

INVITATION

XXIV annual symposium of the Dutch Thyroid Research Foundation

The Dutch Thyroid Research Foundation cordially invites you to the 24th edition of its annual symposium, which will take place on December 10 2021 at the **Trippenhuis in Amsterdam**. International and Dutch experts will highlight important recent developments in basic and clinical thyroidology.

The symposium will start with a session on Graves' disease with Prof. George Kahaly (Gutenberg University Medical Center) discussing novel clinical insights in Graves' disease followed by Dr. Wim Dik (ErasmusMC) with a presentation on the basic aspects of Graves' disease. The focus will then shift to new aspects of thyroid hormone transporters presented by Dr. Nilhan Gunhanlar and Ferdy van Geest (ErasmusMC).

After lunch we will start with four short presentations selected from submitted abstracts. You can send in your abstract before the 1st of November 2021 to e.bruinstroop@amsterdamumc.nl.

Prof. Anita Boelen (Amsterdam UMC) will then introduce the session with her research on the role of thyroid hormone in innate immune cells, followed Dr. Frederic Flamant (Institut de Génomique Fonctionnelle de Lyon) who will discuss the hypothalamus/adipose tissue cross-talk. After tea, Prof. Yolanda de Rijke (ErasmusMC) will talk on measuring a thyroid hormone metabolic profile in serum followed by Dr. Marco Medici (ErasmusMC) on the T3-4-Hypo trial. The symposium ends with a presentation by Prof. Antonio Bianco (University of Chicago) who will discuss basic and translational implications of the type 2 deiodinase polymorphisms.

We look forward to an exciting meeting and hope to see you in Amsterdam!

The Dutch Thyroid Research Foundation

9:30 **Welcome and registration**

9:50 **Introduction**

Thyroid; Graves' disease

10.00 **Clinical aspects of Graves' disease**

George Kahaly [Gutenberg University Medical Center, Mainz]

10.30 **Basic aspects of Graves' disease**

Wim Dik [Erasmus MC, Rotterdam]

Thyroid hormone transporters; new aspects

11.00: **Using Induced Pluripotent Stem Cells to model the neurological phenotype of Thyroid Hormone-signaling disorders**

Nilhan Gunhanlar [Erasmus MC, Rotterdam]

11.30: **Understanding MCT8 deficiency: an integrative genomic, phenomic, functional and structural approach**

Ferdy van Geest [ErasmusMC, Rotterdam]

12.00: Lunch

Thyroid hormone research

13.00 selected abstract

13.15 selected abstract

13.30 selected abstract

13.45 selected abstract

Cellular thyroid hormone signaling

14.00: **The role of thyroid hormone in innate immune cells**

Anita Boelen [AmsterdamUMC, Amsterdam]

14.30: **Thyroid thermogenic function: the hypothalamus/adipose tissue cross-talk**

Frédéric Flamant [Institut de Génomique Fonctionnelle de Lyon, France]

15.00 Tea

15.30: **Measuring thyroid hormone metabolite profiles, what is the clinical value?**

Yolanda de Rijke [ErasmusMC, Rotterdam]

16.00: **LT4/LT3 Combination therapy for hypothyroidism (T3-4-Hypo trial)**

Marco Medici [ErasmusMC, Rotterdam]

16.30: **The type 2 deiodinase polymorphism: basic and translational implications**

Tony Bianco [University of Chicago, USA]

17:00 **Drinks and farewell**

REGISTRATION

By email: b.m.ensing@amsterdamumc.nl (Birgit Ensing)

Location:

Het Trippenhuus van de KNAW, Amsterdam

Organisation:

Dutch Thyroid Research Foundation (Stichting Schildklieronderzoek Nederland)

Board: Prof. dr. T Links, prof. dr. A. Boelen, dr. W.S. Simonides, prof. dr. R. Netea-Maier, dr. E. Visser and dr. E. Bruinstroop

Costs (including lunch and drinks):

Students: free

PhD students and fellows: € 25,-

Other participants: € 100,-

Please pay before the 25th of November, account NL02 ABNA 0469862025 with reference to Stichting Schildklieronderzoek Nederland, Rotterdam

Accreditation:

This symposium will be accredited by the Nederlandse Internisten Vereniging (NIV)