

14th ENII EFIS EJI Summer School on Advanced Immunology

May 11-18, 2019, Porto Cervo, Sardinia

Saturday 11	Sunday 12	Monday 13	Tuesday 14	Wednesday 15	Thursday 16	Friday 17	Saturday 18
Arrival and Check-in at Hotel Le Ginestre rooms available after 15.00	7.15-8.45 Breakfast	7.15-8.45 Breakfast	7.15-8.45 Breakfast	7.15-8.45 Breakfast	7.15-8.45 Breakfast	7.30-9.30 Breakfast	7.00-10.30 Breakfast
	8.50 Welcome	9.00-11.00 Guest Lectures	9.00-11.00 Guest Lectures	9.00-11.00 Guest Lectures	9.00-11.00 Guest Lectures	09.30 (TBC) departure	Check Out by 11:00
	9.00-11.00 Guest Lectures						
	11.00 -11.20 break	11.00 -11.20 break	11.00 -11.20 break	11.00 -11.20 break	11.00 -11.20 break		
	11.30-12.30 Guest Lecture	11.30-12.30 Guest Lecture	11.30-12.30 Guest Lecture	11.30-12.30 Guest Lecture	11.30-12.30 Guest Lecture		
13.00 Lunch	13.00 Lunch	13.00 Lunch	13.00 Lunch	13.00 Lunch	13.00 Lunch	CULTURAL EXCURSION	12.45 Lunch
18.30-20.00 Registration	free time 16.00-17.30 Participant Presentations	free time 16.00-17.30 Participant Presentations	free time 16.00-17.30 Participant Presentations	free time 16.00-17.30 Participant Presentations	free time 16.00-17.30 Participant Presentations		16:00 (TBC) return
	17.30 -17.50 break	17.30 -17.50 break	17.30 -17.50 break	17.30 -17.50 break	17.30 -17.50 break		
	18.00-19.00 Tutorial Sessions	18.00-19.00 Tutorial Sessions	18.00-19.00 Tutorial Sessions	18.00-19.00 Tutorial Sessions	18.00-19.00 Tutorial Sessions	18.00-19.00 Tutorial Sessions	19.00-20.00 Farewell Aperitivo & Awards
20.00 Dinner	19.45 Dinner	19.45 Dinner	19.45 Dinner	19.45 Dinner	19.45 Dinner	20.00 Dinner	
21.00-23.00 Registration	21.00 Poster Session A	21.00 Poster Session B	21.00 Poster Session C	21.00 Poster Session D	21.00 Poster Session E	Social Evening	

14th ENII EFIS EJI Summer School on Advanced Immunology

May 11 -18, 2019

Porto Cervo, Costa Smeralda, Sardinia

Saturday, May 11 - Arrival

Sunday, May 12

Lecture (09:00-10:00): **Philippe Bousso** "Decoding immune responses to cancer and infection using intravital imaging"

Lecture (10:00-11:00): **Steffen Jung** "Macrophages and Organ Homeostasis"

Coffee Break (11:00-11:20)

Lecture (11:30-12:30): **Doreen Cantrell** "Environment control of T lymphocytes"

Lunch (13:00-14:00)

Participant short presentations (16:00-17:30)

Coffee Break (17:30-17:50)

Tutorial Sessions (18:00-19:00)

Dinner (19:45-21:00)

Poster Session "A" (21:00-22:30)

Monday, May 13

Lecture (09:00-10:00): **Andrés Hidalgo** "Innate immunity, more innate than immune"

Lecture (10:00-11:00): **Bernard Malissen** "Systems immunology of T cell-DC encounters"

Coffee Break (11:00-11:20)

Lecture (11:30-12:30): **Andreas Radbruch** "The resting and the restless immunological memory"

Lunch (13:00-14:00)

Participant short presentations (16:00-17:30)

Coffee Break (17:30-17:50)

Tutorial Sessions (18:00-19:00)

Dinner (19:45-21:00)

Poster Session "B" (21:00-22:30)

Tuesday, May 14

Lecture (09:00-10:00): **James Di Santo** "A 'T cell-centric' View of Innate Lymphoid Cell Differentiation"

Lecture (10:00-11:00): **Jakub Abramson** "AIRE: From Central Tolerance to Candida Infection"

Coffee Break (11:00-11:20)

Lecture (11:30-12:30): **Andrea Ablasser** "Innate DNA sensing mechanisms"

Lunch (13:00-14:00)

Participant short presentations (16:00-17:30)

Coffee Break (17:30-17:50)

Tutorial Sessions (18:00-19:00)

Dinner (19:45-21:00)

Poster Session "C" (21:00-22:30)

Wednesday, May 15

Lecture (09:00-10:00): **Joachim Schultze** “The myeloid cell system – cell by cell”

Lecture (10:00-11:00): **Maries van den Broek** “The interaction between cancer and the immune system”

