



20th Annual scientific meeting of the Nederlandse Vereniging voor Experimentele Dermatologie 31 January and 1 February 2019

Program

At the 20th annual scientific meeting of the NVED the ongoing scientific research in dermatology in the Netherlands will be presented.

Program Summary

Thursday 31 January 2019

- 09.30 - 10.15 Registration and welcome with coffee/tea
- 10.15 - 10.25 Opening by the chair of the NVED
- 10.25 - 11.50 Session I: Gene Mutation and Function
- 11.50 - 12:50 Lunch
- 12:50 - 13:30 Guest Lecture by **Prof. dr. Mihai Netea** (RUMC)
- 13.30 - 14.45 Session II: Clinical Studies
- 14.45 - 15.45 Poster and networking session I (with coffee/tea)
- 15.45 - 17:15 Session III: Immunology & Infection I
- 17.15 - 20.00 Drinks and Dinner
- 20.00 - 20.45 20th general assembly of the NVED
- 20:45 - 01.00 **20th Annual Meeting NVED Anniversary Party**

Friday 1 February 2019

- 09.00 - 10.00 Session IV: Dermato-Oncology and Epidemiology
- 10.00 - 11.00 Poster and networking session II (with coffee/tea)
- 11.00 - 11.40 Guest Lecture by **Prof. dr. Carien Niessen** (CECAD, Cologne)
- 11.40 - 12:50 Lunch
- 12:50 - 13.50 Session V: Skin Biology & Skin physiology and structure
- 13.50 - 14.30 Guest Lecture by **Prof. dr. Joost Schalkwijk** (RUMC)
- 14.30 - 14.40 Break (stretch your legs)
- 14.40 - 15.55 Session VI: Immunology and Infection
- 15:55 - 16:15 Awards; Announcement of Breaking News NVDV, Farewell

Thursday 31 January 2019

- 09.30 - 10.15 **Registration and welcome with coffee/tea**
- 10.15 - 10.25 **Opening by the chair of the NVED**
- 10.25 - 11.50 **Session I: Gene Mutation and function**
Session chairs: Walbert Bakker (AMC), Marieke Bolling (UMCG)
1. Frank van Leersum
MUMC The challenge of diagnosing genetic mosaicism in dermatology – (applying next generation sequencing techniques).
 2. Eirini Christodoulou
LUMC Identification and validation of NEK11 as a novel high penetrance melanoma susceptibility gene.
 3. Hanna Niehues
RUMC STAT1 gain-of-function compromises skin host defense in the context of interferon- γ signaling.
 4. Daniela Andrei
UMCG A novel desmosomal protein involved in woolly hair, palmoplantar keratoderma, mild skin fragility, and potentially cardiomyopathy.
 5. Mathilde Vermeer
UMCG Mechanical strain compromises desmosomal integrity in desmoplakin insufficient cardiac and cutaneous cells.
 6. Marieke Bolling
UMCG 30 years Epidermolysis Bullosa research in Groningen
- 11.50 - 12:50 **Lunch**
- 12.50 - 13.30 **Guest Lecture by Prof. dr. Mihai Netea (RUMC):**
Variation and adaptation in the human immune system”
- 13.30 - 14.45 **Session II: Clinical studies**
Session chairs: Juul van den Reek (RUMC), Nicole Kukutsch (LUMC)
7. Linde de Wijs
ErasmusMC Dupilumab in combination with systemic immunosuppressive agents: daily practice data.
 8. Minke van Mierlo
ErasmusMC The influence of treatment in alpine and moderate maritime climate on the composition of the skin microbiome in patients with difficult to treat atopic dermatitis.
 9. Rutger Melchers
LUMC Frequency of associated haematologic malignancies in lymphomatoid papulosis: a preliminary report of 501 patients from the Dutch Cutaneous Lymphoma Group.
 10. Mahdi Saghari
CHDR-Leiden Novel assessment methods to explore and characterize wound healing after skin punch biopsies in healthy volunteers.
 11. Sanne Uitentuis
VU/AMC The ultraviolet light camera, a promising measurement instrument for lesion assessment in vitiligo.

