAccel. We encourage you to connect with them all during our networking breaks and our drinks reception this evening.






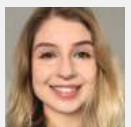
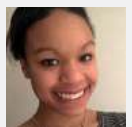

The Rethink team will be on hand to answer your questions throughout the summit, and we welcome everyone's ideas, feedback and suggestions on how we can further develop this summit as the meeting place for the global animal agtech ecosystem.



Jennie Moss
Founder & MD, RETHINK EVENTS



MEET THE RETHINK TEAM

 Jennie Moss Founder and Managing Director	 Stephan Groves Director	 Sophie Buck Conference Producer	 Rachel Mackie Business Development Manager
 Anna Bladen Senior Marketing Manager	 Agnieszka Kuzma Events Executive	 Tate Slyfield Marketing Executive	 Georgia Freeman Delegate Manager

Join us on social media

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Animal AgTech Innovation Summit

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Allflex Livestock Intelligence, part of Antelliq, is the world leader in the design, development, manufacturing and delivery of solutions for animal identification, monitoring and traceability. Its data-driven solutions are used by farmers, companies and countries to manage hundreds of millions of animals worldwide. By putting intelligent, actionable management information into farmers' hands, its solutions empower them to act in a timely manner to safeguard their animals' health and wellbeing, while achieving optimal production outcomes for a healthy food supply. With over 60 years of experience and around 1900 team members worldwide, the company has a global network of experts, each with a great depth of experience and unparalleled knowledge, who provide a valuable resource to farmers, companies and countries. Allflex Livestock Intelligence has manufacturing and technology subsidiaries in North America, Europe, Israel, South America, China, Australia and New Zealand. Its products are distributed in over 100 countries.

GOLD PARTNERS



Boehringer Ingelheim is the second largest animal health business in the world. It is committed to improving animal wellbeing through its large portfolio of advanced, preventive healthcare products and services. With net sales of 3.9 billion euros in 2017 and around 10,000 employees worldwide, the company is present in more than 150 markets.



Cargill provides food, agriculture, financial and industrial products and services to the world. Together with farmers, customers, governments and communities, it helps people thrive by applying its insights and over 150 years of experience. Cargill has 155,000 employees in 70 countries who are committed to feeding the world in a responsible way, reducing environmental impact and improving the communities where they live and work.



Performance Livestock Analytics Inc. (PLA) provides an analytics and management software platform that helps livestock producers to become more sustainable and profitable with the power of big data and software analytics. PLA's Performance Beef™ is the industry leader in providing predictive and prescriptive software subscription services to livestock producers, brokers, risk managers, nutritionists, animal health and animal nutrition companies. As the premier business operating system for the livestock industry, Performance Beef unlocks decision analytics through simple, easy-to-use software apps and well-formed APIs, allowing livestock producers to manage all financial, operational, and performance data relative to their cattle operations.



WHITE DOG LABS

White Dog Labs is a biotechnology company founded upon mining microbiomes, applying synthetic biology and developing practical bio-processes. It develops and scales market driven solutions for global challenges by harnessing and optimizing the natural advantages of Clostridia microorganisms. It specifically delivers differentiated microbial solutions that address food sustainability, animal and human health, and global climate change, while also leveraging incumbent industries and capital resources.

NETWORKING BREAK HOSTS



Continental Grain Company (CGC) is a privately held holding company with over 200 years of experience throughout food and agribusiness, including a long history in grain trading and animal protein. The company is an active investor in food-tech, agtech and animal-tech with a VC effort known as CGC Ventures.



TechAccel is a technology and venture development company focused on agriculture, animal health and food technology. TechAccel sources, invests in and acquires early-stage innovations. A TechAccel subsidiary, Covenant Animal Health Partners, focuses on development and registration of "revenue-ready" animal health products. Covenant also funds, develops and accelerates external innovation initiatives for the animal health industry.



WHERE CAN DATA TAKE US?

Sustainable agriculture is a matter of choice. **And choices are made easier, and smarter, with the right data.**

Harnessing the power of data to create innovative solutions, Allflex Livestock Intelligence gives everyone in the animal farming supply chain the ability to make better-informed decisions.

With insights drawn from ever-larger data sets and delivered via our advanced solutions, you can make smarter choices for improved animal wellness, increased sustainability, and optimal production outcomes.

DISCOVER WHAT YOU CAN DO WITH DATA

Meet us at the Animal AgTech Innovation Summit - March 18, 2019



www.allflex.global

An Antellia company



SUMMIT AGENDA

MARCH 18, 2019

9:30 Registration

10:30 Opening Remarks

Jennie Moss, Founder & Managing Director, RETHINK EVENTS, UK

10:40 The Corporate Perspective: Building the AgTech Innovation Landscape for the Livestock Industry

- What pain points are emerging that the livestock industry corporates are looking to solve?
- What innovations are transforming the efficiency, sustainability and welfare of the livestock industry? Where is innovation needed most?
- What opportunities exist for greater collaboration between innovators and corporates? What models have proved successful? What innovation strategies are emerging to encourage new solutions?