Coffee Break (11:00-11:20)

Lecture (11:30-12:30): **Jannie Borst** “Enticing T cells to attack cancer: the importance of CD4+ T-cell help”

Lunch (13:00-14:00)

Participant short presentations (16:00-17:30)

Coffee Break (17:30-17:50)

Tutorial Sessions (18:00-19:00)

Dinner (19:45-21:00)

Poster Session “D” (21:00-22:30)

Thursday, May 16

Lecture (09:00-10:00): **Nadine Cerf-Bensussan** “Dissecting host-microbiota interactions across the immune system: lessons from gnotobiotic mice and human monogenic inflammatory bowel diseases”

Lecture (10:00-11:00): **Ana Domingos** “Sympathetic Neuroimmunity in Obesity”

Coffee Break (11:00-11:20)

Lecture (11:30-12:30): **Rino Rappuoli** “Vaccines”

Lunch (13:00-14:00)

Participant short presentations (16:00-17:30)

Coffee Break (17:30-17:50)

Tutorial Sessions (18:00-19:00)

Dinner (19:45-21:00)

Poster Session “E” (21:00-22:30)

Friday, May 17

Networking event (09:00-17:00)

Private Full Day Boat Excursion to the “La Maddalena Archipelago National Park”, with its pristine islands Spargi, Budelli and Santa Maria. Stops planned at two beaches and the town of La Maddalena for sightseeing. Light lunch on board.

Farewell Aperitivo and Awards (19:00)

Sardinian Dinner (20:00-22:00)

Social Evening

Saturday, May 18 - Departure

Sunday, May 12th, 2019

Morning Session

8.50 **WELCOME & COURSE OVERVIEW**

Guest Speaker Lectures:

9.00 **Philippe Bousso**
Decoding immune responses to cancer and infection using intravital imaging

10.00 **Steffen Jung**
Macrophages Organ Homeostasis

11.00-11.20 **COFFEE BREAK**

11.30 **Doreen Cantrell**
Environmental control of T lymphocytes

Afternoon Session

16.00 **Participant Presentations**

Bedard Melissa, Weatherall Institute of Molecular Medicine, Oxford, United Kingdom
HOW TO PERK UP INKT CELLS: A MECHANISM OF ER STRESS-MEDIATED, STERILE INKT CELL ACTIVATION (Abstract 5)

Bouti Panagiota, Sanquin Research and Landsteiner Laboratory, Amsterdam, Netherlands
UNRAVELLING THE SIGNALLING PATHWAY OF CD47-SIRPA CHECKPOINT BLOCKADE DURING NEUTROPHIL ADCC (Abstract 8)

Carnevale Silvia, Humanitas University, Pieve Emanuele (MI), Italy
NEUTROPHILS DRIVING UNCONVENTIONAL T cells ARE ESSENTIAL FOR RESISTANCE AGAINST MURINE AND HUMAN SARCOMAS (Abstract 12)

Chen Yiwei, Institute for Research in Biomedicine, Bellinzona, Switzerland
THE DISCOVERY OF NEW INSERTIONS IN ANTIBODIES AGAINST MALARIA (Abstract 14)

Deng Yun, University of Zurich, Zurich, Switzerland
ROLE OF CD27/CD70 DEFICIENCY IN THE CELL-MEDIATED IMMUNE CONTROL OF THE EPSTEIN BARR VIRUS (Abstract 19)

POSTER TEASER PRESENTATIONS (20 min)

17.30-17.50 **COFFEE BREAK**

18.00 **Tutorial Sessions**

Evening Session

21.00 **POSTER SESSION A**

Monday, May 13th, 2019

Morning Session

Guest Speaker Lectures:

- 9.00 **Andrés Hidalgo**
Innate immunity, more innate than immune
- 10.00 **Steffen Jung**
Macrophages Organ homeostasis
- 11.00-11.20 **COFFEE BREAK**
- 11.30 **Andreas Radbruch**
The resting and the restless immunological memory

Afternoon Session

16.00 Participant Presentations

Edner Natalie Mona, Institute of Immunity and Transplantation, London, United Kingdom
ROLE OF THE CD28 PATHWAY IN FOLLICULAR T HELPER CELL RESPONSES IN AUTOIMMUNE DIABETES
(Abstract 21)

Félix Inês, University of Turku, Turku, Finland
DEVELOPMENTAL ORIGIN AND FUNCTION OF ADIPOSE TISSUE MACROPHAGES (Abstract 23)

Filpe Pamela , University Medical Centre Hamburg-Eppendorf, Hamburg, Germany
ACTIVATION REGULATORS OF PERIPHERAL BLOOD AND INTRAHEPATIC T EFFECTOR CELLS IN
AUTOIMMUNE HEPATITIS (Abstract 24)

