

Activiteiten Prof. Dr. E. Middelkoop

De focus van de onderzoeksactiviteiten van Speerpunt 'Huidregeneratie en Wondgenezing' ligt op het verder ontwikkelen en klinisch toepassen van 'Huidvervangende materialen', met speciale aandacht voor het toepassen van autologe cellen in deze materialen.

Hiertoe wordt gewerkt aan de volgende projecten:

1. Skin Tissue Engineering and Regenerative Medicine: From skin repair to regeneration (SkinTERM)
Horizon2020 955722, Marie Curie project, waarin nieuwe biomaterialen voor huidregeneratie worden ontwikkeld en wordt onderzocht hoe zo goed mogelijk foetale regeneratie kan worden bereikt.
2. Application of hair follicles/hair follicle stem cells for skin constructs (HARESCON)
Health-Holland- NBS project number: 21.01: dit project richt zich op de ontwikkelen van haarfollikels en zweetklieren in huidconstructen. Deze technieken worden in het laboratorium onderzocht.
3. Development and implementation of a tissue-engineered autologous skin construct 22.110, funding door stichting Reggeborgh via de Nederlandse Brandwonden Stichting. Doel van dit project is gekweekte huidsubstituten te ontwikkelen voor klinische toepassing, met behoud van pigmentcellen en een zo kort mogelijke kweektijd. Dit project is gestart in 2023 en heeft een looptijd van 5 jaar.
4. Study with an autologous dermo-epidermal skin substitute for the treatment of full-thickness skin defects in adults and children (DenovoSkin)
EHSG Clinical Trials: 2006344 / 279024 (Sponsor: Cutiss AG, Zurich, Zwitserland)
Klinische toepassing van gekweekte autologe huid bij patienten met brandwonden en reconstructies na brandwonden of trauma. In dit fase 2 onderzoek is gekweekte huid toegepast in AUMC en RKZ. Momenteel worden nog follow up metingen uitgevoerd, en wordt een fase 3 studie voorbereid. Verwachting is dat deze in 2024 van start zal gaan.

Activiteiten Prof. P.P.M. van Zijlen

Eén van de speerpunten van het onderzoek van Prof. Van Zijlen is het gebruik van mathematic modeling om klinische uitkomstmaten te kunnen gaan voorspellen. Real-world data worden hiertoe uit de klinische praktijk en uit diverse eerder uitgevoerde onderzoeken samengebracht en in mathematische complexe modellen ingevoerd.

Daarnaast is een belangrijk onderzoeksprogramma gericht op waarde-gedreven zorg, waarin zorg, opleiding en onderzoek worden gecombineerd.

Binnen deze programma's wordt gewerkt aan de volgende projecten:

1. Unravelling the inflammatory response and the influence of Alkaline Phosphatase in severe burn patients by mathematical modelling
Health-Holland: LSHM18069, NBS: 18.01
2. Optimizing the skin grafting procedure: micrografts versus meshed skin grafts (MEEK-MESH)
FWO T000319N
3. The Necrotizing Soft Tissue Infections Knowledge project, Phase 2 NBS: 22.111
4. The missing link in burn wound care; from bench to bedside and back NBS:22.112
5. Modeling and prediction of burn injuries: an interdisciplinary research approach (COMBI)
Health-Holland- NBS project number: 22.113
6. National Specialised Burn Care, Education & Research ZonMw 10070022010003

Part 1 Optimizing person-centred acute burn care through shared decision making to meet patient's preferences and goals
Part 2 Optimizing burn care by person-centred treatment strategies for tissue engineered skin constructs; applying shared decision making to meet patient's goals and preferences
Part 3 Optimizing aftercare for burn survivors through a blended person-centred aftercare program, directed at patients' self-management
Overarching project "Development of Value Based Healthcare & Cost-effectiveness"

