

# 12<sup>th</sup> ENII EFIS EJI Summer School in Advanced Immunology

May 6-13, 2017 Porto Cervo, Sardinia

Saturday 6	Sunday 7	Monday 8	Tuesday 9	Wednesday 10	Thursday 11	Friday 12	Saturday 13
<b>Arrival and Check In at Hotel Le Ginestre</b>  <i>(rooms available after 15.00)</i>	7.15-8.45 Breakfast	7.15-8.45 Breakfast	7.15-8.45 Breakfast	7.15-8.15 Breakfast	7.15-8.15 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	8.30-12.00 Guest Lectures	8.30-12.00 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	10.30 -10.50 break	10.30 -10.50 break		
	11.30-12.30 Guest Lecture	11.30-12.30 Guest Lecture	11.30-12.30 Guest Lecture	11.00-12.00 Guest Lecture	11.00-12.00 Guest Lecture		
				12.00-13.00 Tutorial Sessions	12.00-13.00 Tutorial Sessions		
13.00 Lunch	13.00 Lunch	13.00 Lunch	13.00 Lunch	13.00 Lunch	13.00 Lunch		
18.30-20.00 Registration	free time	free time	free time	free time	free time	16:00 (TBC) return	
	16.00-17.30 Participant Presentations	16.00-17.00 Guest Lecture	16.00-17.30 Participant Presentations	16.00-17.30 Participant Presentations	16.00-17.30 Participant Presentations		
		17.00 -17.20 break					
	17.30 -17.50 break	17:20 -18:00 Participant Presentations	17.30 -17.50 break	17.30 -17.50 break	17.30 -17.50 break		
18.00-19.00 Tutorial Sessions	18.00-19.20 Tutorial Sessions	18.00-19.00 Tutorial Sessions	18.00-19.00 Publishing Talk	18.00-19.30 Writing Workshop	18.00-19.00 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	

## ENII EFIS EJI Summer School on Advanced Immunology

May 6 -13, 2017

Porto Cervo, Costa Smeralda, Sardinia

### Saturday, May 6 - Arrival

### Sunday, May 7

Lecture (09:00-10:00): **Henrique Veiga-Fernandes** "Innate lymphoid cells and the second brain"  
Lecture (10:00-11:00): **René van Lier** "Blood and Beyond: Properties of tissue-resident CD8+ memory T-cells"  
Coffee Break (11:00-11:20)  
Lecture (11:30-12:30): **Burkhard Ludewig** "Stromal cell - innate lymphoid cell interaction"  
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 8

Lecture (09:00-10:00): **Ludger Klein** "Central T cell tolerance: mechanisms and cellular players"  
Lecture (10:00-11:00): **Veit Hornung** "The Inflammasomes"  
Coffee Break (11:00-11:20)  
Lecture (11:30-12:30): **Sergio Abrignani** "Heterogeneity of Tissue-infiltrating Regulatory T lymphocytes (Treg)"  
Lunch (13:00-14:00)  
Lecture (16:00-17:00): **Philippe Bousso** "Decoding immune responses to cancer and infection using intravital imaging"  
Coffee Break (17:00-17:20)  
Participant short presentations: (17:20-18:00)  
Tutorial Sessions: 18:00-19:20  
Dinner (19:45-21:00)  
Poster Session "B" (21:00-22:30)

### Tuesday, May 9

Lecture (09:00-10:00): **Burkhard Becher** "Autoimmunity: Self-reactivity or cytokine-miscommunication?"  
Lecture (10:00-11:00): **Naomi Taylor** "Metabolic fueling of T cell differentiation and effector function"  
Coffee Break (11:00-11:20)  
Lecture (11:30-12:30): **Jannie Borst** "Optimisation of the CTL response to 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 "C" (21:00-22:30)

### **Wednesday, May 10**

Lecture (08:30-09:30): **Venizelos Papayannopoulos** "Neutrophils in inflammation and pathogen clearance"

Lecture (09:30-10:30): **Awen Gallimore** "Cancer Immunology - what's all the fuss about?"