Gangaev Anastasia, NKI, Amsterdam, Netherlands
UNDERSTANDING THE EFFECT OF CHECKPOINT BLOCKADE ON TUMOR-SPECIFIC CD8 T CELLS
(Abstract 27)

Homrich Mirka, LIMES (Life and Medical Sciences Bonn), Bonn, Germany
ELUCIDATION OF EXCESS CENTROSOME ORGANIZATION AND REGULATORY PROCESSES OF
CENTROSOME CLUSTERING IN DENDRITIC CELLS (Abstract 33)

POSTER TEASER PRESENTATIONS (20 min)

17.30-17.50 **COFFEE BREAK**

18.00 **Tutorial Sessions**

Evening Session

21.00 **POSTER SESSION B**

Tuesday, May 14th, 2019

Morning Session

Guest Speaker Lectures:

9.00 James Di Santo
A 'T cell-centric' View of Innate Lymphoid Cell Differentiation

10.00 Jakub Abramson
AIRE: From Central Tolerance to Candida Infection

11.00-11.20 COFFEE BREAK

11.30 Andrea Ablasser
Innate DNA sensing mechanisms

Afternoon Session

16.00 Participant Presentations

Irina Olga, Radboud UMC, RIMLS, Nijmegen, Netherlands
CYSTEINE CATHEPSIN ACTIVITY-BASED PROBE TO STUDY TUMOR-ASSOCIATED MACROPHAGES (Abstract 34)

Lanfermeijer Josien, National Institute of Public Health and the Environment, Bilthoven, Netherlands
THE EFFECT OF AGE AND CMV INFECTION ON FLU-SPECIFIC CD8+ T-CELLS (Abstract 46)

Mensink Mark, Netherlands Cancer Institute, Amsterdam, Netherlands
TNFR2 COSTIMULATION PROMOTES GLYCOLYSIS IN HUMAN REGULATORY T CELLS VIA MTOR SIGNALING (Abstract 52)

Morgand Erwan, Cordeliers Research Center, Paris, France
CHARACTERIZATION OF THE IMMUNE MICROENVIRONMENT IN CERVICAL PRECANCEROUS LESIONS (Abstract 55)

Muri Jonathan, ETH Zürich, Zurich, Switzerland
THE THIOREDOXIN-1 SYSTEM FUELS DNA SYNTHESIS DURING T-CELL BUT NOT B-CELL METABOLIC REPROGRAMMING AND PROLIFERATION (Abstract 58)

POSTER TEASER PRESENTATIONS (20 min)

17.30-17.50 COFFEE BREAK

18.00 Tutorial Sessions

Evening Session

21.00 POSTER SESSION C

Wednesday, May 15th, 2019

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Morning Session

Guest Speaker Lectures:

- 9.00 Joachim Schultze**
The myeloid cell system – cell by cell
- 10.00 Maries van den Broek**
The interaction between cancer and the immune system
- 11.00-11.20 COFFEE BREAK**
- 11.30 Jannie Borst**
Enticing T cells to attack cancer: the importance of CD4+ T-cell help
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Afternoon Session

16.00 Participant Presentations

Offermann Nina, Deutsches Zentrum für Neurodegenerative Erkrankungen e.V. (German Center for Neurodegenerative Diseases e.V.), Bonn, Germany
HYDROGEN VOLTAGE-GATED CHANNEL 1 REGULATES NEUTROPHIL ACTIVATION (Abstract 60)

Rodgers Aoife Maria, Queens University Belfast , Belfast , United Kingdom
DEVELOPMENT OF A GENTAMICIN MICROARRAY PATCH FOR POTENTIAL TREATMENT OF INFECTIOUS DISEASE (Abstract 66)

Sprenkeler Evelien, Sanquin Research and Landsteiner Laboratory / Amsterdam University Medical Center, Amsterdam, Netherlands
MKL1 DEFICIENCY RESULTS IN A SEVERE NEUTROPHIL DEFECT WITH IMPAIRED ACTIN POLYMERIZATION AND EXCESSIVE DEGRANULATION (Abstract 69)

Stempels Femmy, University of Groningen, Groningen, Netherlands
OXIDIZED PROTEINS ARE REMOVED FROM PHAGOSOMES BY AUTOPHAGY-RELATED MEMBRANE FISSION (Abstract 70)

Steuten Juulke, Sanquin Blood Supply Foundation, Amsterdam, Netherlands
INHIBITION OF DENDRITIC CELL MATURATION AND MODULATION OF T CELL POLARIZATION BY THE PLATELET SECRETOME (Abstract 72)

POSTER TEASER PRESENTATIONS (20 min)

17.30-17.50 COFFEE BREAK

18.00 Tutorial Sessions

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Evening Session

21.00 POSTER SESSION D

Thursday, May 16th, 2019

Morning Session

Guest Speaker Lectures:

