



Máxima **butterfly.**

Autumn School 2023

30 Oct. – 02 Nov.

Programme overview

Monday 30 October *(open to all Máxima PhD students and supervisors)*

Introduction & Butterfly Pillars 1, 2 & 4

Location: Princess Máxima Auditorium

08:15 – 09:00 Registration with tea/coffee
Butterfly candidates erect posters in the foyer or hallway

09:00 – 09:15 Opening comments – **Prof. Dr. Marcel Kool (Butterfly coordinator)**

Introduction Session

Chair: Prof. Dr. Marcel Kool

09:15 – 10:00 Mission & Vision of the Princess Máxima Center – **Prof. Dr. Rob Pieters & Gita Gallé (Princess Máxima board of directors)**

10:00 – 10:30 (Butterfly) PhD at the MAX(ima) - **Prof. Dr. Leendert Looijenga** (25 mins + 5 mins Q&A)

10:30 – 10:50 Introduction to the butterfly project – **Dr. Martina O’Flaherty** (15 mins + 5 mins Q & A)

10:50 – 11:20 **Coffee break and posters**

11:20 – 11:25 **Introduction to Pillar 1 – Brain Tumors**

Chair: Dr. Jens Bunt

11:25 – 11:50 Pediatric Neuro-oncology in the Máxima: challenges and goals – **Prof. Dr. Marcel Kool** (20 mins + 5 mins Q&A)

11:50 – 12:10 **Flash talks - Brain Tumors**

11:50 – 11:55 Human organoids for cancer modelling – **Dr. Benedetta Artegiani**

11:55 – 12:00 Translational brain tumor research – **Dr. Esther Hulleman**

12:00 – 12:05 Challenges in Childhood Craniopharyngioma – **Dr. Hanneke van Santen**

12:05 – 12:10 Lighting fire to immune-cold brain tumors using advanced drug delivery strategies – **Dr. Dannis van Vuurden**

12:10 – 12:25 **Q&A**

12:25 – 12:40 *Kick-off group photo all attendees*

Kick-off group photo Butterflies & group supervisors

12:40 – 13:40 **Lunch and posters**

13:40 – 13:45	Introduction to Pillar 2 - Haematology Malignancies <i>Chair: Dr. Judith Boer</i>
13:45 – 14:10	Hemato-Oncology in the Máxima: from bed to bench – and back – Prof. Dr. Monique den Boer (20 mins + 5 mins Q&A)
14:10 – 14:30	Flash talks - Haematology Malignancies
14:10 – 14:15	Mapping the architecture of the bone marrow microenvironment in RAS mutant acute lymphoblastic leukemia – Prof. Dr. Josef Vormoor
14:15 – 14:20	Therapeutic drug monitoring and developing new therapies for acute lymphoblastic leukemia based upon genetic abnormalities and immunotherapeutic targets – Dr. Inge van der Sluis
14:20 – 14:25	Targeting metabolic vulnerabilities in Acute Lymphoblastic Leukemia – Dr. Frank van Leeuwen
14:25 – 14:30	A life without blood: Single cell analysis of pediatric myelodysplastic syndrome to uncover therapeutic targets– Dr. Mirjam Belderbos
14:30 – 14:45	Q&A
14:45 – 15:15	Coffee break
15:15 – 15:20	Introduction to Pillar 4 - Quality of Life <i>Chair: Aeltsje Brinksma</i>
15:20 – 15:45	Quality of Life as a mission in the Máxima: – Prof. Dr. Martha Grootenhuis (20 mins + 5 mins Q&A)
15:45 – 16:10	Flash talks – Quality of Life
15:45 – 15:50	Evidence-based care and effective communication in pediatric oncology - Dr. Sasja Schepers
15:50 – 15:55	Neuropsychological consequences of cancer treatment– Dr. Marita Partanen
15:55 – 16:00	Cancer treatment-related Ototoxicity, clinical and genetic horizons – Marry Den Heuvel-Eibrink
16:00 – 16:05	Genetic predisposition – Prof. Dr. Roland Kuiper
16:05 – 16:10	Genome Instability and Nutrition: Implications and opportunities for QoL– Dr. Wilbert Vermeij
16:10 – 16:25	Q&A
16:25 – 16:30	End of day – Prof. Dr. Marcel Kool
16:30 – 18:00	Drinks
17:00 – 17:45	Tour of the Princess Máxima for Butterfly students

Tuesday, 31 October

(open to all Máxima PhD students and supervisors, afternoon session for Butterfly students only)

Butterfly Pillars 3 & 5

Location – Princess Máxima Auditorium

09:00 – 09:30 Registration with tea/coffee

Welcome & Introduction

09:30 – 9:35 *Chair: Prof. Dr. Marcel Kool*

Introduction to Pillar 3 – Solid Tumors

09:35 – 09:40 *Chair: Dr. Zeinab van Gestel-Fadaie*

09:40 – 10:10 TITLE – **Prof. Dr. Jan Molenaar (25 mins + 5 mins Q&A)**

10:10 – 10:40 **Flash talks – Solid Tumors**

10:10 – 10:15 Molecular dissection of childhood solid tumors – **Dr. Jarno Drost**

10:15 – 10:25 Germ cell tumors and fertility – **Prof. Dr. Leendert Looijenga**

10:25 – 10:30 Kidney tumors in children – **Prof. Dr. Marry van den Heuvel-Eibrink**

10:30 – 10:35 Theranostics in pediatric oncology – **Prof. Dr. Max van Noesel**

10:35 – 10:40 Improving therapeutic strategies for neuroblastoma – **Dr. Marlinde van den Boogaard**

