AI & BIG DATA
IN LIFE SCIENCE

EXPERIENCES FROM

**NOVO NORDISK * NOVARTIS * IMMUNITRACK
DANISH MEDICINES AGENCY * GN HEARING
THE DANISH ASSOCIATION OF THE PHARMA-
CEUTICAL INDUSTRY**

relevent*

IN COOPERATION WITH

MEDWATCH   ITwatch   Bech·Bruun

PARTNER
DANSK
ERHVERV

Danish
Life Science
Cluster

SPONSOR
KPMG

IN COOPERATION WITH

PARTNER

SPONSOR

MEDWATCH

MedWatch reports on the pharmaceutical and medtech industry in Denmark, which are important areas beyond the domestic commercial sector and play a vital role for public health and society in general. MedWatch delivers independent, critical and fair journalism and focuses on core substance.

ITwatch

ITWatch closely follows Danish IT and telecommunication players, focusing on the businesses behind the products. We cover strategy, management, results, competition, policy, orders, acquisitions, innovation, careers, job moves and much more. ITWatch delivers independent, critical and fair journalism about the large, leading firms – but also the subcanopy of small and medium-sized businesses that form the

Bech·Bruun

Bech-Bruun is a market-oriented law firm offering a wide range of specialist advisory services to large sections of the Danish corporate and public sectors as well as global enterprises. Counting more than 500 experienced and highly specialised employees, of which 69 are partners, we are one of Denmark's leading full-service law firms.
We have the size and specialist skills to field the best legal team at any time. As our client you can expect valuable and value-adding advisory services. You gain access to a wide range of legal specialist skills. But just as importantly, you will find in-depth understanding of your business reality.

DANSK ERHVERV

Danish **Life Science** Cluster

KPMG

KPMG is a global network of professional services firms providing Audit, Tax and Advisory services. We operate in 153 countries and have 207,000 people working in member firms around the world. We work closely with a broad range of clients, such as business corporations, governments and public sector agencies and not-for-profit organisations. We support them in mitigating risks and exploiting business opportunities. KPMG in Denmark is the fastest growing professional services firm in Denmark, with a revenue of DKK close to 700m in FY18. More than 600 employees and partners ignite potential in clients, delivering value to them with a combination of deep local insight and strong global perspectives.

LIST OF SPEAKERS

Moderator:

Martin Dræbye Gantzhorn,
Partner,
Bech-Bruun

✳ **Thomas Klit Christensen,**
Legal Chief Officer & Head of Foreign Trade Policy,
The Danish Association of the Pharmaceutical Industry

✳ **TBA**

✳ **Rolf Oberlin Hansen,**
Special adviser,
Danish Medicines Agency

✳ **Orla Doyle,**
Director Data Science, Analytics,
Global Drug Development,
Novartis

✳ **Stephan Thorgrimsen,**
CEO,
Immunitrack

✳ **Casper Guldager,**
Management Consultant,
KPMG

✳ **Trine Julie Abrahamsen,**
Principal Data Scientist,
Novo Nordisk A/S

✳ **Josefine Vilsbøll Sundgaard,**
PostDoc,
Novo Nordisk A/S

✳ **Anthea Bott,**
Manager, RDC Insights and Machine Learning,
GN Hearing

✳ **Bjørn Høj,**
Entrepreneur in Residence, VentureWorks,
GN Hearing

✳ **Anja Lundgreen,**
Principal Standards Specialist,
Novo Nordisk A/S

✳ **Hemanth Padmakar,**
Principal Data Management Specialist,
Novo Nordisk A/S

✳ **TBA**

✳ **TBA**

PROGRAM

09:00-09:05 WELCOME

Martin Dræbye Gantzhorn, Partner, *Bech-Bruun*

09.05-09.30 INDUSTRI PERSPECTIVES ON EUROPEAN HEALTH DATA SPACE

Thomas Klit Christensen, Legal Chief Officer & Head of Foreign Trade Policy, *The Danish Association of the Pharmaceutical Industry*

09.30-10.00 TBA

10:00-10:05 SHORT BREAK

10:15-10:45 FACILITATING HARMONIZATION AND CORRECT LEVELS OF REGULATION FOR AI

The Danish Medicines Agency's Section for Medical Devices are working actively and internationally to ensure that Artificial Intelligence can be utilized to its' full potential. The field requires special attention and clear lines of regulation to ensure patient safety, but also uptake in the healthcare sector and global harmonization to enable a broad market.

Hear about the regulators' thoughts, collaborations, current headaches and challenges, as well as what can be expected for the future of AI in medical devices.