Publicaties 2023 E. Middelkoop en P.P.M. van Zuijlen

	Impact factor 2021	Impact factor 2022
<p>Carrière ME, Mokkink LB, Tyack Z, Westerman MJ, Pijpe A, Pleat J, Van de Kar AL, Brown J, De Vet HCW, Van Zuijlen PPM <i>Development of the Patient Scale of the Patient and Observer Scar Assessment Scale (POSAS) 3.0: a qualitative study</i> Quality of Life Research February 2023; 32(2): 583-592 NBS project number: 16.106</p>	3.440	3.5
<p>Carrière ME, Tyack Z, Westerman MJ, Pleat J, Pijpe A, Van Zuijlen PPM, De Vet HCW, Mokkink LB <i>From qualitative data to a measurement instrument: A clarification and elaboration of choices made in the development of the Patient Scale of the Patient and Observer Scar Assessment Scale (POSAS) 3.0</i> Burns November 2023; 49(7): 1541-1556 NBS project number: 16.106</p>	2.609	2,7
<p>Cuijpers MD, Van de Sande PJH, Cords CI, Scholten-Jaegers SMHJ, Van Zuijlen PPM, Baartmans MGA, Pijpe A <i>The effect of burns on children's growth trajectory: A nationwide cohort study</i> Journal of Burn Care & Research September/October 2023; 44(5): 1083-1091 NBS project number: 18.102</p>	1.819	1.4
<p>Cuijpers MD, Baartmans MGA, Van Zuijlen PPM, Ket JCF, Pijpe A <i>Children's growth and motor development following a severe burn: a systematic review</i> Burns & Trauma 2023; 11: tkad011 NBS project number: 18.102</p>	5.711	5.3
<p>Doomen MCHA, Rijpma DD, Pijpe A, Meij-de Vries A, Niessen FB, Karaoglu S, De Vet HCW, Gevers T, Van Zuijlen PPM <i>A clinimetric assessment of the validity and reliability of 3D technology for scar surface area measurement</i> Burns May 2023; 49(3): 583-594</p>	2.609	2.7

NBS project number: 16.02		
Egberts G , Desmoulière A, Vermolen FJ, Van Zuijlen PPM <i>Sensitivity of a two-dimensional biomorphoelastic model for post-burn contraction</i> Biomechanics and Modeling in Mechanobiology 2023; 22(1): 105-121 NBS project number: 17.105	3.623	3.5
Egberts G , Vermolen FJ, Van Zuijlen PPM <i>High-speed predictions of post-burn contraction using a neural network trained on 2D-finite element simulations</i> Frontiers in Applied Mathematics and Statistics 2023; 9: 10.3389 NBS project number: 17.105		1.4
Egberts G , Vermolen FJ, Van Zuijlen PPM <i>Stability of a two-dimensional biomorphoelastic model for post-burn contraction</i> Journal of Mathematical Biology 2023; 86(4): 59 NBS project number: 17.105	2.164	1.9
Gardien KLM , Pijpe A, Brouwer KM, Stoop MM, Singh SK, Timmermans FWS, Vlig M, Van Zuijlen PPM, Middelkoop E <i>Short- and long-term outcomes of an acellular dermal substitute versus standard of care in burns and reconstructions: A phase I/II inpatient randomized controlled trial</i> Advances in Skin & Wound Care 2023; 36(10): 540-548 EuroSkinGraft project number: 279024	2.373	2.4
Jeschke MG , Wood FM, Middelkoop E, Bayat A, Teot L, Ogawa R, Gauglitz GG <i>Scars</i> Nature Reviews Disease Primers 2023; 9: 64	65.038	81.5
Korkmaz HI , Flokstra G, Waasdorp M, Pijpe A, Papendorp SG, De Jong E, Rustemeyer T, Gibbs S, Van Zuijlen PPM <i>The complexity of the post-burn immune response: An overview of the associated local and systemic complications</i> Cells 2023; 12(3): 345 NBS project number: 19.105	7.666	6.0
Mulder PPG , Raktoe RS, Vlig M, Elgersma A, Middelkoop E, Boekema BKHL <i>Full skin equivalent models for simulation of burn wound healing exploring skin regeneration and cytokine response</i> Journal of Functional Biomaterials January 2023; 14(1): 29 NBS project number: 17.108 Health~Holland: LSHM 16052-HSGF-003HAAR	4.901	4.8

