

Novo Nordisk-KI SYMPOSIUM

*Celebrating the
Novo Nordisk Postdoctoral
Fellowship Programme at
Karolinska Institutet*

March 19-20, 2024 | Karolinska Institutet

Time: March 19, 10:00-17:30 | March 20, 10:30-12:30

Venue: Biomedicum, Solnavägen 9, Karolinska Institutet

Registration: [at this site](#) by March 3

Program March 19. Venue: Eva & Georg Klein Hall

09:30 - 10:00 REGISTRATION AND COFFEE

SESSION 1 Forming the program: design, supervision, mentoring Chair: Juleen Zierath

10:00 - 10:20 "Forming the next generation. Overview of the 10-year program"
Juleen Zierath (MMK, KI) and **Peter Kurtzhals** (Novo Nordisk)

10:20 - 10:35 "Studies of human adipose tissue – an overview"
Mikael Rydén (MedH, KI)

10:35 - 10:50 "The dyslipidemic insult – lipoproteins and the immune system in multi-organ pathophysiology"
Stephen Malin (MedS, KI)

10:50 - 11:05 "Pathogenesis and prevention of type 1 diabetes"
Malin Flodström Tullberg (MedH, KI)

11:05 - 11:25 BREAK

11:25 - 11:40 "Mentoring KI Post docs: Bridging industry mindset and university innovation"
Thomas Åskov Pedersen (Novo Nordisk)

POSTER SESSION 1 Chair: Stefan Nobel

11:40 - 12:15 Poster pitching - introduction of fellows and posters

12:15 - 13:00 LUNCH + POSTERS in the foyer by the entrance

KEYNOTE Research and Development at Novo Nordisk Chair: Peter Kurtzhals

13:00 - 13:40 "Insights from Clinical Development: A Deep Dive into the Translational Aspects of FGF21"
Birgitte Andersen (Novo Nordisk)

13:40 - 13:55 BREAK

SESSION 2 Research by current fellows Chair: Stefan Nobel

13:55 - 14:10 "Harnessing neural signals to resolve hepatic immuno-metabolic dysfunction"
Osman Ahmed (MedS, KI)

14:10 - 14:25 "The Role of Red Blood Cell-derived Extracellular Vesicles for Vascular Injury in Type 2 Diabetes"
Aida Collado Sánchez (MedS, KI)

14:25 - 14:40 "Identification and functional examination of insulin regulated genes in human adipocytes reveals novel regulators of de novo lipogenesis"
Scott Frendo-Cumbo (MedH, KI)

14:40 - 14:55 "An integrated analysis of the skeletal muscle transcriptome and methylome in response to exercise in females with type 2 diabetes and normal glucose tolerance"
Kirstin MacGregor (FyFa, KI)

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- 14:55 - 15:10 "A long non-coding RNA regulating skeletal muscle protein metabolism"
Ilke Sen (FyFa, KI)
- 15:10 - 15:35 COFFEE BREAK

SESSION 3 Research and work by alumni fellows Chair: Håkan Karlsson

- 15:35 - 15:50 "Skeletal muscle-adipose tissue crosstalk during exercise: a role for immune cells"
Lucile Dollet (University of Copenhagen)
- 15:50 - 16:05 "From Postdoc to Precision Medicine Specialist - switching gears following a passion to improve patient care"
Katharina Herzog (Novo Nordisk)
- 16:05 - 16:20 "How long noncoding RNAs adapt the adipocyte for specialized lipid handling"
Alastair Kerr (MedH, KI)
- 16:20 - 16:30 Closing Remarks

POSTER SESSION 2

- 16:30 - 17:30 Drinks and light bites served in the foyer by the entrance
- 16:30 - 17:00 Posters with odd numbers will be presented
- 17:00 - 17:30 Posters with even numbers will be presented

Program March 20. Venue: Ragnar Granit seminar room

SESSION 4 Impact of program: career paths Chair: Dorthe Lundsgaard, Stefan Nobel

10:30 - 11:00 Workshop on CV. **Lee Milligan** (Novo Nordisk)

11:00 - 11:45 Panel discussion on career paths with alumni fellows. Moderated by **Vladimir Pabón-Martínez** and **Ana Oliveira** from KI Career Service.

LIGHT LUNCH SERVED

11:45 - 12:30 Breakout sessions with informal discussions on academic and industrial careers. Moderated by Dorthe Lundsgaard, Ana Oliveira, Vladimir Pabón-Martínez and Stefan Nobel.

Speakers March 19



Juleen Zierath, Professor, Departments of Physiology and Pharmacology and Molecular Medicine and Surgery, Karolinska Institutet, Chairman Joint Steering Committee NN Postdoctoral Fellowship Programme at KI



Peter Kurtzhals, Professor, Chief Scientific Advisor, Novo Nordisk A/S, Joint Steering Committee member NN Postdoctoral Fellowship Programme at KI



Mikael Rydén, Professor/Senior Physician, Department of Medicine, Huddinge, Karolinska Institutet



Stephen Malin, Principal Investigator, Department of Medicine, Solna, Karolinska Institutet



Malin Flodström Tullberg, Professor, Department of Medicine, Huddinge, Karolinska Institutet



Thomas Åskov Pedersen, Principal Scientist, Novo Nordisk A/S



Birgitte Andersen, Scientific Vice President, Novo Nordisk A/S



Osman Ahmed, Postdoctoral researcher, Department of Medicine, Solna, Karolinska Institutet

Speakers March 19



Aida Collado Sánchez, Postdoctoral researcher, Department of Medicine, Solna, Karolinska Institutet



Scott Frendo-Cumbo, Postdoctoral researcher, Department of Medicine, Huddinge, Karolinska Institutet



Kirstin MacGregor, Postdoctoral researcher, Department of Physiology and Pharmacology, Karolinska Institutet



Ilke Sen, Assistant Professor, Department of Physiology and Pharmacology Karolinska Institutet



Lucile Dollet, Postdoctoral researcher, Novo Nordisk Foundation Center for Basic Metabolic Research, Copenhagen



Katarina Herzog, Precision Medicine Specialist, Novo Nordisk A/S



Alastair Kerr, Principal Investigator, Department of Medicine, Huddinge, Karolinska Institutet