Rolf Oberlin Hansen, Special adviser, *Danish Medicines Agency*

10:45-11:00 NETWORKING BREAK

11:00-11:30 GRASSROOTS APPLICATIONS OF DATA SCIENCE

Data science holds great promise across the life sciences industry with many applications gravitating towards predicting the outcome for an individual. In this talk, I will focus on more grassroots applications of data science that could

have more immediate impact in our work. Firstly, I will discuss how interpretable data science can help identify data quality issues which can be difficult to capture purely through rules-based approaches. Secondly, I will focus on using data science to guide complex decision making within drug development by estimating the probability of success if a medicine was to transition from one stage of development to the next.

Orla Doyle, Director Data Science, Analytics, Global Drug Development, *Novartis*

11:30-12:00 COMBINING AI WITH PROPRIETARY DATA-GENERATION FOR STRATIFICATION OF CANCER PATIENTS

Cancer immunotherapy by Immune checkpoint blockade has revolutionized the way we can treat and cure cancer patients. The benefit of such treatment is however limited by poor biomarker solutions. Using AI with proprietary data generation, Immunitrack seeks to profile patients with unmet accuracy. We will present our current development strategy, and how we believe our solution will make a difference.

Stephan Thorgrimsen, PhD, MBA, CEO *Immunitrack*

12:00-13:00 LUNCH AND TIME TO NETWORK

13:00-13:30 FROM MODEL TO PRODUCTION

Casper Guldager, Management Consultant, *KPMG*

13:30-14:00 USING AI TO LEARN FROM BIOMEDICAL IMAGES AT NOVO NORDISK

In this session, we will provide an introduction to how we at Novo Nordisk use AI to analyse biomedical images. We will give a brief introduction

and present examples of how AI enable insights in disease risk and progression biomarkers.

Trine Julie Abrahamsen, Principal Data Scientist, *Novo Nordisk A/S*

Josefine Vilsbøll Sundgaard, PostDoc, *Novo Nordisk A/S*

14:00-14:15 NETWORKING BREAK

14:15-14:45 MARKETING MACHINE LEARNING PRODUCTS IN THE HEARING AID INDUSTRY

In this presentation, Bjørn Høj and Anthea Bott will share their learnings on the importance of R&D collaborating with marketing to drive successful machine learning features within the hearing aid industry.

Anthea Bott, Manager, RDC Insights and Machine Learning, *GN Hearing*

Bjørn Høj, Entrepreneur in Residence, Venture-Works, *GN Hearing*

14:45-15:15 AUTOMATED TEST DATA FOR FRONTLOADING IN CLINICAL STUDIES

To support system setup, data flow, frontloading on data structure issues, data mapping, transformations and analysis, Novo Nordisk together with Damvad Analytics decided to try to create a test data solution, that was automated and could solve some or all of the challenges mentioned above. This solution was named 'Kassandra'.

Kassandra is a python-based algorithm that generates test data for trials. It injects data into InForm (EDC) and also generates test data for external laboratory data systems. It automatically reads trial specifications, generates patients, populates forms and injects data. It is a unified user-friendly solution which covers most common use cases. We can easily modify test data

PROGRAM

for special purposes using a configuration file.
Kassandra is maintainable and extendable to
support the many new needs, the test data must
support now and in the future.

Anja Lundgreen, Principal Standards Specialist,
Novo Nordisk A/S

Hemanth Padmakar, Principal Data Management
Specialist, *Novo Nordisk A/S*

15:15-15:25 NETWORKING BREAK

15:25-16:00 TBA

16:00-16:30 TBA

16.30-16.35 CLOSING REMARKS

Martin Dræbye Gantzhorn, Partner, *Bech-Bruun*

PRISER & PRAKTIK

REGISTRATION FEE

REGISTRATION	Early bird by 28 October 2022	Regular fee after 28 October 2022
	DKK 5.495,- (+ VAT)	DKK 5.995,- (+ VAT)

Registration fee includes conference delegate material, refreshments and lunch. Accommodation is **not** included.

3-at-2 discount - 3 delegates from the same company, that register at the same time, pay the price of 2

Members of The Danish Chamber of Commerce get a member discount – please inform us about your membership when registering.

Discounts can not be combined.

WHERE

Charlottehaven, Hjørringgade 12C, 2100 København Ø, telefon +45 3527 1500

WHEN

Tuesday 29 November 2022

REGISTRATION

Registration at info@relevent.dk – please contact +45 2830 5445 or +45 4195 1429 with any questions.

Cancellations must be given in writing to info@relevent.dk and will be subject to a fee.

Cancellation fee before 15 NOVEMER 2022 - 10% of registration fee.

Cancellation fee before 22 NOVEMBER 2022 - 50% of registration fee.

Cancellation fee from 25 NOVEMBER 2022 – no refund, thus 100% of registration fee.

To avoid cancellation fees – you may transfer your registration to a colleague.

Please inform Relevent prior to the conference in writing to info@relevent.dk

relevent*