

18th Meeting of the Society for Natural Immunity (NK2019)

30th Sept. to 03rd Oct.
2019 Luxembourg

PROGRAMME



LUXEMBOURG2019

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18th Meeting of the Society for Natural Immunity

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- Tatiana Michel – Luxembourg Institute of Health, Luxembourg
- Aurélie Poli – Luxembourg Institute of Health, Luxembourg
- Bassam Janji – Luxembourg Institute of Health, Luxembourg
- Nathalie Jacobs – GIGA Institute, University of Liege, Belgium
- Juliette Pertuy – Luxembourg Institute of Health, Luxembourg
- Markus Ollert – Luxembourg Institute of Health, Luxembourg

Scientific Oversight Committee

- Adelheid Cerwenka, Heidelberg University, Medical Faculty Mannheim, Germany
- Andre Veillette, Institut De Recherches Cliniques De Montreal (IRCM), Canada
- Carsten Watzl, IFADO, Dortmund, Germany
- Chiara Romagnani, DRFZ, Berlin, Germany
- Dan Davis, Imperial College London, England
- David Raulet, University of California, Berkeley, USA
- Eleanor Riley, Roslin Institute, University of Edinburgh, Scotland
- Emily Mace, Columbia University Irving Medical Center, NY, USA
- Eric Vivier, Innate Pharma, Marseille, France
- Hans Gustaf Ljunggren, Karolinska Institutet, Stockholm, Sweden
- Katherine Hsu, Memorial Sloan Kettering Cancer Center, NY, USA
- Lewis Lanier, University of California, San Francisco, USA
- Mariapia Degli Esposti, Lions Eye Institute, Perth, Australia
- Michael Caligiuri, City of Hope National Medical Center, USA
- Peter Parham, Stanford University, Palo Alto, USA
- Veronika Sexl, University of Veterinary Medicine of Vienna, Austria
- Wayne Yokoyama, Washington University of Medicine in St. Louis, USA
- Todd A. Fehniger, Washington University of Medicine in St Louis, USA

SNI Council Members

- President: Adelheid Cerwenka, Heidelberg University, Medical Faculty Mannheim, Mannheim, Germany
- President elect: Todd A. Fehniger, Washington University School of Medicine, Saint Louis, USA
- Past President: Michael A. Caligiuri, City of Hope National Medical Center, Duarte, USA

Welcome to the **18th** Meeting of the Society for Natural Immunity

The Society for Natural Immunity (SNI) was established as an educational not for profit organization in 1989 for the purpose of providing a framework for supporting an established tradition of meetings and symposia on all aspects of Natural Killer cells.

It held its first meeting in 1992, in St. Petersburg, FL, organized by Julie Djeu. This meeting was combined with the 8th International Natural Killer Cell Workshop, which had been meeting since 1981. The meetings have since been combined.

Natural Immunity is a rapidly developing, exciting area of research. The purpose of the meeting is to provide investigators and trainees the opportunity to hear and present recent findings in the field of natural immunity, to meet each other, to discuss cutting-edge science and to develop novel scientific concepts in Natural Immunity. In particular, young scientists will have the chance to gain visibility and exposure in the field and to promote their scientific careers. The focus is on natural killer cells, but related emerging fields are included, and the sessions are designed to blend basic science with translational studies and clinical developments.

2019 celebrates the 30th anniversary of the SNI. Please join us in the celebration! We hope that this will be the opportunity for even more enjoyable and challenging scientific discussions during this 18th edition of the meeting!

Wishing you a fruitful, delightful and exciting conference,

Prof. Dr. Adelheid Cerwenka

PRESIDENT OF THE SNI ON BEHALF OF THE SNI BOARD



Luxembourg Institute of Health

The Luxembourg Institute of Health (LIH) is a public research organisation at the forefront of biomedical sciences. With its strong expertise in population health, oncology, infection and immunity as well as storage and handling of biological samples, its research activities are dedicated to people's health.

