



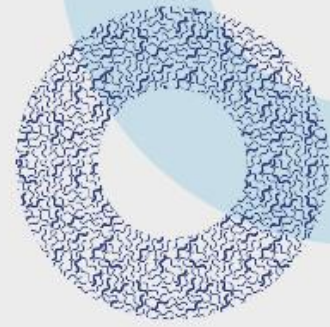
**Danish Diabetes and
Endocrine Academy**

**PhD Course in
Metabolic Bone Disease:
Bridging Clinics with Basic
Research**

30 April – 02 May 2024

**Comwell H.C. Andersen
Odense/ ODEON
Claus Bergs Gade 7
5000 Odense DK**

Session overview



Day 1

Course opening

Tuesday 30 April

Welcome, social activities and networking dinner

Day 2

Session I

New concepts in bone biology

Session II

Endocrine regulation of bone

Session III

Learning from Big Data

Session IV

Visit to Ossiform ApS

Session V

Scientific networking activity – pitch your research project

Day 3

Session VI

How to design a clinical trial and basic cell-based study

Session VII

Group work – design and pitch a new group project

Course closing

Programme

Tuesday 30 April

17:30-18:00 Registration and welcome drink

18:00-18:30 **Welcome, course opening, and introduction**

Education & Networking Manager **Gretchen Repasky**, Danish Diabetes and Endocrine Academy (DK); Associate Professor **Alexander Rauch**, University of Southern Denmark (DK); Professor **Bente Langdahl**, Aarhus University (DK); Professor **Morten Frost**, University of Southern Denmark (DK); and Professor **Ryan Riddle**, University of Maryland (US)

18:30-20:30 Networking dinner in hotel restaurant

21:00-22:00 Nightwatchman Tour of Odense

Meet in hotel lobby

Programme

Wednesday 1 May

07:00-08:00 Breakfast at the hotel for those staying overnight at the hotel

08:00-08:20 Arrival, hang posters, light breakfast

08:20-08:30 Welcome back

Education & Networking Manager **Gretchen Repasky**, Danish Diabetes and Endocrine Academy (DK)

Session I **New concepts in bone biology**

Chair: Professor **Ryan Riddle**, University of Maryland (US)

08:30-09:00 Key differences and similarities between human and mouse cortical bone

Professor **Nathalie Sims**, University of Melbourne (AU)

09:00-09:10 Questions & answers

09:10-09:20 Short break

09:20-09:50 The emergence of osteocytes as master regulators of mechanical signaling in bone

Professor **Alex Robling**, Indiana University School of Medicine (US)

09:50-10:00 Questions & answers

10:00-10:30 Coffee & tea break

Session II **Endocrine regulation of bone**

Chair: Professor **Ryan Riddle**, University of Maryland (US)

10:30-11:00 Hormonal Regulators of Bone Marrow Adipose Tissue
Associate Professor **Pouneh Fazeli**, University of Pittsburgh (US)

11:00-11:10 Questions & answers

11:10-11:20 Short break

11:20-11:50 Skeletal consequences of incretin-based treatment of diabetes and obesity?

Professor **Morten Frost Nielsen**, University of Southern Denmark (DK)

11:50-12:00 Questions & answers

12:00-13:15 Lunch in Odeon Social

Session III Learning from big data

Chair: Professor **Bente Langdahl**, Aarhus University (DK)

13:15-13:45 The FNIH-SABRE project and future clinical trials of new treatments for osteoporosis

Professor **Richard Eastell**, University of Sheffield, Medical School (UK)

13:45-13:55 Questions & answers

13:55-14:05 Short break

14:05-14:35 Bone at single-cell resolution

Research Officer **Ryan Chai**, Garvan Institute of Medical Research (AU)

14:35-14:45 Questions & answers

14:45-15:15 Coffee & tea break

15:15-16:00 Walk to Ossiform

Session IV Biotech session

Chair: Associate Professor **Alexander Rauch**, University of Southern Denmark (DK)

16:00-17:30 Presentation & tour at Ossiform ApS
Co-Founder and Chief Technology Officer **Martin Bonde Jensen**, Sales & Marketing Manager **Monica Wellejus**, and Business Developer **Sif S. Dahl**, Ossiform ApS (DK)

17:30-18:00 Walk to Storms for pre-dinner drink

Session V **Group work**

Chairs: Associate Professor **Alexander Rauch**, University of Southern Denmark (DK) and Professor **Morten Frost Nielsen**, University of Southern Denmark (DK)

18:00-18:15 Meet your group members

18:15-19:15 Scientific networking activity: Pitch your research project in a small group

19:30- Dinner in hotel restaurant

Programme

Thursday 2 May

07:00-08:00 Breakfast at the hotel for those staying overnight at the hotel

08:00-08:20 Arrival, light breakfast

08:20-08:30 Welcome back

Education & Networking Manager **Gretchen Repasky**, Danish Diabetes and Endocrine Academy (DK)

Session VI **How to design a clinical trial and basic cell-based study**

Chair: Professor **Morten Frost Nielsen**, University of Southern Denmark (DK)

08:30-08:40 Bone histomorphometry – strengths and limitations

Associate Professor **Thomas Levin Geiser Andersen**, University of Southern Denmark (DK)

08:40-08:45 Questions & answers

08:45-08:55 Applying transcriptomics in your research project, sample requirements, resolution, and study design

Associate Professor **Alexander Rauch**, University of Southern Denmark (DK)

08:55-09:00 Questions & answers

09:00-09:10 How to design a clinical trial in a rare condition like Fibrous Dysplasia/McCune Albright syndrome

Internist-Endocrinologist **Natasha Appelman-Dijkstra**, Leiden University Medical Center (NL)

09:10-09:15 Questions & answers

09:15-09:25 Diving into the bone matrix

Postdoc **Eva Maria Wölfel**, University of Southern Denmark (DK)

09:25-09:30 Questions & answers

09:30-09:45 Short break

09:45-10:15 How to design and conduct a clinical trial

Professor **Bente Langdahl**, Aarhus University (DK)

10:15-10:45 How to design a basic science study: from cells to mouse models

Professor **Ryan Riddle**, University of Maryland (US)

10:45-11:00 Discussion with all participants and speakers of the session

11:00-11:30 Coffee & tea break

Session VII **Group work to design and pitch a new project together**

Chairs: Associate Professor **Alexander Rauch**, University of Southern Denmark (DK) and Professor **Morten Frost Nielsen**, University of Southern Denmark (DK)

11:30-12:30 Group work to design a new project together

12:30-13:30 Lunch in your groups in Odeon Social

13:30-14:30 Project pitches

14:30-14:45 Course reflection and closing

Organisers of the scientific programme

14:45-15:15 Coffee & tea break

Informal networking before the start of the symposium

Organising Committee Scientific Programme

Alexander Rauch, Associate Professor, University of Southern Denmark (DK)

Bente Langdahl, Professor, Aarhus University (DK)

Morten Frost Nielsen, Professor, University of Southern Denmark (DK)

Ryan Riddle, Professor, University of Maryland (US)



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