<p>Mulder PPG, Vlig M, Elgersma A, Rozemeijer L, Mastenbroek LS, Middelkoop E, Joosten I, Koenen HJPM, Boekema BKHL <i>Monocytes and T cells incorporated in full skin equivalents to study innate or adaptive immune reactions after burn injury</i> Frontiers in Immunology 2023; 14: 1264716 NBS project number: 17.108 & 22.106</p>	8.787	7.3
<p>Raktoe RS, Kwee AKAL, Rietveld M, Marsidi N, Genders R, Quint K, Van Doorn R, Van Zuijlen PPM, Ghalbzouri AEL <i>Mimicking fat grafting of fibrotic scars using 3D-organotypic skin cultures</i> Experimental Dermatology October 2023; 32 (10): 1752-1762 NBS project number: 14.105</p>	4.511	3.6
<p>Rijpma DD, Pijpe A, Claes KEY, Hoeksema H, De Decker I, Verbelen J, Van Zuijlen PPM, Monstrey S, Meij-de Vries A <i>Outcomes of Meek micrografting versus mesh grafting on deep dermal and full thickness (burn)wounds: Study protocol for an intra-patient randomized controlled trial</i> PLOS ONE 2023; 18(2): e0281347 FWO project number: T000319N</p>	3.752	3.7
<p>Schouten HJ, Nieuwenhuis MK, Van der Schans CP, Niemeijer AS, Van Zuijlen PPM <i>Considerations in determining the severity of burn scar contractures with focus on the knee joint</i> Journal of Burn Care & Research July/August 2023; 44(4): 810-816</p>	1.819	1.4
<p>Suijker J, Fockema-Wurfbain L, Emmen AMLH, Pijpe A, Kwa KAA, Van der Vlies CH, Nieuwenhuis MK, Van Zuijlen PPM, Meij-de Vries A <i>The role of burn centres in the treatment of necrotizing soft-tissue infections: a nationwide Dutch Study</i> Journal of Burn Care & Research November/December 2023; 44(6): 1405-1412 NBS project number: 17.109</p>	1.819	1.4
<p>Van Gelder ZJ, Snoeks A, Van Zuijlen PPM, De Vries R, Pijpe A <i>Complications during pregnancy after abdominal burn scars: A review</i> European Burn Journal March 2023; 4(1): 35-54</p>		
<p>Van Haasterecht L, Dsouza C, Ma Y, Korkmaz HI, De Jong Y, Ket JCF, Van Zuijlen PPM, Groot ML, Komarova SV <i>In vitro responses of human dermal fibroblasts to mechanical strain: A systematic review and meta-analysis</i> Frontiers in Mechanical Engineering 2023; 9: 1049659 NBS project number: 16.01</p>		2.3

<p>Van Haasterecht L, Zhou M, Ma Y, Bartolini L, Van Mourik F, Van Zuijlen PPM, Groot ML <i>Visualizing dynamic three-dimensional changes of human reticular dermal collagen under mechanical strain</i> Biomedical Physics & Engineering Express 2023; 9(3): 19.1088/2057-1976/accc8e NBS project number: 16.01</p>		1.4
<p>Yin Q, Niessen FB, Gibbs S, Lapid O, Louter JMI, Van Zuijlen PPM, Wolkerstorfer A <i>Intralesional corticosteroid administration in the treatment of keloids: a survey among Dutch dermatologists and plastic surgeons</i> Journal of Dermatological Treatment 2023; 34(1): 2159308</p>	3.230	2.9

Theses 2023

<p>Egberts G <u>September 18</u> In silico exploration of post-burn contraction using uncertainty quantification Leiden University Promotor Van Zuijlen PPM</p>
<p>Timmermans FWS <u>March 9</u> Masculinizing chest surgery – Challenges and improvements VU University Amsterdam Promotor Middelkoop E</p>
<p>Van Haasterecht L <u>November 13</u> Innovative optical techniques for fibrotic processes: towards clinical application VU University Amsterdam Promotor Van Zuijlen PPM</p>

Output 2023

Middelkoop E

Invited presentations

- February 8-9
De biologie van wondgenezing
Nederlandse Wond Expertise Meeting, Tilburg & Nijkerk
- February 24
Skin substitutes: the role of cells
Scars A-Z Conference International Society for Burn Injuries, Birmingham, UK
- May 22
Burns and scars: Relation between cell biology and scar management

Lorentz Center Workshop "Wound care technologies from multidisciplinary science to clinical practice", Leiden

- July 12
Tissue engineering for burn research
Utrecht Summer School Course "Regenerative Medicine 2023", Utrecht
- July 17
Scar pathophysiology
8th Asia Pacific Burn Association Symposium "Burn Scars", online
- September 7
Different types of cell therapy
20th European Burns Association Congress & 42^e Congrès Société Francophone de Brûlologie, Nantes, France
- September 7
DenovoSkin™ – present and future in burns and reconstructive surgery
Sponsored Symposium Cutiss Swiss 20th European Burns Association Congress & 42^e Congrès Société Francophone de Brûlologie, Nantes, France
- September 30
Artificial skin in scar revision
9th SCAR Club Meeting, Montpellier, France
- October 21
 - Histology and physiopathology
 - Tissue engineering*Scar Academy, Antwerp, Belgium, online*
- November 19
Cell therapies, dermal substitutes & tissue engineering in the field of scar management
SCARS 2023 Meeting, Berlin, Germany