Coffee Break (10:30-10:50)

Lecture (11:00-12:00): **Maries van den Broek** "The interaction between cancer and the immune system"

Tutorial Sessions: 12:00-13:00

Lunch (13:00-14:00)

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

Coffee Break (17:30-17:50)

Publishing Talk (18:00-19:00) **Lucy Robinson** "Publish or perish: effective science writing from the independent editor's perspective"

Dinner (19:45-21:00)

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

### **Thursday, May 11**

Lecture (08:30-09:30): **Andreas Radbruch** "The resting and the restless immunological memory"

Lecture (09:30-10:30): **Victor Appay** "Anti-viral T-cell efficacy: lessons from HIV infection"

Coffee Break (10:30-10:50)

Lecture (11:00-12:00): **Kevin Maloy** "Innate and adaptive immune regulatory circuits in the intestine"

Tutorial Sessions: 12:00-13:00

Lunch (13:00-14:00)

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

Coffee Break (17:30-17:50)

Abstract Writing Workshop A: (18:00-19:30) Hosted by **Insight Editing London**

Dinner (19:45-21:00)

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

### **Friday, May 12**

Networking event (09:00-16:00)

**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 (18:00)

Sardinian Dinner (20:00-22:00)

Social Evening with DJ

### **Saturday, May 13 - Departure**

**Sunday, May 7<sup>th</sup>, 2017**

**Morning Session**

**8.50 WELCOME & COURSE OVERVIEW**

**Guest Speaker Lectures:**

**9.00 Henrique Veiga-Fernandes**  
Innate lymphoid cells and the second brain

**10.00 René van Lier**  
Blood and Beyond: Properties of tissue-resident CD8<sup>+</sup> memory T-cells

**11.00-11.20 COFFEE BREAK**

**11.30 Burkhard Ludewig**  
Stromal cell - innate lymphoid cell interaction

**Afternoon Session**

**16.00 Participant Presentations**

**Baranov Maksim, RIMLS, Nijmegen, Netherlands**  
SWAP70 ORGANIZES THE ACTIN CYTOSKELETON AND IS ESSENTIAL FOR PHAGOCYTOSIS (Abstract 3)

**Barnkob Mike, WIMM, University of Oxford, Oxford, United Kingdom**  
INHIBITING T CELL MOVEMENT: A NOVEL CANCER IMMUNE ESCAPE MECHANISM (Abstract 4)

**Bradyanova Silviya, Institute of Microbiology "Stefan Angelov", Sofia, Bulgaria**  
DOWN-REGULATION OF AUTOACTIVE T CELLS BY ANTIBODY THERAPY IN MURINE MODEL OF SYSTEMIC LUPUS ERYTHEMATOSUS (Abstract 7)

**Cherrier Dylan, Institut Pasteur, Paris, France**  
MURINE BONE MARROW ID2<sup>+</sup> ILC PROGENITORS DISPLAY HETEROGENOUS LINEAGE POTENTIALS (Abstract 9)

**Courreges Christina, Babraham Institute, Cambridge, United Kingdom**  
ROLE OF THE CLASS III PI3K VPS34 IN T CELL IMMUNITY (Abstract 13)

**Cremasco Floriana, Ospedale San Raffaele, Milan, Italy**  
THE AUTOPHAGY ADAPTER SQSTM1/P62 SUSTAINS PLASMA CELL DIFFERENTIATION AND HUMORAL IMMUNITY (Abstract 14)

**Duriavic Vincent, IGMM, Montpellier, France**  
LYMPHOPENIA-INDUCING REGIMENS DIFFERENTIALLY CONDITION THE FATE OF ADOPTIVELY-TRANSFERRED T CELLS (Abstract 19)

**17.30-17.50 COFFEE BREAK**

**18.00 Tutorial Sessions**

**Evening Session**

**21.00 POSTER SESSION A**

**Monday, May 8<sup>th</sup>, 2017**

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**Morning Session**

**Guest Speaker Lectures:**

- 9.00**            **Ludger Klein**  
Central T cell tolerance: mechanisms and cellular players
- 10.00**           **Veit Hornung**  
The Inflammasomes
- 11.00-11.20**    **COFFEE BREAK**
- 11.30**            **Sergio Abrignani**  
Heterogeneity of Tissue-infiltrating Regulatory T lymphocytes (Treg)

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**Afternoon Session**

- 16.00**            **Philippe Bousso**  
Decoding immune responses to cancer and infection using intravital imaging
- 17.00-17.20**    **COFFEE BREAK**
- 17.20**            **Participant Presentations**

**Engelberts Petrus, LUMC, Utrecht, Netherlands**

TYPE I CD20 ANTIBODIES RECRUIT THE B-CELL RECEPTOR FOR COMPLEMENT-DEPENDENT LYSIS OF MALIGNANT B CELLS (Abstract 21)