At LIH, more than 350 individuals are working together, aiming at investigating disease mechanisms and developing new diagnostics, innovative therapies and effective tools to implement personalised medicine. The institution is the first supplier of public health information in Luxembourg, a strong cooperation partner in local and international projects and an attractive training place for ambitious early-stage researchers.

Department of Infection and Immunity (DII)

Clinical-translational and fundamental research centre focusing on infectious and inflammatory disease mechanisms to develop the next generation of diagnostic biomarkers and immunotherapies.

Department of Oncology (DONC)

Fundamental research in the field of cellular and molecular mechanisms of tumour progression and resistance to therapies with a specific focus on neuro-oncology, lung and blood cancer.

Department of Population Health (DoPH)

Interdisciplinary research centre focusing on epidemiology and public health and performing fundamental, patient-oriented and population-based research.

IBBL (Integrated BioBank of Luxembourg)

NF S96-900 and ISO 9001 certified, and ISO 17025 accredited institute offering biospecimen-related services and biobanking infrastructure.



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Previous NK meetings

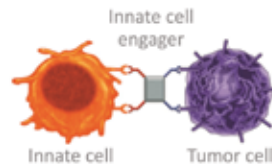
- 1st 1992 St. Petersburg, FL, USA
- 2nd 1994 Taormina, ME, Italy
- 3rd 1995 Channel Islands, Oxnard, CA, USA
- 4th 1997 Helsinki, Finland
- 5th 1998 Warrenton, VA, USA
- 6th 2000 Marseille, France
- 7th 2002 San Juan, Puerto Rico
- 8th 2004 Amsterdam, The Netherlands
- 9th 2005 Kauai, HI, USA
- 10th 2007 Cambridge, England
- 11th 2008 Perth, Australia
- 12th 2010 Dubrovnik, Croatia
- 13th 2012 Asilomar, CA, USA
- 14th 2013 Heidelberg, Germany
- 15th 2015 Montebello, QC, Canada
- 16th 2016 Taormina, ME, Italy
- 17th 2018 San Antonio, TX, USA

Affimed Is Actualizing the Untapped Potential of the Innate Immune System

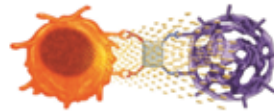
Affimed's new approach to immuno-oncology is giving patients back their innate ability to fight cancer.

The Fit-for-Purpose ROCK® (Redirected Optimized Cell Killing) platform allows innate cell engagers to be designed for specific patient populations, empowering the body's innate immune cells to recognize and kill tumor cells.

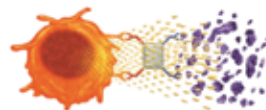
Bridging of innate and tumor cells



Stimulation of tumor lysis



Restoration of cytotoxicity in tumor cell killing



Welcome to Luxembourg!

On behalf of the organising committee, it is a great pleasure to welcome you in Luxembourg for the 18th Meeting of the Society for Natural Immunity.

Luxembourg is a cosmopolitan country in the heart of Europe, a multicultural city and the Grand Duchy of Luxembourg's capital and seat of many European institutions. Between tradition and modernity, the country and its capital offer various touristic places to visit, including wonderful UNESCO World Heritage monuments.

The NK meeting will take place in the Alvisse Parc Hotel, two steps away from beautiful Luxembourg city. We hope that these few days will allow for high level exchange, discussion and collaboration between researchers around the globe, as well as good times spent discovering charming Luxembourg.