14.45 -

15.45 **Poster and networking session I (with coffee and tea)**

- P1. Elisabetta Michielon
VUMC/ACTA Development of an in vitro generated human melanoma model as a research platform for therapeutic testing.
- P2. Tessa Kouwenhoven
RUMC Use of systemic treatment in patients with chronic pruritus: a survey among dermatologists in the Netherlands.
- P3. Lieke van Delft
MUMC Single versus multiple level prospective sectioning for the subtyping of basal-cell carcinoma.
- P4. Sander Spiekstra
VUMC/ACTA Comparison of the skin sensitization potential of tattoo inks using interleukin-18 as a biomarker in a reconstructed human skin model.
- P5. Yuki Nakagawa
LUMC Cell adhesion molecule 1 (CADM1) can be a biomarker for leukemic cells in progressive or refractory Sézary syndrome.
- P6. Yannick Elshot
VU/AMC Diagnostic accuracy of handheld reflectance confocal microscopy in the presurgical mapping of lentigo maligna (melanoma): a retrospective pilot study.
- P7. Marcella Willemsen
VU/AMC In situ visualization of tissue-resident memory T cells to identify the prognostic relevance in human melanoma development.
- P8. Suzanne van Santen
LUMC Levels of IL-31 in different variants of cutaneous T cell lymphomas.
- P9. Lotte Spekhorst
UMCU Determinants of omalizumab drug survival in a long-term daily practice cohort of patients with Chronic Urticaria.
- P10. Mariëlle Vermeulen
VU/AMC TREATment of ATopic eczema (TREAT) Registry Taskforce: consensus on how and when to measure the core dataset for atopic eczema treatment research registries.
- P11. Melanie Rijsbergen
CHDR, Leiden A randomized controlled proof-of-pharmacology trial of omiganan in patients with external genital warts.
- P12. Melanie Rijsbergen
CHDR, Leiden Stereophotogrammetric 3D photography as a method for the clinical visualization and quantification of HPV-induced skin lesions.
- P13. Jart Oosterhaven
UMCG Validation of the Dutch Quality Of Life in Hand Eczema Questionnaire (QOLHEQ).
- P14. Joost Meijer
UMCG Prevalence of pruritus and pemphigoid in nursing home residents (SENIOR): a cross-sectional study of an under-recognized disease.
- P15. Finola Bruins
RUMC A greater improvement of quality of life in children and young adults with psoriasis is reached with higher PASI responses and systemic treatments.
- P16. Aniek Lamberts
UMCG Nonbullous pemphigoid: insights in clinical and diagnostic findings, treatment responses and prognosis.
- P17. Jade Logger
RUMC Anatomical site variation of water content in human skin measured by the Epsilon: a pilot study.
- P18. Sanne Uitentuis
Treatment and survival of Merkel cell

VU/AMC	carcinoma since 1993: a population-based cohort study in the Netherlands.
P19. Sanne Uitentuis VU/AMC	Merkel cell carcinoma, the impact of clinical excision margins and Mohs micrographic surgery on recurrence and survival: a systematic review.
P20. Jill de Wit ErasmusMC	Skin disorders are prominent features in primary immunodeficiency diseases: a systematic overview of current data.
P21. Mariëlle Vermeulen VU/AMC	The steps towards evidence based Option Grids for Psoriasis and Atopic Eczema.
P22. Gayle van der Kraaij VU/AMC	Optimizing adalimumab treatment in psoriasis with concomitant methotrexate: OPTIMAP study.
P23. Bram Doron van Rhijn UMCU	Disease and treatment characteristics in pemphigus and pemphigoid patients in a ten-year academic daily practice cohort.
P24. Selma Atalay RUMC	Results of the first randomized controlled trial on tight controlled dose reduction of biologicals compared with usual care in psoriasis patients: the CONDOR study.
P25. Darryl Tio VU/AMC	Prevalence of Cancer Testis Antigens on Lentigo Maligna and Lentigo Maligna Melanoma.
P26. Cynthia van Amerongen UMCG	New positive patch test reactions on D7 - the additional value of the D7 patch test reading.
P27. Mary-Ann el Sharouni UMCU	Clinicopathological gender differences in melanoma: need for tailored management and prevention strategies.
P28. Lisette Prens UMCG	Surgical outcomes of major surgery (STEEP) and the impact of major surgery on quality of life, activity impairment and sexual health in hidradenitis suppurativa patients: a prospective single centre study.
P29. Lisette Prens UMCG	The refined Hurley classification for hidradenitis suppurativa: an accurate and reliable instrument for physicians and patient self-assessment.
P30. Marloes van Muijen RUMC	Demographic and clinical factors associated with psoriatic arthritis in psoriasis patients treated with biologics.
P31. Hanan Rashid UMCG	Daily practice study of rituximab in pemphigus: a retrospective study of 65 patients.
P32. Lara van der Schoot RUMC	Treatment satisfaction with biologics for psoriasis: is there a difference between men and women?
P33. Daan Dittmar UMCG	Contact sensitization to hydroperoxides of limonene and linalool; results of consecutive patch testing and clinical relevance.
P34. Angelique Voorberg UMCG	Dupilumab in atopic hand eczema patients – an observational study.
P35. Eline Noels ErasmusMC	Rising reimbursed costs of benign and (pre) malignant skin tumors due to increasing incidence and introduction of pharmaceuticals in the Netherlands, 2007-2016.
P36. Wouter ten Voorde	Multimodal imaging of intradermal drug