SESSION CHAIR



Maarten Goossens
Principal & Co-Founder
ANTERRA CAPITAL,
NETHERLANDS



Marc de Beer
Senior Director, Global
Nutritional Health
ELANCO, USA

SPEAKERS



Karen Christensen
Senior Director,
Animal Wellbeing
TYSON FOODS, USA



George Heidgerken
Global Head of Livestock
BOEHRINGER INGELHEIM,
GERMANY



Bruce Stewart-Brown
SVP – Food Safety, Quality
and Live Operations
PERDUE FARMS, USA









E. Michael Castle II
Executive VP – CEO of
Feed Division & North
America Sales
ALLTECH, USA





11:30 The Microbiome in Precision Nutrition: Leveraging Metagenomics to Improve Quality, Growth Efficiency and Preventative Health

- With reliance on antibiotics no longer feasible, how can precision nutrition improve the efficiency of livestock farmers' production? What are its limitations?
- What emerging microbial innovations are transforming feed-to-weight conversion, produce quality and preventative health? What is needed to overcome the regulatory hurdles to commercialize these products? How is IP valued in the space?
- What collaboration and investment would accelerate research and development of products that have increasing efficacy and competitive cost-of-goods for the farmer?

SESSION CHAIR	SPEAKERS		
 <p>Megan Lyman Director, IP, Regulatory & Product Development AGTECH ACCELERATOR, USA</p>	 <p>Susanne Palsten Buchardt Vice President, Animal Health & Nutrition NOVOZYMES, DENMARK</p>	 <p>Viggo Halseth Chief Innovation Officer NUTRECO, NORWAY</p>	
 <p>Bryan Tracey CEO & Co-Founder WHITE DOG LABS, USA</p>	 <p>Mike Seely CEO ASCUS BIOSCIENCES, USA</p>	 <p>Vilson Antonio Simon Global VP Animal Health & Nutrition KERRY, USA</p>	

12:15 New Pharmaceutical Frontiers: Preventing Diseases through Next-Gen Vaccines and Diagnostics

- As livestock producers move away from antibiotics for disease prevention, what trends are emerging in the animal health industry? What innovation is required?
- What new methods are set to disrupt the animal health industry for disease detection and vaccination?
- How are corporates and start-ups collaborating to bring these solutions to market sooner?

SPEAKERS	
 <p>Jennifer Filbey CEO MAZEN ANIMAL HEALTH, USA</p>	 <p>Joy Parr Drach CEO ADVANCED ANIMAL DIAGNOSTICS, USA</p>







12:45 Networking Lunch

Hosted by:  TechAccel
Technology Acceleration Partners



1:45 Smart Livestock Farming to Bridge the Efficiency Gap: Empowering Farmers through Digital Insights

- How can digitization bridge the efficiency gap to transform livestock farming and make it more sustainable? What impact does this have on the supply chain?
- What disruptive innovations are emerging to monitor livestock and offer actionable insights to farmers for herd management, disease detection and nutrition needs?
- What collaboration and investment are required to bring these technologies to market and make them cost-effective for farmers? How can the roles of large technology providers and start-ups be coordinated to facilitate the adoption of these technologies?

SESSION CHAIR	SPEAKERS		
 <p>Mareese Keane THRIVE Platform Director THRIVE/SVG PARTNERS</p>	 <p>Sri Raj Kantamneni Managing Director, Digital Insights CARGILL, USA</p>	 <p>Aidan Connolly CEO CAINTHUS, USA</p>	
 <p>Dane Kuper Founder & CEO PERFORMANCE LIVESTOCK ANALYTICS, USA</p>	 <p>Paulo Loureiro Leader, Global Commercial Development & Lifecycle Innovation, Cattle, Equine & Precision Livestock Farming ZOETIS, USA</p>	 <p>Tom Breunig VP – Global Accounts & Business Development ALLFLEX LIVESTOCK INTELLIGENCE, USA</p>	

2:30 Gene Editing: Designing the Livestock of Tomorrow

- What innovation is emerging in breeding and genome editing livestock for disease resistance, heat tolerance, and reproductive and growth efficiency?
- What are the key pain points for commercializing the production and consumption of these animals? What innovation, partnerships and investments will overcome these?
- With increased precision of editing technologies and consumer perceptions changing, what is predicted for the next five years? What lessons can be learned from GM crops?