Supported by



Meeting sponsors

Platinum sponsor



Gold sponsor



Silver sponsor



Bronze sponsor



Programme at a glance

Monday, 30.09.2019

14:00 - 19:00	Registration open
17:00 - 17:30	Welcome
17:30 - 18:30	Keynote Lecture
19:00	Welcome Cocktail

Tuesday, 01.10.2019

08:30 - 10:00	SESSION 1 – NK Cell Receptors and Education
10:00 - 10:30	Coffee Break
10:30 - 12:00	SESSION 2 – NK Cell Development and Differentiation
12:00 - 13:30	Lunch
13:30 - 15:00	SESSION 3 – Innate Lymphoid Cells
15:00 - 15:30	Coffee Break
15:30 - 17:00	SESSION 4 – NK cells and Metabolism
17:00 - 19:00	Free Time
19:00	Poster Session 1

Wednesday, 02.10.2019

08:30 - 10:00	SESSION 5 – NK cells and Anti-Tumour Immunity
10:00 - 10:30	Coffee Break
10:30 - 12:00	SESSION 6 – NK cell Memory
12:00 - 13:30	Lunch
13:30 - 15:00	SESSION 7 – NK cell Immunotherapy and Immunomodulation
15:00 - 17:00	Poster Session 2
17:00 - 19:30	Social Event
19:30	Gala Dinner

Thursday, 03.10.2019

08:30 - 10:00	SESSION 8 – Tissue-associated NK cell Subsets
10:00 - 10:30	Coffee Break
10:30 - 12:00	SESSION 9 – NK Cells and infection
12:00 - 13:30	Lunch
13:30 - 15:00	SESSION 10 – NK cells in clinics
15:00 - 15:30	Concluding remarks and invitation to the next NK meeting



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Programme in detail

Monday, 30.09.2019

14:00 - 19:00	Registration open
17:00 - 17:30	Welcome
17:30 - 18:30	Keynote Lecture Chairperson: Markus Ollert Jean-Laurent Casanova: "Towards a genetic theory of childhood infectious diseases"
19:00	Welcome Cocktail

Tuesday, 01.10.2019

08:30 - 10:00	SESSION 1 – NK Cell Receptors and Education, Chairpersons: Thierry Walzer, Domenico Mavilio
08:30 - 8:50	Katharine Hsu
08:50 - 9:10	Jacques Zimmer
09:10 - 9:20	Selected short talk 1: Sytse Piersma
09:20 - 9:40	Peter Parham
09:40 - 10:00	Karl-Johan Malmberg
10:00 - 10:30	Coffee Break
10:30 - 12:00	SESSION 2 – NK Cell Development and Differentiation, Chairpersons: Aharon Freud, Cynthia Dunbar
10:30 - 10:50	Catherine Blish
10:50 - 11:00	Selected short talk 2: Bethany Mundy-Bosse
11:00 - 11:20	Emily Mace
11:20 - 11:30	Selected short talk 3: Geoffrey Guittard
11:30 - 11:50	Michael A. Caligiuri
11:50 - 12:00	Selected short talk 4: Philippa Kennedy
12:00 - 13:30	Lunch
13:30 - 15:00	SESSION 3 – Innate Lymphoid Cells, Chairpersons: Nathalie Jacobs, Evelyn Ullrich
13:30 - 13:50	Mariapia Degli-Esposti
13:50 - 14:10	Christian Vosshenrich
14:10 - 14:20	Selected short talk 5: Selma Boulenouar
14:20 - 14:40	Marco Colonna
14:40 - 15:00	Andreas Diefenbach
15:00 - 15:30	Coffee Break
15:30 - 17:00	SESSION 4 – NK cells and Metabolism, Chairpersons: Sophie Ugolini, Dirk Brenner
15:30 - 15:50	Greta Guarda
15:50 - 16:00	Selected short talk 6: Luana Guerra
16:00 - 16:20	Claire M. Gardiner

16:20 - 16:30	Selected short talk 7: Andrew Highton
16:30 - 16:50	Megan A. Cooper
16:50 - 17:00	Selected short talk 8: Laurent Brossay
17:00 - 19:00	Free Time
19:00	Poster Session 1

