AI IN GASTROENTEROLOGY

March 14, 2024

Workshop
COPENHAGEN, DENMARK

APPLICATION FOR **CME** **CREDITS** SUBMITTED

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An application has been made to the UEMS EACCME®
for CME accreditation of this event. The number of credits
awarded will be printed in the final program.

WORKSHOP – AI IN HEPATOLOGY AND GASTROENTEROLOGY

March 14, 2024

Scientific Organization:
Prof. Dr. Cesare Hassan, Milan (Italy)
Prof. Dr. Helmut Messmann, Augsburg (Germany)
Yuichi Mori, MD, PhD, Oslo (Norway)
Prateek Sharma, MD, Kansas City (USA)

Congress Venue:
Tivoli Hotel & Congress Center
Arni Magnussons Gade 2
1577 Copenhagen
Denmark

For admission to scientific events your name badge should be clearly visible.

Accompanying persons are not permitted during the conference at any time.

Call for Posters:
A poster session will be held. For details see page 10.

Start of Registration:
Wednesday, March 13, 2024
16:00 – 21:00 h
at the congress office

Publication Date of the Final Program:
February 2024

The final program will be available on the website www.falkfoundation.org one week before the start of the symposium.

Thursday, March 14, 2024

08:15 Welcome
*Cesare Hassan, Milan; Helmut Messmann, Augsburg;
Yuichi Mori, Oslo; Prateek Sharma, Kansas City*

SESSION I

Basics of AI from A - Z

Chairs: *Cesare Hassan, Milan; Prateek Sharma, Kansas City*

08:30 Overview of AI and machine learning in gastroenterology
Jakob Nikolas Kather, Dresden

08:50 Concept of uncertainty in machine learning
Christoph Palm, Regensburg

09:10 Data collection and preparation for AI in gastroenterology
Sravanthi Parasa, Seattle

SESSION II A

AI in disease detection, diagnosis and treatment

Chairs: *Michael Byrne, Vancouver; Yuichi Mori, Oslo*

09:30 AI for premalignant and malignant esophageal disorders
(squamous dysplasia, SCC, Barrett's and EAC)
Helmut Messmann, Augsburg

09:50 AI for benign esophageal disorders
(EOE, GERD, Motility disorders with manometry and EndoFlip)
Alanna Ebigbo, Augsburg

10:10 AI for gastric dysplasia and cancer
N.N.

10:30 **Coffee break**

SESSION II B

AI in disease detection, diagnosis and treatment

Chairs: *Helmut Messmann, Augsburg; Marietta Iacucci, Cork*

11:00 AI and IBD endoscopy - current landscape and the road ahead.
Raf Bisschops, Leuven

11:20 AI for detection and characterization of colorectal polyps
Cesare Hassan, Milan

11:50 AI in colonoscopy - beyond CADe and CADx!
Yuichi Mori, Oslo

SESSION II C

AI in disease detection, diagnosis and treatment

Chairs: *Nasim Parsa, Vancouver; James East, Oxford*

12:00 AI in pancreatobiliary disorders (EUS and ERCP)
Dominik Schulz, Augsburg

12:20 AI to improve workflow and efficiency in practice
Prateek Sharma, Kansas City

12:40 The role of AI in oncology
Jakob Nikolas Kather, Dresden

13:00 **Lunch break**

13:45 **Poster session**

Thursday, March 14, 2024

SESSION III

AI in education, cost reduction and environmental impact

Chairs: *Cesare Hassan, Milan; Prateek Sharma, Kansas City*

14:15	Building AI in GI fellowship training *Nasim Parsa, Vancouver*
14:30	How AI can improve endoscopy research? *Omer Ahmad, London*
14:45	Can AI reduce healthcare costs in gastroenterology? *Yuichi Mori, Oslo*
15:00	Green Endoscopy! AI to reduce carbon footprint in GI practice *James East, Oxford*
15:15	**Panel discussion**

SESSION IV

Ethical and legal considerations of AI in gastroenterology

Chairs: *Alanna Ebigbo, Augsburg; Jakob Nikolas Kather, Dresden*

15:30	Ethical and legal considerations of AI in gastroenterology practice *Omer Ahmad, London*
15:45	Trustworthy, fair and safe AI implementation into your practice *Prateek Sharma, Kansas City*
16:00	Avoiding bias in AI studies *Cesare Hassan, Milan*
16:15	**Panel discussion**
16:30	**Coffee break**

SESSION V

Introduction to Large Language Models (LLMs)

Chairs: *Sravanthi Parasa, Seattle; Michael Byrne, Vancouver*

17:00 Applications of LLMs in gastroenterology research and practice
Sravanthi Parasa, Seattle.