Congresses/meetings

- 2023
Research meetings Association of Dutch Burn Centres
Association of Dutch Burn Centres/online
- 2023
Burn Care Club Red Cross Hospital
Red Cross Hospital/online
- January 20
Innovation Camp Advisory Board – a MedSkin Solutions BarCamp
NMY Spaces, Frankfurt, Germany
- February 8-9
Nederlandse Wond Expertise Meeting
Van der Valk Hotel Tilburg & Hotel Golden Tulip Ampt van Nijkerk
- February 23-24
Scars A-Z Conference International Society for Burn Injuries
International Conference Centre Birmingham, Birmingham, UK
- March 9
Public thesis defence Timmermans FWS "Masculizing chest surgery – Challenges and improvements"
VU University, Amsterdam
- March 31
Science day burns research 2023 Dutch Burns Foundation
Bergkerk, Amersfoort

- May 22-26
Lorentz Center Workshop "Wound care technologies from multidisciplinary science to clinical practice"
Lorentz Center@Oort, Leiden
- June 27
Scientific meeting "Nutrition and metabolism" Association of Dutch Burn Centres
Dorpshuis De Moriaan, Wijk aan Zee
- July 12
Utrecht Summer Schoiol Course "Regenerative Medicine 2023"
University Medical Center Utrecht, Utrecht
- July 17
8th Asia Pacific Burn Association Symposium "Burn Scars"
Online
- September 6-9
20th European Burns Association Congress & 42^e Congrès Société Francophone de Brûlologie
La Cité Nantes Congress Centre, Nantes, France
- September 18
Public thesis defence Egberts G "In silico exploration of post-burn contraction using uncertainty quantification"
Leiden University, Leiden
- September 29-30
9th SCAR Club Meeting
Faculty of Medicine, Montpellier, France
- November 13
Public thesis defence Van Haasterecht L "Innovative optical techniques for fibrotic Processes: towards clinical application"
VU University, Amsterdam
- November 17-19
SCARS 2023 Meeting
Hotel Titanic Chaussee Berlin, Berlin, Germany
- December 11
Public thesis defence Mulder PPG "Immune response to burn injury: From animal and patient data towards *in vitro* modeling"
Radboud University, Nijmegen

Promotor

- March 9
Thesis Timmermans FWS
Masculizing chest surgery – Challenges and improvements
VU University, Amsterdam

Member Reading and/or Opposition Committee

- June 23
Thesis Narayan VS
Shedding light on vitiligo: Clinical, immunological and patients' perspectives
University of Amsterdam, Amsterdam
- September 18
Thesis Egberts G
In silico exploration of post-burn contraction using uncertainty quantification

Leiden University, Leiden

□ November 13

Thesis Van Haasterecht L

Innovative optical techniques for fibrotic processes: towards clinical application

VU University, Amsterdam

□ December 11

Thesis Mulder PPG

Immune response to burn injury: From animal and patient data towards in vitro modeling

Radboud University, Nijmegen

Courses/training

□ June 27

Workshop FAIR data, datamanagement

Association of Dutch Burn Centres & Dutch Burns Foundation, Beverwijk

Reviewer

- Advances in Skin & Wound Care
- International Wound Journal
- Scientific Reports
- Wound Repair & Regeneration

Memberships

- Nederlandse Vereniging voor Brandwondenzorg (NVBZ)
- European Tissue Repair Society (ETRS)(past board member en president)
- European Burns Association (EBA)
- Amsterdam Movement Sciences (AMS)
- Global Scar Society (G-ScarS)(board member/vice-treasurer)

Other Activities

- Professor Skin Regeneration and Wound Healing Amsterdam UMC
- Lecturer Scar Academy
- Scientific Board Scar Academy
- Board of Directors Global Scar Society (G-ScarS)
- Advisory Board Member MedSkin Solutions Dr. Suwelack AG
- Burns Advisory Panel Scar Free Foundation Burns Research Network
- Dutch Burn Repository Group R3
- Editorial board Wound Repair & Regeneration
- Burn Academy Brandwondenzorg Nederland
- Steering committee project Optimizing top specialized burn care in the Netherlands
- Faculty member SCARS 2023 Meeting
- Moderator Session "Advances in skin substitutes" & Session "Scar assessments and measurements: objective and subjective" Scars A-Z Conference International Society for Burn Injuries