Wednesday, 02.10.2019

08:30 - 10:00	SESSION 5 – NK cells and Anti-Tumour Immunity, Chairpersons: Massimo Vitale, Christian Vossenrich
08:30 - 8:50	Adelheid Cerwenka
08:50 - 9:10	David H. Raulet
09:10 - 9:20	Selected short talk 9: Karolina Tuomela
09:20 - 9:40	Jordan S. Orange
09:40 - 10:00	Carsten Watzl
10.00 - 10.30	Coffee Break
10:30 - 12:00	SESSION 6 – NK cell Memory, Chairpersons: Frank Cichocki, Yenan Bryceson
10:30 - 10:50	Joseph C. Sun
10:50 - 11:00	Selected short talk 10: Endi Santosa
11:00 - 11:20	Silke Paust
11:20 - 11:30	Selected short talk 11: Vanda Juranic Lisnic
11:30 - 11:50	Todd A. Fehniger
11:50 - 12:00	Selected short talk 12: Alvaro Haroun-Izquierdo
12:00 - 13:30	Lunch
13:30 - 15:00	SESSION 7 – NK cell Immunotherapy and Immunomodulation, Chairpersons: Angela Santoni, Bassam Janji
13:30 - 13:50	Ulrike Köhl
13:50 - 14:10	Kathy Rezvani
14:10 - 14:20	Selected short talk 13: Pauline Rettman
14:20 - 14:40	Winfried Wels
14:40 - 15:00	Zhigang Tian
15:00 - 17:00	Poster Session 2
17:00 - 19:30	Social Event
19:30	Gala Dinner

Thursday, 03.10.2019

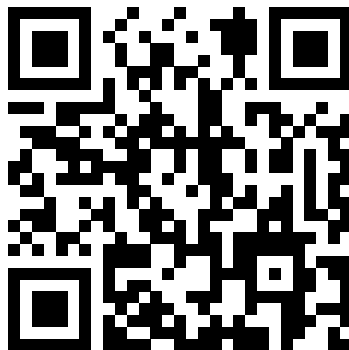
08:30 - 10:00	SESSION 8 – Tissue-associated NK cell Subsets, Chairpersons: Ana Stojanovic, Niklas Björkström
08:30 - 8:50	Wayne Yokoyama
08:50 - 9:00	Selected short talk 14: Anaïs Eberhardt
09:00 - 9:10	Selected short talk 15: Ayad Ali
09:10 - 9:20	Selected short talk 16: John Sunwoo
09:20 - 9:40	Ashley Moffett

09:40 - 9:50	Selected short talk 17: Ana Espino
09:50 - 10:00	Selected short talk 18: Silvia Pesce
10:00 - 10:30	Coffee Break
10:30 - 12:00	SESSION 9 – NK Cells and infection, Chairpersons: Eleanor Riley, Stipan Jonjic Chiara Romagnani
10:30 - 10:50	Lewis L. Lanier
10:50 - 11:10	Selected short talk 19: Helen Wagstaffe
11:10 - 11:20	Marcus Altfeld
11:40 - 12:00	Christopher H. Mody
12:00 - 13:30	Lunch
13:30 - 15:00	SESSION 10 – NK cells in clinics, Chairpersons: Nick Huntington, Salim Khakoo Eric Vivier
13:30 - 13:50	Jeffrey Miller
13:50 - 14:10	Selected short talk 20: Aura Muntasell
14:10 - 14:20	Dean Lee
14:20 - 14:40	Hans Gustaf Ljunggren
14:40 - 15:00	
15:00 - 15:30	Concluding remarks and invitation to the next NK meeting

Scan for
the abstract book!