17:15 Future directions and challenges in utilizing LLMs in gastroenterology
Larissa Suzuki, Cambridge

17:45 Poster Award Session

SESSION VI

State of the art lecture

Chair: *Helmut Messmann, Augsburg*

18:00 Future directions of AI in gastroenterology
Michael Byrne, Vancouver

18:30 Closing remarks

LIST OF SPEAKERS, MODERATORS AND SCIENTIFIC ORGANIZERS

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POSTER SESSION

Posters will be exhibited on March 14, 2024. The authors will be in attendance during coffee and lunch breaks on the day.

CALL FOR POSTERS

Please submit your poster abstract before December 1, 2023.

Abstracts must be submitted via our Internet Abstract Submission System (https://poster.falkfoundation.com) where further information regarding the submission format and the submission process is available.

The abstracts will be selected by the scientific organizers, with preference being given to those thematically related to one of the sessions of the congress. The accepted abstracts will be printed and distributed to congress participants along with the other meeting information.

Poster authors will receive notification about acceptance and further instructions in January 2024.

For the first author of an accepted poster, accommodation expenses (rooms booked by the Falk Foundation) and fees for the scientific program will be covered during the Workshop.
Travel expenses will not be covered.

POSTER AWARDS

Three prizes will be awarded for the best poster presentations. Winners will be asked to give a short presentation (2 – 5 minutes) of their poster during the award ceremony.

Award winners will be presented with a certificate and prize money of EUR 3000, EUR 2000 and EUR 1000.

Travel expenses will also be covered for the first authors of the three winning posters.

REGISTRATION

You can register for the event via our homepage:
www.falkfoundation.org
Registration is only possible online.

CONGRESS FEES

Scientific Program of Workshop	EUR 150
Students (copy of student ID required)	EUR 75

The congress fees include:
– Pre-Opening and Welcome on Wednesday, March 13, 2024
– Refreshments during coffee breaks
– Lunch on Thursday, March 14, 2024
– A copy of the final program

CONGRESS OFFICE AND REGISTRATION

Opening Hours:

Wednesday, March 13	16:00 - 21:00 h
Thursday, March 14	08:00 - 20:00 h

ARRIVAL

From Copenhagen Airport

You can take the train direct from Copenhagen Airport Terminal 3 on track 2 to Copenhagen. Get off at Copenhagen Central Station and walk to the hotel, which is within 8-10 minutes walking distance.

You can also get a train on tracks 11 and 12 at Central Station that will take you to Dybbølsbro Station. Tickets from the airport to Copenhagen Central Station are also valid on the bus, metro and S-train.
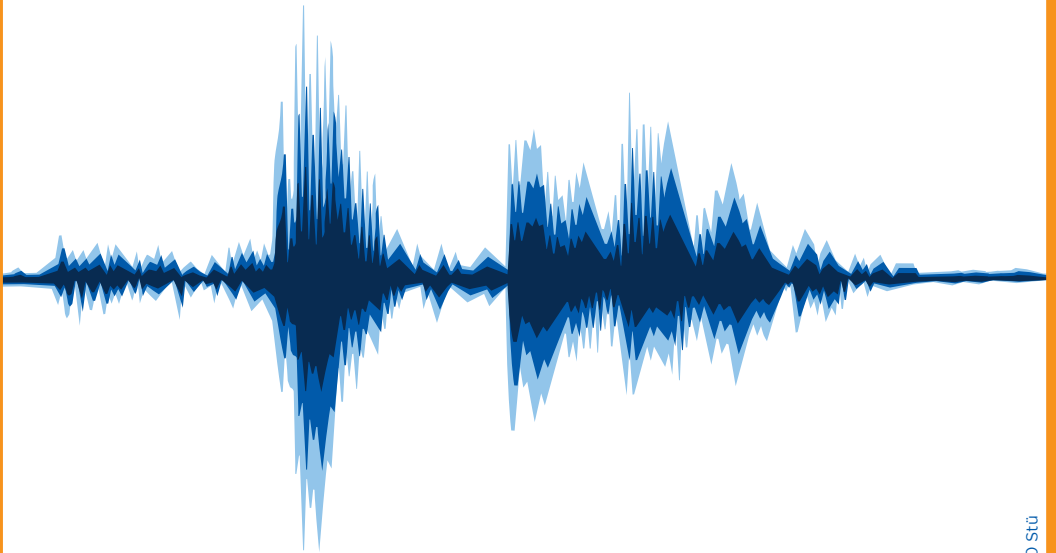
Taking a taxi from the airport will cost approx. DKK 280. All taxis are metered and accept all major international credit cards.

Parking

At Tivoli Hotel & Congress Center there is a big, video-monitored carpark in the building with space for 500 vehicles. The parking spaces are available on a first-come-first-served basis - please note that the carpark is for public use so it is not possible for us to book a space for you in advance. Prices: Per day DKK 235, per hour DKK 55.

Registration via www.falkfoundation.org or simply scan and participate.