10:40 – 10:55 **Q&A**

10:55 – 11:25 **Coffee break**

Introduction to Pillar 5 – New Technologies

11:25 – 11:30 *Chair: Dr. Jayne Hehir-Kwa*

11:30 – 12:00 Modeling cancer in organoids – **Dr. Marc van de Wetering (25 mins + 5 mins Q&A)**

12:00 – 12:15 **Flash talks – New Technologies**

12:00 – 12:05 Understanding the mutational landscape of pediatric cancers and its relationship to tumor biology for improved patient care – **Dr. Patrick Kemmeren**

12:05 – 12:10 Tracing the origin of cancer by single-cell whole genome sequencing – **Dr. Ruben van Bostel**

12:10 – 12:15 Ribosome profiling to explore the non-canonical proteome – **Dr. Sebastiaan van Heesch**

12:15– 12:30 **Q&A**

Industrial presentation

12:30 – 12:35 *Introduction - Prof. Dr. Marcel Kool*

12:35 – 13:15 Organoids and Ex Vivo Patient Tissues: Moving Oncology Models Closer to the Clinic
Dr. Marrit Putker, Director in vitro & RnD, Crown Bioscience (Utrecht) (30min talk & 10 min Q&A)

13:15 – 13:20 End of programme (for non-Butterfly participants) – Prof. Dr. Marcel Kool

13:20 – 14:15 Posters and lunch
Butterfly students register for the afternoon session

Afternoon Session for Butterfly students & management team

14:15 – 14:20 Welcome & Introduction – Prof. Dr. Marcel Kool

14:20 – 14:50 Interview parent (Jaap van Hartogh interviewer)

14:50 – 15:10 Trial studies & parent involvement – **Rebecca van Kalsbeek**

15:10 – 15:30 Association Children's Cancer Netherlands – **Jaap den Hartogh**

15:30 – 16:00 Coffee break

16:00 – 16:30 EU Requirements – **Dr. Martina O'Flaherty**

16:30 – 16:35 End of day – **Prof. Dr. Marcel Kool**

Wednesday 01 November *(only for 28 Butterfly Students and organizers)*

Location: Princess Máxima Auditorium

08:20 – 08:45 Registration with tea/coffee

Core Facilities and International Bodies at the Princess Máxima

08:45 – 08:50 Welcome & Introduction

Chair: Dr. Martina O'Flaherty

08:50 – 10:20 Core facilities

08:50 – 09:00 Big Data Core – **Dr. Patrick Kemmeren**

09:00 – 09:10 Microscopy & Imaging Core facility – **Dr. Ravian Ineveld**

09:10 – 09:20 Patient Reported Outcome Measures (PROM) facility – **Dr. Kelly van Bindsbergen**

09:20 – 09:30 High throughput screening – **Marlinde Schoonbeek**

09:30 – 09:40 Protein facility – **Dr. Benjamin Chalopin,**

09:40 – 09:50 Head of Trial & Data Center – **Dr. Harm Tinteren**

09:50 – 10:00 Flow Cytometry – **Niels Groenen**

10:00 – 10:10 Single-cell genomics – **Dr. Thanasis Margartis**

10:10 – 10:20 Animal Research – **Dr. Krista Haanstra**

10:20 – 10:30 Q&A

10:30 – 11:30	Máxima Academy – Prof. Dr. Gertjan Kaspers , Director of Academy & Outreach, Princess Máxima Center (60 mins)
11:30 – 12:30	Lunch
12:30 – 13:30	Lunchtime lecture - open to all Máxima Ph.D. students and supervisors Central Máxima Organoid Biobank – Dr. Karin Sanders (Máxima Seminar Series)
13:30 – 14:00	Afternoon Session for Butterfly students Coffee break
14:00 – 14:05	Diversity and Inclusion Groups at the Princess Máxima Welcome – Marita Partanen
14:05 – 14:10	Prima Ph.D.– Chris Meulenbroeks
14:10 – 14:15	Diversity & Inclusion – Carla Rios , Diversity & Inclusion
14:15 – 14:20	Authenticity in research, creating a Community of Excellence – Joske Ubels
14:20 – 14:25	Máxima International Community – Konstantinos Vazaios
14:25 – 14:35	Q&A
14:35 – 14:45	End of day – Dr. Martina O’Flaherty
16:00	Butterfly Group activity - Jeu de Boules, Utrecht

Thursday 02 Nov *(only for 28 Butterfly Students and organizers)*

Location – Princess Máxima Auditorium

08:30 – 8:50	Registration with tea/coffee
	Scientific Integrity & Sustainability in Research
8:50 – 09:00	Welcome & Introduction <i>Chair: Dr. Celina Szanto</i>
09:00 – 10:00	Data Management Plan – Dr. Jet Zoon
10:00 – 10:40	Scientific Integrity – Prof. Dr. Jan Hoeijmakers , Chairman Scientific Integrity Committee (35 min & 5min Q&A)
10:40 – 10:55	Coffee break
10:55 – 11:55	Sustainability in your research – Hannah Johnson , Green Labs NL
11:55 – 12:00	End of programme – Dr. Celina Szanto
12:00 – 12:10	Closing statement – Prof. Dr. Marcel Kool

12:10 – 12:45

Lunch

13:00 – 17:00

Bus to CrownBioScience

Bus departs from the front of the Maxima for CrownbioScience, Leiden.

17:00 – 17:30

Bus arrives in Utrecht

18:30

Dinner for Butterfly students and management team. De Oudaen, Utrecht