SESSION CHAIR	SPEAKERS		
 <p>Spencer Maughan Co-Founder & Partner FINISTERE VENTURES, USA</p>	 <p>Mitch Abrahamsen Executive VP, Chief Commercial & Scientific Officer RECOMBINETICS, USA</p>	 <p>Alison Van Eenennaam Animal Geneticist UC DAVIS, USA</p>	
 <p>Abe Huisman Director R&D, Swine HENDRIX GENETICS, NETHERLANDS</p>	 <p>Paulo Loureiro Leader, Global Commercial Development & Lifecycle Innovation, Cattle, Equine & Precision Livestock Farming ZOETIS, USA</p>	 <p>Rick Peterson Senior Director, R&D, Animal Sciences Division INTREXON, USA</p>	

Start-Up Showcase

Four exciting animal agtech entrepreneurs each have seven minutes to pitch their technology solutions and outline their business strategy before taking questions from a 'Shark Panel'.

PRESENTING COMPANIES



Craig Piggott
CEO
HALTER,
NEW ZEALAND



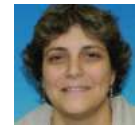
Halter is a US and New Zealand based agtech company developing a SaaS animal management platform, including a solar-powered device that drapes around a cow's neck, tracks their location and physical condition, and nudges them around the farm under machine learning control or pre-set paths. The device increases milk production, enhances animal welfare and protects the environment while also reducing the intensive hours farmers work. Halter's Series A round was led by DCVC with support from the Founders Fund.



Amado Guloy
CEO
REX ANIMAL
HEALTH, USA



Rex is creating the world's largest database on animals that maps genetics to health, disease, feed, production, and medical interactions. Livestock producers, feedlots and farmers can use its genetic testing kits and data dashboard to predict yield and manage disease in their herds for increased animal welfare, biosecurity and sustainability. Agribusinesses can use the data to understand their supply chain and identify the source of potential foodborne illness, find the most efficient producers and set prices in commodities trading.



Dganit Vered
Chairperson of the
Board & VP Business
Development
VIAQUA, ISRAEL



ViAqua has developed an oral delivery platform for preventing aquaculture diseases. ViAqua's first product helps to prevent viral disease infection in shrimp, utilizing a proprietary RNAi encapsulation formulation that disables the viral infection. The product is developed in collaboration with Skretting and achieved high survival rates in trials.



Steven Theriault
CEO
CYTOPHAGE,
CANADA



Cytophage Technologies is a Canadian private corporation that has developed an innovative template technology to produce tailor-made bacteriophages that target and destroy specific bacteria found in humans, animals and agricultural settings (crops, processing facilities, etc). Its bacteriophages present a new tool to address AMR by preventing or treating bacterial infections. Currently Cytophage is focused on developing a bacteriophage feed additive for improving animal health and a bacteriophage spray for reducing bacterial contamination in processing facilities.

SHARKS



Georg Baunach
Co-Founder &
Development
Director
HATCH, SINGAPORE



Eli Kamhine
Group CTO &
Head of R&D
ANTELLIQ, ISRAEL



Brian Loeb
Investor, CGC
Ventures
CONTINENTAL
GRAIN COMPANY,
USA



4:00

Networking Break



Hosted by:



4:30

The Rise of Aquaculture: Transforming the Industry Through Digitization, Closed Systems and Alternative Protein Feeds

- Can aquaculture provide the sustainably produced protein required to feed the world? What is the role of technology in delivering maximum sustainability and efficiency?
- What pain points most affect the aquaculture space? What unique innovation is required and what may be translated from other spaces?
- How is the utilization of alternative protein feeds and precision feeding technologies improving the sustainability of aquaculture? Where are the opportunities for start-ups and feed corporates to collaborate to scale innovation?
- How are accelerators and investors supporting the growth of new aquaculture technologies?

SESSION CHAIR



Mike Velings
Co-Founder & Partner
AQUA-SPARK,
NETHERLANDS



Amane Kimura
Director,
Nutri-Science
Department,
Chemical Division
MITSUI & CO, USA

SPEAKERS



Alan Shaw
President & CEO
CALYSTA, USA



Tony Chen
CEO
MANOLIN, USA



Bryton Shang
CEO
AQUABYTE, USA



Bendik Fyhn Terjesen
Innovation Manager
CERMAQ, NORWAY



Novel Products to Grow Animal Nutrition

Microbiome inspired Clostridia solutions

- *ProTyton* – scalable and sustainable single-cell protein for aquaculture
- *BioTyton* – new paradigm of *in-ovo* fed probiotics
- *MiruTyton* – edible fatty acid salts for animal feeds

Listen to:
White Dog Labs' Bryan Tracy, PhD (CEO)
March 18, 2019
11.30 – 12.15

“The Microbiome in Precision Nutrition”



WHITE DOG LABS

whitedoglabs.com



WE CARE FOR ANIMALS

We are passionate about animal health, and recognise the critical importance of serving animal health needs globally, with a special focus on prevention.

