

**CPH
BAT
2024**

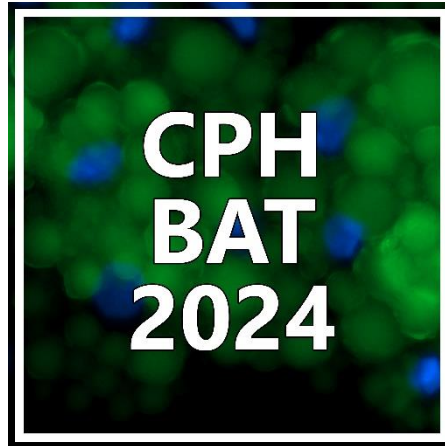
CONFERENCE PROGRAM

**THE MULTIDIMENSIONAL
FUNCTIONS OF ADIPOSE TISSUE**

May 27 – May 31, 2024

Comwell Copenhagen Portside,
Copenhagen, Denmark

Organized by
Rigshospitalet and University of Copenhagen



CPH BAT 2024 INTERNATIONAL CONFERENCE

CENTRE FOR
PHYSICAL

ACTIVITY RESEARCH

Novo Nordisk Foundation
**CENTER FOR
BASIC
METABOLIC
RESEARCH**



*Scientific Committee: Camilla Scheele, Søren Nielsen,
Zachary Gerhart-Hines and Bente Klarlund Pedersen*

Organized by Rigshospitalet and University of Copenhagen

MAY 27

PRE-CONFERENCE – MONDAY (DAY 0)

17.00 – 19.00

Networking and early registration

MAY 28

DAY 1 - TUESDAY

08.15 – 08.45

Registration

08.45 – 09.00

Welcome (by Organizers)

KEYNOTE LECTURE

Chair: TBA

09.00 – 10.00

Title TBA

Michael Paul Czech (USA)

10.00 – 10.30

Coffee

SESSION 1

Chair: TBA

10.30 – 11.00

Adipocyte plasticity and heterogeneity in humans

Kirsty Spalding (SWE)

11.00 – 11.30

Brown fat and cardiometabolic health: From human cohorts to underlying mechanisms

Paul Cohen (USA)

SHORT TALKS:

11.30 – 11.45

Title TBA

TBA

11.45 – 12.00

Title TBA

TBA

12.00 – 13.00

Lunch

SESSION 2	Chair: TBA
13.00 – 13.30	Thermogenesis by the Futile Creatine Cycle: quantitative contribution and activation mechanism Lawrence Kazak (CAN)
13.30 – 14.00	Life without UCPs Martin Jastroch (SWE)
14.00 – 14.30	<i>Coffee</i>
SESSION 3	Chair: TBA
14.30 – 15.00	Adipose tissue composition and metabolic control Christian Wolfrum (CH)
15.00 – 15.30	Title TBA Silvia Corvera (USA)
15.30 – 16.00	<i>Fresh air break</i>
16.00 – 18.00	Poster session and Networking
18.30 –	Speaker's Dinner

MAY 29

DAY 2 - WEDNESDAY

SESSION 4

Chair: TBA

09.00 – 09.30

Turning white adipose tissue to beige-the role of glutamine metabolism

Mikael Rydén (SWE)

09.30 – 10.00

Title TBA

Prashant Rajbhandari (USA)

10.00 – 10.30

Coffee

SESSION 5

Chair: TBA

10.30 – 11.00

Title TBA

Edward Pearce (USA)

11.00 – 11.30

Adipose tissue response and inter-tissue communication following an exercise bout in type 2 diabetes!

Anna Krook (SWE)

SHORT TALKS:

11.30 – 11.45

Title TBA

TBA

11.45 – 12.00

Title TBA

TBA

12.00 – 13.00

Lunch

SESSION 6

Chair: TBA

13.00 – 13.30

Mouse and human UCP1: function and significance

Jan Nedergaard (SWE)

13.30 – 14.00

Brown adipose tissue epidemiology: higher BAT activity protects against type 2 diabetes

Ruth Loos (DK)

14.00 – 14.30

Coffee

SESSION 7

Chair: TBA

14.30 – 15.00

Epigenetic regulation of thermogenic program

Yu-Hua Tseng (USA)

15.00 – 15.30

Title TBA

Shingo Kajimura (USA)

15.30 – 16.00

Fresh air break

16.00 – 18.00

Poster session and Networking

18.30 –

Dinner on own

MAY 30

DAY 3 - THURSDAY

SESSION 8

Chair: TBA

09.00 – 09.30

The unsurpassed potential of adipose tissue to influence metabolism

Philipp Scherer (USA)

09.30 – 10.00

Title TBA

Susanne Mandrup (DK)

10.00 – 10.30

Coffee

SESSION 11

Chair: TBA

10.30 – 11.00

Sympathetic regulation of brown adipose function and systemic metabolism

Lori Zeltser (USA)

11.00 – 11.30

Sex differences in BAT thermogenesis in humans

Denis Blondin (CAN)

11.30 – 12.30

"MEET THE EDITOR"

12.30 – 13.30

Lunch

SESSION 9

Chair: TBA

13.30 – 14.00

Title TBA

David Guertin (USA)

14.00 – 14.30

Title TBA

Alexander Pfeifer (GER)

14.30 – 15.00

Coffee

15.00 – 15.30

Concluding remarks and introduction to Scientific Networking

15.30 – 17.30

Scientific Networking, TBA

19.00 –

Conference Dinner

MAY 31

DAY 4 – FRIDAY (POST-CONFERENCE)

DEPARTURE

TEMPORARY PROGRAM

Organizing team:

Søren Nielsen, Camilla Scheele, Zach Gerhart-Hines,
Bente Klarlund Pedersen, Inge Holm, Emil Toft

Conference manager:

Emil Toft

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SPEAKERLIST:

Alexander Pfeifer

Bonn International Graduate School of Neuroscience, Germany

Anna Krook

Department of physiology and pharmacology, Karolinska Institutet, Sweden

Christian Wolfrum

ETH Zürich, Department of Health Science and Technologies, Switzerland

David Guertin

University of Massachusetts Medical School, USA

Denis Blondin

University of Sherbrooke, Canada

Edward Pearce

John Hopkins University, USA

Jan Nedergaard

Department of Molecular Biosciences, The Wenner-Gren Institute, Stockholm University, Sweden

Kirsty Spalding

Karolinska Institutet, Sweden

Lawrence Kazan

Department of Biochemistry, McGill University, Canada

Lori M. Zeltser

Columbia University, USA

Martin Jastroch

Stockholm University, Sweden

Michael Paul Czech

University of Massachusetts Medical School, USA

Mikael Rydén

Karolinska Institutet, Sweden

Paul Cohen

The Rockefeller University, USA

Philipp Scherer

Touchstone Diabetes Center, University of Texas Southwestern Medical Center, Dallas, USA

Prashant Rajbhandari

Icahn School of Medicine at Mt. Sinai., USA

Ruth Loos

Novo Nordisk Foundation Center for Basic Metabolic Research, Faculty of Health and Medical Sciences, University of Copenhagen, Denmark

Shingo Kajimura

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Silvia Corvera

University of Massachusetts Medical School, USA

Susanne Mandrup

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Yu-Hua Tseng

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