<https://nk2019.com/abstractbook.pdf>





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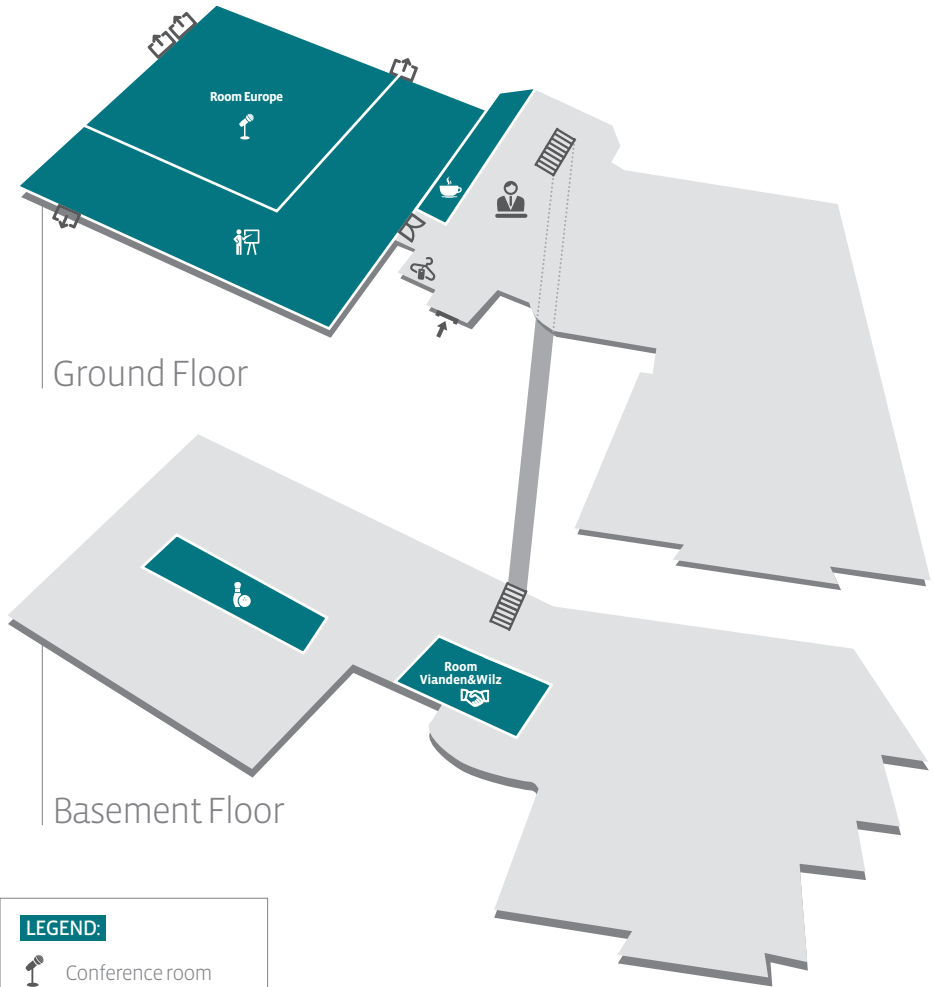
innate pharma

Innate Pharma is a commercial stage oncology-focused biotech company dedicated to improving treatment and clinical outcomes for patients through therapeutic antibodies that harness the immune system to fight cancer.









Pioneer in the biology of NK cell, Innate Pharma has expanded its expertise in the tumor microenvironment and tumor-antigens, as well as antibody engineering. This innovative approach has resulted in a diversified proprietary portfolio and major alliances with leaders in the biopharmaceutical industry including Bristol-Myers Squibb, Novo Nordisk A/S, Sanofi, and a multi-products collaboration with AstraZeneca.

www.innate-pharma.com

Venue Map



LEGEND:

-  Conference room
-  Poster session room
-  Welcome area
-  Business Corner
-  Coffee break
-  Bowling Room
-  Cloakroom
-  Entrance

Innovations for
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General information

Meeting Location & Registration Desk

The meeting takes place in the Europe room of the Alvisse Parc Hotel (120 Route d'Echternach, 1453 Luxembourg).

The registration desk will be located in the lobby of the hotel, outside of the General Session room. Please, visit the registration desk upon arrival to collect your name tag and other documents. Please, wear your name tag at all times during the meeting.