<i>LUMC</i>	injection using hollow microneedles.
P37. Sven van Egmond <i>ErasmusMC</i>	Insight into the management of actinic keratosis: a qualitative interview study among general practitioners and dermatologists.
P38. Thomas Buters <i>CHDR Leiden</i>	Development of an LPS skin challenge model.
P39. Thomas Buters <i>CHDR Leiden</i>	Omiganan, a topical antimicrobial peptide, normalizes dysbiosis but does not improve atopic dermatitis clinically in a phase II randomized controlled trial.
P40. Lisa Pagan <i>CHDR Leiden</i>	Omiganan enhances the inflammatory response induced by imiquimod in a human skin challenge model.
P41. Nicholas Schröder <i>UMCG</i>	Combined THC and CBD to treat pain in epidermolysis bullosa: a report of three cases.
P42. Yéssica Rodríguez Rosales <i>RUMC</i>	Neutrophil subset examination reveals different phenotype and impaired function in psoriasis.
P43. Vamsi Yenamandra <i>UMCG</i>	Three decades of Epidermolysis Bullosa care in the Netherlands: Epidemiology, Diagnosis, Management and Translational Research experience from an European Expertise Center.

15.45 - 17.15 **Session III: Immunology & Infection**

Session chairs: Marjolein de Bruin-Weller (UMCU), Rosalie Luiten (AMC)

12. Christine Ardon <i>ErasmusMC</i>	The anti-inflammatory potency of biologics targeting TNF- α , IL-17A, IL-12/23 and CD20 in hidradenitis suppurativa: an ex vivo study.
13. Xiaofei Xu <i>ErasmusMC</i>	IL-10 regulates skin thickness and scaling in imiquimod-induced psoriasis-like skin inflammation in mice.
14. Thomas Ederveen <i>RUMC</i>	Cutaneous Staphylococcus profiling at species level in atopic dermatitis by Single Locus Sequence Typing (SLST) marker design and oligotyping for high-resolution sequencing-based microbial profiling.
15. Paulo Urbano <i>RUMC</i>	A Semi-Unsupervised Multivariate Algorithm for Profiling and Mining High-dimensional Flow Cytometry Data in psoriatic patients.
16. Mehran Alizadeh Aghdam <i>UMCU</i>	Fc ϵ RI-bearing leukocytes in response to omalizumab treatment in chronic spontaneous urticaria.
17. Judith Thijs <i>UMCU</i>	A combination of serum biomarkers TARC, IL-22, and sIL-2R accurately predicts disease severity in atopic dermatitis patients treated with cyclosporin A or dupilumab.