- 9.00 Nadine Cerf-Bensussan**
Dissecting host-microbiota interactions across the immune system: lessons from gnotobiotic mice and human monogenic inflammatory bowel diseases
- 10.00 Ana Domingos**
Sympathetic Neuroimmunity in Obesity
- 11-10.30 COFFEE BREAK**
- 11.30 Rino Rappuoli**
Vaccines
-

Afternoon Session

16.00 Participant Presentations

Taggenbrock Renske, Sanquin Research, Amsterdam, Netherlands
TRANSCRIPTION FACTOR HOBIT IDENTIFIES ILC1S THROUGHOUT PERIPHERAL TISSUES AND REGULATES THEIR MATURATION IN MICE (Abstract 75)

Tan Sin Lih , University of Bristol , Bristol, United Kingdom
COMPUTATIONAL SPATIOTEMPORAL ANALYSIS OF SIGNALLING INTERMEDIATES UPON T CELL SIGNALLING (Abstract 76)

Vacková Julie, Charles University, Faculty of Science, BIOCEV, Vestec, Czech Republic
ABROGATION OF IFN GAMMA SIGNALLING DOES NOT NECESSARILY WORSEN SENSITIVITY TO PD-1/PD-L1 BLOCKADE (Abstract 79)

Weier Ann-Kathrin, Life and Medical Institute Bonn, Bonn, Germany
INVESTIGATIONS OF CENTROSOMES, THEIR FUNCTION AND REGULATION IN DENDRITIC CELLS (Abstract 83)

Wong Carissa, Cardiff University, Cardiff , United Kingdom
IMAGING THE T-CELL RESPONSE TO TUMOURS USING A 3D TUMOUR SPHEROID MODEL AND 2-PHOTON MICROSCOPY (Abstract 84)

POSTER TEASER PRESENTATIONS (20 min)

17.30-17.50 COFFEE BREAK

18.00 Tutorial Sessions

Evening Session

21.00 POSTER SESSION E

Friday, May 17th, 2019

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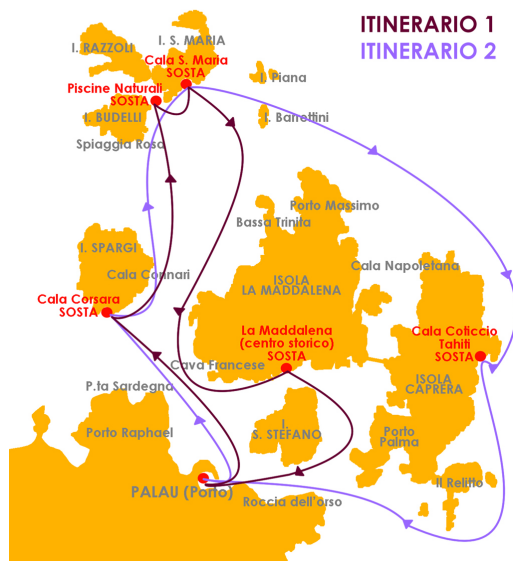
Networking event (09.00-17.00, departure/return times to be confirmed on-site)

Full Day Boat Excursion to La Maddalena Archipelago National Park, with its pristine islands Spargi, Budelli and Santa Maria. Stops planned at two beaches and the town of La Maddalena for sightseeing. Light lunch on board.

Archipelago of La Maddalena - Where the Sky Merges with the Sea (Itinerary 1)

The boat will take you for a 5-6 hour trip to explore the sea and islands in the La Maddalena Archipelago.

Arcipelago di La Maddalena National Park is a geomarine national park on the coast of Sardinia which was established in 1994. In 2006 it was placed on the Tentative list for consideration as a World Heritage Site by UNESCO.



During the trip, you will pass close by the islands of Caprera and Santo Stefano to get to the island of La Maddalena where a stop is made with time for shopping in the typical local craft shops. In the historical centre of the island you can visit the Palazzo Comunale, the Naval Museum and the Diocesan Museum of Sacred Art.

The voyage continues towards the most beautiful islands of the Maddalena archipelago. A stopover is made on the islands of Spargi and Santa Maria for swimming in the beautiful crystal-clear waters. Then a panoramic tour of the Manto della Madonna follows, where the sea colour is unique in the world. The voyage then passes close by the Budelli Island, famous for its pink beach where landing has been prohibited in the past few years since it became a protected area.

At lunchtime pasta will be served on board. During the stop on Spargi island, in Cala Corsara, the most enchanting bay of the island, you can view natural rocks sculptures: caused by wind and water erosion, the rocks have taken on particular forms: the head of a witch, a dog, boots, etc. On the way back you will pass by Punta Sardinia, Porto Raphael, Palau and Capo d'Orso where you can admire the famous Bear rock.

19.00 Farewell Aperitivo and Awards

20.00 Sardinian Dinner

Social Evening with DJ