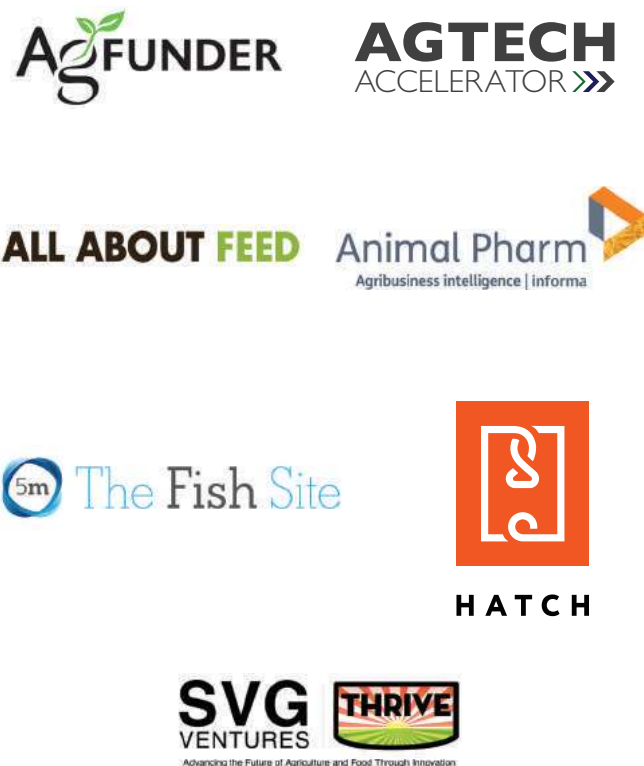
Our innovative and groundbreaking solutions support farmers, veterinarians and animal owners who raise and deeply care for their animals.

We in Boehringer Ingelheim are committed to contributing to the improvement of both human and animal health.

For more information visit our website:
www.boehringer-ingelheim.com/animal-health



MARKETING PARTNERS



5:15

Investor Debate: How Corporate Venture Funds and VCs view the Opportunities in Animal AgTech

- Which areas of animal agtech are most exciting to VC and strategic investors, and have the biggest potential to transform the industry?
- What type of finance and investment will scale and build start-ups in the livestock space?
- What is the role of accelerators and strategic investment in fostering the innovation ecosystem?
- What are investors' predictions for animal agtech over the next five years? What are the exit horizons?

SESSION CHAIR



Maarten Goossens
Co-Founder & Principal
ANTERRA CAPITAL,
NETHERLANDS

SPEAKERS



Brett Morris
Principal
TECHACCEL, USA



Kevin Zussman
Vice President
CULTIVIAN SANDBOX
VENTURES, USA



Spencer Swayze
Managing Director
PAINE SCHWARTZ
PARTNERS, USA



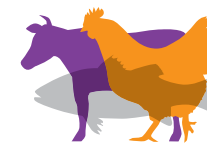
Jenny Rooke
Managing Director
GENOA VENTURES, USA

6:00

Networking Drinks Reception



ANIMALAGTECH INNOVATION SUMMIT



JOIN US FOR ANIMAL AGTECH EUROPE

HEALTH NUTRITION PRECISION
AMSTERDAM, SEPTEMBER 25-26, 2019

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RETHINK AGRI-FOOD INNOVATION WEEK

Connecting you all year round with a world of agri-food opportunities



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September: Amsterdam

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AMSTERDAM, SEPTEMBER 25-26, 2019

fft future food-tech
INNOVATION & INVESTMENT FROM FARM TO FORK
London, October 17-18, 2019

INDOOR AGTECH
INNOVATION SUMMIT 
New York, June 19-20, 2019

WORLD AGRI-TECH 
INNOVATION SUMMIT
London, October 15-16, 2019



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RETHINK AGRI-FOOD
INNOVATION WEEK 
Singapore, November 19-21, 2019

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fft future food-tech
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WORLD AGRI-TECH 
INNOVATION SUMMIT
San Francisco, March 17-18, 2020



Join Rethink Agri-Food Innovation Week events worldwide.

Hosted in San Francisco, New York, London, Singapore and Amsterdam, our leading portfolio of agri-food events brings together a powerful audience ready to explore innovation, investment, partnership and alliancing opportunities in agri-tech and food-tech.

We welcome your feedback and suggestions as we constantly refine our offering and look for new opportunities to connect the industry's most exciting and influential gamechangers.

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