17.15 - 20.00 **Drinks and Dinner**

20.00 - 20.45 **20th general assembly of the NVED**

20.45 - 01.00 **20 Years NVED Anniversary Party**

Friday 1 February 2019

- 09.00 - 10.00 **Session IV: Dermato-Oncology and Epidemiology**
Session chairs: Elsemieke Plasmeijer (ErasmusMC), Remco van Doorn, (LUMC)
18. Safa Najidh
LUMC Standardized flow cytometry (EuroFlow) demonstrates different functional related phenotypes to Sézary syndrome cells.
19. Wim Zoutman
LUMC Overexpression of self-tolerance protein PD-1 is epigenetically regulated in Sézary syndrome.
20. Walbert Bakker
VU/AMC IFN γ and hypoxia co-stimulate PDL1 expression in melanoma cells, independent of HIF1.
21. Chen Hu
Erasmus MC Associations of early life environmental exposures and genetic risk factors with eczema phenotypes. The Generation R study.
- 10.00 - 11.00 **Poster and networking session II, including poster walk and presentation of selected posters (with coffee and tea)**
- 11.00 - 11.40 **Guest Lecture by Prof. dr. Carien Niessen (CECAD, Cologne):**
Adhesion and singling in formation, maintenance and breaking of the barrier?.
- 11.40 - 12.50 **Lunch**
- 12.50 - 13.50 **Session V: Skin Biology and Skin physiology and structure**
Session chairs: Abdoel el Ghalbzouri (LUMC) en Siamaque Kazem (VUMC)
22. Rajiv Raktoe
LUMC The effect of ALK5 inhibition on different fibroblast populations in hypertrophic scars.
23. Gijs Rikken
RUMC IL-4 and IL-13 discovered as direct keratinocyte mitogens – implications for epidermal hyperproliferation in psoriasis and atopic dermatitis.
24. Klazien Politeik
UMCG Decreased expression of keratin 9 and 14 in hyperkeratotic palmar hand eczema.
25. Irit Vahav
VUMC/ACTA Incorporation of hair follicles into reconstructed human skin.
- 13.50 - 14.30 **Guest Lecture by Prof. dr Joost Schalkwijk (RUMC):**
Terminal differentiation ;-)
- 14.30 - 14.40 **Break (stretch your legs)**
- 14.40 - 15.55 **Session VI: Immunology and Infection**
Session chairs: Abdoel el Ghalbzouri (LUMC) en Siamaque Kazem (VUMC)
26. Lieneke Ariens
UMCU First experience of dupilumab in atopic dermatitis patients treated in daily practice: 16-week evaluation of clinical effectiveness and serum biomarkers.
27. Daphne Bakker
Goblet cell scarcity and conjunctival

<i>UMCU</i>	inflammation during treatment with dupilumab in patients with atopic dermatitis.
28. Tiago Matos <i>VU/AMC</i>	Human central memory T cells generate superior numbers of resident memory T cells in skin.
29. Niels de Graaf <i>VU/AMC</i>	In vitro lymphocyte proliferation test (LPT) for nickel using CFSE and autologous serum.
30. Lin Shang <i>VUMC/ACTA</i>	Toll-like receptor signaling in oral mucosa exposed to commensal and pathogenic biofilms in vitro.

15.55 - 16.00 **Awards for best presentation and poster; selection breaking news**

16.00 **Closure**

Meeting Location:

Congress hotel 'De Werelt'
Westhofflaan 2
6741 KH Lunteren
Tel: 0318-484641

Accreditation:

The NVDV has awarded 11 points for full participation in this scientific meeting last year; accreditation for 2019 is applied for.

Program committee:

Nelleke Gruis (*LUMC*), Michel van Geel (*MUMC*), Patrick Zeeuwen (*RUMC*), Siamaque Kazem (*VUMC*), Gilles Diercks (*UMCG*), Loes Hollestein (*ErasmusMC*), Walbert Bakker (*AMC*), Jorien van der Schaft (*UMCU*)

Jury for presentation prize:

Nelleke Gruis (*LUMC*), Gilles Diercks (*UMCG*), Loes Hollestein (*ErasmusMC*)

Jury for poster prize:

Antoni Gostynski (*MUMC*), Tiago Matos (*VU/AMC*), Jos Smits (*RUMC*)

NVED board:

DirkJan Hijnen (president, *ErasmusMC*), Marcel Bekkenk (secretary, *Amsterdam UMC*), Marjon Pasmooij (treasurer, *UMCG*), Kees Tensen (representative in Federa, *LUMC*), Sue Gibbs (representative in NVDV 'commissie nascholing', *Amsterdam UMC/ACTA*)