Oral Presentation

We ask all presenters to adhere strictly to their time slot: 15 minutes plus 5 minutes discussion for invited talks and 8 minutes plus 2 minutes discussion for short talks. Please download your presentation on a USB stick before the congress and drop it at the reception desk upon arrival. Should you wish to use your computer, we kindly ask you to bring your own computer connections.

Poster Presentation

A maximum space of 81,4 x 118,9 cm (DIN-A0 vertical) is available for each poster in a vertical orientation. Poster boards are located in Room Europe. All boards are labeled with the poster number. There will be two poster sessions:

Poster Session 1:

Tuesday, October 1, 7:00 pm - 9:00 pm

Poster numbers 1 to 104

Poster Session 2:

Wednesday, October 2, 3:00 pm - 5:00 pm

Poster numbers 105 to 230

Meals

Included in the registration fee are all coffee breaks, breakfasts, lunches and dinners. Coffee is served in the lobby.

Gala Dinner (ticket required)

The Gala Dinner is to take place on Wednesday, October 2 from 7:30 pm – 01:00 am, and takes place at the Abbaye de Neumunster (28, rue Münster, L-2160 Luxembourg).

Wi-Fi

There will be Wi-Fi for attendees available in the meeting space.

Network: Europe

Password: Europe-1453

Transportation

No shuttle service will be available from the airport to Alvisse Parc Hotel on September 30, but there are public transport options at the Luxembourg airport that you will be able to use at your choice. 3 bus lines (bus line number 100, 110 & 111) that stop just in front of the hotel (Bus stop: Dommeldange-Um Dauschbour).

Travel times from the airport to the hotel are between 10-15 minutes by car, depending on traffic and 40-45 minutes by bus.

Travel times from the hotel to the city center by bus are between 15-20 minutes.

More information public transportation on: www.mobiliteit.lu

To book a cab: www.webtaxi.lu

During the congress, shuttles will be available as follows:

MONDAY, 30.09.2019	Departure Time :	Departure From :
Alvisse Parc Hotel – Hilton Hotel	09:00 p.m.	Alvisse Parc Hotel Parking
Alvisse Parc Hotel – Airport Hotels	09:00 p.m.	Alvisse Parc Hotel Parking
TUESDAY, 01.10.2019		
Hilton Hotel – Alvisse Parc Hotel	08:00 a.m.	Hilton Hotel Parking
Airport Hotels – Alvisse Parc Hotel	07:45 a.m.	IBIS / NH Hotel Parking
Alvisse Parc Hotel – Hilton Hotel	09:30 p.m.	Alvisse Parc Hotel Parking
Alvisse Parc Hotel – Airport Hotels	09:30 p.m.	Alvisse Parc Hotel Parking
WEDNESDAY, 02.10.2019		
Hilton Hotel – Alvisse Parc Hotel	08:00 a.m.	Hilton Hotel Parking
Airport Hotels – Alvisse Parc Hotel	07:45 a.m.	IBIS / NH Hotel Parking
Alvisse Parc Hotel – City Center (Social Activity)	05:30 p.m.	Alvisse Parc Hotel Parking
Abbaye de Neumunster – Hilton/ Alvisse / Airport Hotels	11:00 p.m.; 00:00 a.m; 01:00 a.m	Abbaye de Neumunster – Rue de Trèves
THURSDAY, 03.10.2019		
Hilton Hotel – Alvisse Parc Hotel	08:00 a.m.	Hilton Hotel Parking
Airport Hotels – Alvisse Parc Hotel	07:45 a.m.	IBIS / NH Hotel Parking
Alvisse Parc Hotel – Luxembourg Airport	04:30 p.m.	Alvisse Parc Hotel Parking

Business corner

A business corner will be available in the hotel during the whole congress.

Bowling

You will also be able to access the bowling alley of the hotel, located at -1, next to the business corner. This sport is very popular in Luxembourg and has some national specificities as well, feel free to give it a try!



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