**Erazo Anna, LIMES, Bonn, Germany**

INFLUENCE OF CCL17 PRODUCING DENDRITIC CELLS ON THE IMMUNE DEFENCE AGAINST SALMONELLA INFECTION (Abstract 22)

**Godinho da Silva Cristina, IMM, Lisboa, Portugal**

CONTROL OF INNATE LYMPHOID CELLS AND ENTERIC DEFENCE BY CIRCADIAN INPUTS (Abstract 25)

**18.00**            **Tutorial Sessions**

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**Evening Session**

**21.00**            **POSTER SESSION B**

**Tuesday, May 9<sup>th</sup>, 2017**



***Morning Session***

**Guest Speaker Lectures:**

- 9.00            **Burkhard Becher**  
Autoimmunity: Self-reactivity or cytokine-miscommunication?
- 10.00           **Naomi Taylor**  
Metabolic fueling of T cell differentiation and effector function
- 11.00-11.20    **COFFEE BREAK**
- 11.30           **Jannie Borst**  
Optimisation of the CTL response to cancer: the importance of CD4 T cell help



***Afternoon Session***

**16.00           Participant Presentations**

**Grievink Wieke, CHDR, Leiden, Netherlands**

ASSESSMENT OF LEUKOCYTE DYNAMICS IN HEALTHY VOLUNTEERS (Abstract 27)

**Gu Yisu, University of Oxford , Oxford, United Kingdom**

THE IL-33 - T REGULATORY CELL PATHWAY IN INTESTINAL HOMEOSTASIS (Abstract 30)

**Hadjinicolaou Andreas, University of Oxford, Oxford, United Kingdom**

DIFFERENTIAL ARGININE METABOLISM BETWEEN CANCER CELLS AND T-LYMPHOCYTES PROVIDES INSIGHTS INTO TUMOUR IMMUNE ESCAPE STRATEGIES (Abstract 31)

**Himmelhan Bianca Stefanie, Medical Faculty Mannheim, Heidelberg University, Mannheim, Germany**

NK CELL METABOLISM IN SEPSIS (Abstract 35)

**Kharabi Masouleh Schekufe, CCCP, Bonn, Germany**

METABOLIC REGULATION OF INNATE LYMPHOID CELLS IN AIRWAY INFLAMMATION (Abstract 42)

**Kunkl Martina, Sapienza University, Roma, Italy**

INHIBITION OF PHOSPHATIDYLINOSITOL 4-PHOSPHATE 5-KINASE-A IMPAIRS CD28-DEPENDENT COSTIMULATORY AND PRO-INFLAMMATORY SIGNALS IN HUMAN T LYMPHOCYTES (Abstract 47)

**Llaó Cid Laura, DKFZ, Heidelberg, Germany**

SINGLE-CELL TRANSCRIPTOME ANALYSES TO MOLECULARLY DECIPHER AND OVERCOME IMMUNE ESCAPE IN CHRONIC LYMPHOCYTIC LEUKEMIA (Abstract 52)

**17.30-17.50    COFFEE BREAK**

**18.00           Tutorial Sessions**

***Evening Session***

**21.00           POSTER SESSION C**

**Wednesday, May 10<sup>th</sup>, 2017**

***Morning Session***

**Guest Speaker Lectures:**

- 08.30**      **Venizelos Papayannopoulos**  
Neutrophils in inflammation and pathogen clearance
- 09.30**      **Awen Gallimore**  
Cancer Immunology - what's all the fuss about?
- 10.30-10.50**      **COFFEE BREAK**
- 11.00**      **Maries van den Broek**  
The interaction between cancer and the immune system
- 12.00-13.00**      **Tutorial Sessions**

**Wednesday, May 10<sup>th</sup>, 2017**

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**Afternoon Session**

**16.00 Participant Presentations**

**Lokka Emmi, University of Turku, Turku, Finland**

PLVAP IN TRAFFICKING OF EMBRYONIC IMMUNE CELLS (Abstract 53)

**Lucchiari Giulia, University of Zurich, Zürich, Switzerland**

INVESTIGATING THE ROLE OF TISSUE-RESIDENT NATURAL KILLER CELLS IN LIVER METASTASIS (Abstract 54)