Van Zuijlen PPM

Invited presentations

□ February 24

POSAS 3.0

Scars A-Z Conference International Society for Burn Injuries, Birmingham, UK

□ March 29

Treatment of burnwound contracture with perforator flaps

Stichting Interplast Holland & Plastic Surgical team Kampala "Goes digital" live Webinar,

online

- May 23
Building a scar model
Lorentz Center Workshop "Wound care technologies from multidisciplinary science to clinical practice", Leiden
- May 26
A complexity science perspective on healthcare and research
Lorentz Center Workshop "Wound care technologies from multidisciplinary science to clinical practice", Leiden
- July 17
Scar assessment
8th Asia Pacific Burn Association Symposium "Burn Scars", online
- September 6
We are all standing on the shoulders of giants – History of burns: Rudy Hermans
20th European Burns Association Congress & 42^e Congrès Société Francophone de Brûlologie, Nantes, France
- September 7
Coffee with the expert: Is this scar scary?
20th European Burns Association Congress & 42^e Congrès Société Francophone de Brûlologie, Nantes, France
- September 29
Perforator flaps
9th SCAR Club Meeting, Montpellier, France
- September 29
POSAS 3.0
9th SCAR Club Meeting, Montpellier, France

Presentations

- November 10
Ontwikkeling van de Patient and Observer Scar Assessment Scale (POSAS 3.0)
Najaarsvergadering Nederlandse Vereniging voor Brandwondenzorg "Nazorg", Antwerp, Belgium

Video lecture

- November 19
Scar severity and quality of life outcome measurements in patients with burns. The development of POSAS 3.0
SCARS 2023 Meeting, Berlin, Germany

Congresses/meetings

- 2023
Research meetings Association of Dutch Burn Centres
Association of Dutch Burn Centres/online
- 2023
Burn Care Club Red Cross Hospital
Red Cross Hospital/online
- 2023
Periodical meetings Stichting Interplast Holland & Plastic Surgical team Kampala, Uganda
Online
- February 23-24
Scars A-Z Conference International Society for Burn Injuries
International Conference Centre Birmingham, Birmingham, UK
- March 9
Public thesis defence Timmermans FWS "Masculizing chest surgery – Challenges and improvements"
VU University, Amsterdam

- March 24
Inaugural lecture prof. Bouman MB "Hier wordt wat groots verricht"
VU University, Amsterdam
- April 14
Voorjaarsvergadering Nederlandse Vereniging voor Brandwondenzorg
"Brandwondenzorg bij kinderen" *Maasstad Hospital, Rotterdam*
- April 14
Paula Burgers Prijs
Maasstad Hospital, Rotterdam
- May 22-26
Lorentz Center Workshop "Wound care technologies from multidisciplinary science to clinical practice"
Lorentz Center@Oort, Leiden
- June 7
Public thesis defence Van Yperen DT "Burns and fireworks injuries – Organization and societal effects in the Netherlands"
Erasmus University, Rotterdam
- June 9
TZO Consortiumdag
Maasstad Hospital, Rotterdam
- June 16
Inaugural lecture prof. Cense HA "Health system innovation: Kun je opereren op de maan?"
University of Groningen, Groningen
- July 17
8th Asia Pacific Burn Association Symposium "Burn Scars"
Online
- September 6-9
20th European Burns Association Congress & 42^e Congrès Société Francophone de Brûlologie
La Cité Nantes Congress Centre, Nantes, France
- September 18
Public thesis defence Egberts G "In silico exploration of post-burn contraction using uncertainty quantification"
Leiden University, Leiden
- September 21
Online symposium Martini Hospital, UMCG, Maasstad Hospital, Erasmus MC, Amsterdam UMC & Red Cross Hospital "Onze kinder-IC-patiënten met (brand)wonden van het afgelopen jaar: interactieve multidisciplinaire patiëntenbespreking, inclusief de lessen uit Nantes EBA congres"
Online
- September 29-30
9th SCAR Club Meeting
Faculty of Medicine, Montpellier, France
- November 1
Asia Pacific Burn Association Webinar "Pediatric Burns"
Online
- November 7
TZO Consortiumdag
Dutch Burns Association, Beverwijk
- November 10
Najaarsvergadering Nederlandse Vereniging voor Brandwondenzorg "Nazorg"
CEPA-gebouw, Antwerp, Belgium
- November 13
Public thesis defence Van Haasterecht L "Innovative optical techniques for fibrotic Processes: towards clinical application"
VU University, Amsterdam

