



NVTH Symposium – April 6-7, 2022
Golden Tulip Hotel Westduin – Koudekerke, Zeeland

Wednesday April 6th, 2022

- 11.30 – 12.30 Registration and Lunch
- 12.30 – 13.00 **Keynote Lecture I - How platelets interact with viruses**
Dr. Erhard van der Vries (Royal GD, Deventer)
Chair: Coen Maas
- 13.00 – 14.00 **Session I – Enzymes and inhibitors**
Chairs: Henri Versteeg & Tom Arfman
- Hinde El Otmani Targeted SERPIN (TaSER): A dual-action antithrombotic agent that targets platelets for SERPIN delivery
- Rowan Frunt A positively charged patch in the EGFI domain of Factor XII is critical for contact activation
- Viola Strijbis Modifications in the Thrombin Active Site S4 Subpocket Induce Resistance to Direct Thrombin Inhibitors
- Tim Postmus N-glycan-mediated shielding of ADAMTS13 effectively prevents binding of pathogenic autoantibodies in high-titer patients with immune-mediated TTP
- 14.00 – 14.10 **Poster Pitches I. Clinical research**
Chair: Marieke Kruip
- Chantal Visser The immediate effect of COVID-19 vaccination on anticoagulation control in adolescents and young adults using vitamin K antagonists.
- Huijie Wang Risk of long-term mortality in elderly patients with venous thrombosis
- Tine Goedhart Predictive performance of pharmacokinetic-guided prophylactic dosing of factor concentrates in hemophilia A and B (OPTI-CLOT TARGET study) – Preliminary results
- 14.10 – 14.30 Coagulation Quiz
- 14.30 – 15.00 Coffee/Tea break
- 15.00 – 15.30 **Keynote Lecture II - Patient care and clinical research in venous thrombosis, from competition to cooperation**
Dr. Saskia Kuipers (Admiraal de Ruyter Ziekenhuis, Goes)
Chair: Ton Lisman



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15.30 – 16.30

Session II – Venous thrombosis & large cohorts

Chairs: Suzanne Cannegieter & Joppe Drop

Mark Smeets	The risk of venous thromboembolism after minor surgical procedures: A population-based case-control study
Hanke Wiegers	Superficial venous thrombosis of the lower extremities during pregnancy and postpartum: a Danish population-based cohort study
Rayna Anijs	Venous and Arterial Thromboembolism after Incident Colorectal Cancer in the Netherlands: Incidence, Predictors, and Prognosis
Qingui Chen	Time trends in prognosis of pulmonary embolism in The Netherlands (2013-2018)

16.30 – 16.40

Poster Pitches II. Basic research

Chair: Henri Spronk

Lisa van Engelshoven	A novel chemiluminescent-based Thrombin Generation Assay for near-patient monitoring.
Anouk Gentier	Protein S Gla detects and attenuates early vascular calcification
Sophie Hordijk	Delayed CCL26 trafficking in the secretory pathway of STX5 depleted Endothelial Cells
Alice Todaro	In vitro rescue of a nonsense mutation responsible for severe coagulation factor V deficiency using ribosome readthrough agents
Jafar Vatandoost	Substitution of the Factor IX Activation Sites for Characterization of the Factor IX Activation Pathway and Partially Activated Intermediates
Judith de Vries	Increased percentage of extended A α chain fibrinogen (α E) in COVID-19 patients

16.40 – 17.40

Van Creveld Lecture

Peter Lenting (INSERM, France)

Chair: Mettine Bos

17.40 – 17.50

Presentation Results Quiz + NVTH Awards

17.50 – 18.45

Poster Session + Drinks, Snacks

19.00

Dinner and party at Kontiki (beach)



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Thursday April 7th, 2022

07.30 – 09.00 Breakfast

09.00 – 09.30 **Keynote Lecture III - Tricks of ticks for development of proteins in cardiovascular disease**
Dr. Ingrid Dijkgraaf (CARIM, Maastricht)
Chair: Kees van 't Veer

09.30 – 10.30 **Session III – Cells and genes**
Chair: Ruben Bierings & Alicia Veninga

Yvonne Jongejan
Sebastiaan Laan
Naoual Ouazzini Chahdi
Mariasosaria Miranda

Small interfering RNA-mediated allele-selective silencing of murine von Willebrand factor
Phenotypic heterogeneity within healthy donor endothelial colony forming cells explored by morphological analysis and RNA expression profiling
CRISPR-Based Knockout Red Blood Cells as Tools to Study Red Blood Cell Surface Protein Involvement in Thrombosis
Exploring red blood cells as a novel tolerogenic approach for factor VIII inhibitors employing immuno-dominant FVIII derived peptides presented on MHC class II

10.30 – 11.00 Coffee / Tea Break

11.00 – 12.00 **Session IV – Translational**
Chairs: Moniek de Maat & Minka Zivkovic

Aarazo Barakzie
Aaron Iding
Tom van de Berg
Valerie Jansen

Primary hemostasis, coagulation and fibrinolysis markers in patients with intracranial large vessel occlusion stroke, on admission to hospital
Identifying phenotypes of deep vein thrombosis and their relation to clinical outcomes beyond recurrence
Optimization of thrombin generation for hemophilia A
Gut microbiome composition and intestinal immunity in antiphospholipid syndrome patients versus healthy controls

12.00 – 13.00 Lunch

13.00 – 13.30 **NVTH Annual meeting**

13.30 – 14.00 **Keynote Lecture IV - Treatment and monitoring of trauma induced coagulopathy**
Prof. Dr. Nicole Juffermans (Amsterdam UMC)
Chair: Heleen van Ommen



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14.00 – 15.00

Session V – Venous thrombosis & hemophilia

Chairs: Astrid van Hylckama Vlieg & Louise Burggraaf

Eleonora Camilleri	Differences in coagulation parameters associated with glucocorticoid treatment in patients with a first venous thrombosis: data from the MEGA study
Danique Steeghs	Dose-effect analyses of FEIBA in low volume plasma samples of inhibitor patients using a newly defined chemiluminescent-based TGA.
Noori Guman	Polygenic risk scores as predictors for cancer-associated venous thromboembolism in the UK Biobank cohort
Lorenzo Romano	Desmopressin in hemophilia A carriers: determinants and duration of FVIII response

15.00 – 15.30

Presentation Jeanne Stibbe bokaal and closure