**Nadafi Reza, VUmc Amsterdam, AMSTERDAM, Netherlands**

DC MIGRATION TO LNs IS CONTROLLED BY DERMATAN SULFATE AND DEFINES EFFICIENCY OF ADAPTIVE IMMUNITY (Abstract 62)

**Obraztsov Igor, State Scientific Centre for Paediatric Haematology, Oncology and Immunology, Moscow, Russia**

CHEMILUMINESCENT ANALYSIS OF THE NEUTROPHIL FUNCTION: FROM BENCH TO BEDSIDE (Abstract 65)

**Roesler Berenice, Radboud UMC Nijmegen, Nijmegen, Netherlands**

GM-CSF HYPER-ACTIVITY IN BEHCET'S DISEASE (Abstract 73)

**Rolfes Verena, Institute of Innate Immunity, Bonn, Germany**

INTERLEUKIN-1 BETA AMPLIFICATION IN BY PLATELETS AFTER INFLAMMASOME ACTIVATION (Abstract 74)

**17.30-17.50 COFFEE BREAK**

**18.00-19.00 Lucy Robinson, Insight Editing London**

Publish or perish: effective science writing from the independent editor's perspective

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**Evening Session**

**21.00 POSTER SESSION D**



**Thursday, May 11<sup>th</sup>, 2017**



***Morning Session***

**Guest Speaker Lectures:**

- |                    |   |
|--------------------|---|
| <b>08.30</b>       | <b>Andreas Radbruch</b><br>The resting and the restless immunological memory          |
| <b>09.30</b>       | <b>Victor Appay</b><br>Anti-viral T-cell efficacy: lessons from HIV infection         |
| <b>10.30-10.50</b> | <b>COFFEE BREAK</b>   |
| <b>11.00</b>       | <b>Kevin Maloy</b><br>Innate and adaptive immune regulatory circuits in the intestine |
| <b>12.00-13.00</b> | <b>Tutorial Sessions</b>  |

**Thursday, May 11<sup>th</sup>, 2017**

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**Afternoon Session**

**16.00 Participant Presentations**

**Hüsser Tamara, University Hospital Zurich, Zürich, Switzerland**

UTILIZING FRESH HUMAN TUMOR TISSUE FOR ASSESSING THE ACTIVITY OF CANCER IMMUNOTHERAPIES (Abstract 38)

**Ryzhakov Grigory, Kennedy Institute of Rheumatology, Oxford, United Kingdom**

INTEGRATED OMICS APPROACH REVEALS NOVEL IL-23 TARGETS IN TH17 CELLS (Abstract 76)

**Schadt Linda, University of Zurich, Zürich, Switzerland**

TRANSFER OF CGAMP - A POTENTIAL MECHANISM OF INNATE TUMOR IMMUNE SENSING (Abstract 78)

**Verboogen Daniëlle, Radboudumc, Nijmegen, Netherlands**

RECEPTOR-MEDIATED TRAFFICKING REGULATES SIGNALING OF INTERLEUKIN 6 (Abstract 91)

**Virtakoivu Reetta, University of Turku, Turku, Finland**

A CLEVER-1 LIQUID BIOPSY APPROACH TO IDENTIFY CANCER PATIENTS UNDER IMMUNOSUPPRESSION (Abstract 92)

**Wang Lei, Institute for Immunology, University of Munich, Munich, Germany**

MECHANISMS OF CENTRAL AND PERIPHERAL T CELL TOLERANCE TO PLP OF THE CENTRAL NERVOUS SYSTEM (Abstract 93)

**Wichert Anne, Medical Microbiology, Düsseldorf, Germany**

FUNCTIONAL ANALYSIS OF LYMPHOTOXIN  $\beta$  RECEPTOR-REGULATED EFFECTOR MOLECULES DURING THE IMMUNE RESPONSE AGAINST INTRACELLULAR PATHOGENS (Abstract 94)

**17.30-17.50 COFFEE BREAK**

**18.00 Writing Workshop by Insight Editing London, Lucy Robinson and Kerry McLaughlin**  
Terrific titles & amazing abstract  
*advance registration required*

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**Evening Session**

**21.00 POSTER SESSION E**

**Friday, May 12<sup>th</sup>, 2017**



Networking event (09:30-17:00, 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.

**Archipelago 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 center 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 color 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.

**18:00 Farewell Aperitivo and Awards**

**20:00 Sardinian Dinner**

**Social Evening with DJ**