- December 11
Public thesis defence Mulder PPG "Immune response to burn injury: From animal and patient data towards *in vitro* modeling"
Radboud University, Nijmegen

Promotor

- September 18
Thesis Egberts G
In silico exploration of post-burn contraction using uncertainty quantification
Leiden University, Leiden
- November 13
Thesis Van Haasterecht L
Innovative optical techniques for fibrotic processes: towards clinical application
VU University, Amsterdam

Member Reading and/or Opposition Committee

- March 9
Thesis Timmermans FWS
Masculizing chest surgery – Challenges and improvements
VU University, Amsterdam
- June 7
Thesis Van Yperen DT
Burns and fireworks injuries – Organization and societal effects in the Netherlands
Erasmus University, Rotterdam
- December 11
Thesis Mulder PPG
*Immune response to burn injury: From animal and patient data towards *in vitro* modeling*
Radboud University, Nijmegen

Lecturer/instructor

- Emergency Management of Severe Burns (national & international)
- "Littekentherapie" Scar Academy
- Opleiding Brandwonden Verpleegkunde
- September 15
Schade, afweer en herstel: Klinisch redeneren "Littekens"
Medical Science Amsterdam UMC, location VUmc
- September 15
 - Huid en afweer: patiënt met brandwonden
 - Huid en afweer: wondherstel*Medical Science, Amsterdam UMC, location VUmc*

Courses/training

- January 16
eBROK recertification
Nederlandse Federatie van Universitair Medische Centra, online

Reviewer

- Burns
- Burns & Trauma (editorial board)
- European Journal of Plastic Surgery (editorial board)
- Plastic and Reconstructive Surgery

Memberships

- Nederlandse Vereniging voor Brandwondenzorg (NVBZ)(chairman since 2018)
- European Burns Association (EBA)(executive board member)
- Nederlandse Vereniging voor Plastische Chirurgie (NVPC)

- International Society for Burn Injuries (IBSI)
- Amsterdam Movement Sciences (AMS)

Other activities

- Professor Burns Medicine Amsterdam UMC
 - Medical Director, Chairman kernteam, member kwaliteitsteam Burn Centre Red Cross Hospital
- Supervisory Board Heliomare committee Kwaliteit en Veiligheid
- Principal investigator dept. Pediatric Surgery Amsterdam UMC, location AMC
- Scientific Board Scar Academy
- Study group Brandwonden Revalidatie Nederland (WBR)
- Advisory Board Member MedSkin Solutions Dr. Suwelack AG
- Expert advieskamer biovigilantie Transfusie en Transplantatie Reacties in Patiënten (TRIP)
- Wound committee Red Cross Hospital
- Chairman Nederlandse Vereniging voor Brandwondenzorg
- Member Research Committee European Burns Association
- Begeleidingscommissie national & onderwijscommissie international Emergency of Severe Burns
- Working group Burn centre innovation Red Cross Hospital
- Department A5 representative Red Cross Hospital
- Manifest Red Cross Hospital "Burn care"
- Chairman dagelijkse leiding Alliantie Brandwondenzorg Nederland
- Advisory board Stichting Interplast Holland
 - Advisory committee FWO TBM application "Post-surgical hypertrophic scar prevention with tension reducing taping, University of Antwerp and Oscare
 - Moderator Session "Prevention and management of scarring by early rehabilitation and therapy techniques" & Session "Pain, itch and physical sequelae of scarring" Scars A-Z Conference International Society for Burn Injuries
 - Scientific organizing committee Lorentz Center Workshop "Wound care technologies from multidisciplinary science to clinical practice"
- Scientific & organizing committee 20th European Burns Association Congress & 42^e Congrès Société Francophone de Brûlologie
- Moderator Session "Wounds + Geriatrics" & Session "Resilience: what are the key factors?" & Session "Formula One Grand-Prix of Burn After Care" 20th European Burns Association Congress & 42^e Congrès Société Francophone de Brûlologie
- Chair Paula Burgers Prijs 2023
- Faculty member SCARS 2023 Meeting
- Organizing committee & host Asia Pacific Burn Association Webinar "Pediatric Burns"