

Program

May 15 (Sun), 2011

15:00	Registration		
18:00 - 19:30	Welcome Reception		Reception Hall B, 2F
Keynote Lecture 1	Chair: Shigekazu Nagata		Main Hall, 2F
19:30 - 20:15	KN-1 Frances Balkwill Queen Mary University of London, United Kingdom	Tumour necrosis factor or tumour promoting factor?	

May 16 (Mon), 2011

Session 1	Signaling in inflammation I	Chairs: Zhijian James Chen, Jun-ichiro Inoue	Main Hall, 2F
8:30 - 8:55	S1-1 Kazuhiro Iwai Osaka University, Japan	Linear polyubiquitination : A new regulator of TNF- α -mediated NF- κ B activation	
8:55 - 9:20	S1-2 Henning Walczak Imperial College London, United Kingdom	The role of linear ubiquitination in TNF receptor superfamily signalling	
9:20 - 9:35	S1-3 Fumiyo Ikeda (P-002) Goethe University School of Medicine, Germany	A novel linear ubiquitin ligase complex regulating TNF α -induced NF- κ B activity and apoptosis	
9:35 - 10:00	S1-4 Zhijian James Chen University of Texas Southwestern Medical Center, USA	Mechanisms of ubiquitin signaling in inflammation and innate immunity	
10:00 - 10:15	S1-5 Barbel Schrofelbauer (P-013) University of California San Diego, USA	NEMO directs IKK activity towards NF κ B transcriptional control	
10:15 - 10:30	S1-6 Françoise Meylan (P-020) NIH/NIAMS, USA	Divergent roles of TL1A (TNFSF15) in allergic and infectious IL-13 dependent pathology	

10:30 - 10:45 *Coffee Break* Reception Hall B, 2F

Session 2	Signaling in inflammation II	Chairs: Zhenggang Liu, Henning Walczak	Main Hall, 2F
10:45 - 11:10	S2-1 Zhenggang Liu National Cancer Institute, NIH, USA	The role of TRADD in death receptors-mediated signaling and inflammation	
11:10 - 11:35	S2-2 Sergei Nedospasov Engelhardt Institute of Molecular Biology, Russia	Significance of the cellular sources, molecular form and the site of TNF production in health and disease.	
11:35 - 11:50	S2-3 Anna Yarilina (P-016) Hospital for Special Surgery, USA	Reprogramming macrophages by TNF in chronic inflammation	
11:50 - 12:15	S2-4 Shigeaki Kato The University of Tokyo, Japan	The anti-inflammatory action of glucocorticoid in the transrepression of AP-1 is mediated by a polycomb complex and its inactivating methylation of histone	
12:15 - 12:30	S2-5 Akihiko Yoshimura (P-035) Keio University School of Medicine, Japan	Suppression of intestinal innate immunity by PGE ₂ , IL-10 and SOCS1	
12:30 - 12:45	S2-6 Tomohiko Okazaki (P-005) University of Tokyo, Japan	The ASK family discriminates between interferon production and apoptosis in antiviral response	

12:45 - 13:45 *Lunch* Event Hall, B1F

13:45 - 15:15 **Posters 1** Connecting Corridor to the Hotel, 2F

Session 3	Cytokine family	Chairs: Pascal Schneider, Hiroshi Takayanagi	Main Hall, 2F
15:15 - 15:40	S3-1 Pascal Schneider University of Lausanne, Switzerland	EDAR agonists for protein replacement therapy of X-linked ectodermal dysplasia.	
15:40 - 16:05	S3-2 Hiroshi Takayanagi Tokyo Medical and Dental University, Japan	RANKL and osteoimmunology	
16:05 - 16:20	S3-3 Andrey A Kruglov (P-036) German Rheumatism Research Center (DRFZ), Germany	Critical role of soluble LT α produced by LTi cells in intestinal IgA production	

16:20 - 16:45 **S3-4**

CANCELLED

16:45 - 17:00 **S3-5 Ichiro Takada** Epigenetic control by TCR and TGF- β in T cell differentiation
(P-040) Keio University School of Medicine,
Japan

17:00 - 17:15 *Coffee Break*

Reception Hall B, 2F

Session 4 Cytokine in development, and its evolution Chairs: Jules Hoffmann, Masayuki Miura Main Hall, 2F

17:15 - 17:40 **S4-1 Jules Hoffmann** A functional proteomic analysis of the IMD/TNFR pathway in *Drosophila*
IBMC CNRS-University of Strasbourg,
France

17:40 - 18:05 **S4-2 Tatsushi Igaki** Epithelial intrinsic tumor suppression by Eiger/TNF signaling in *Drosophila*
Kobe University Graduate School of
Medicine, Japan

18:05 - 18:30 **S4-3 Marcos Vidal** Conserved dichotomy: TNF as a tumour promoter and suppressor in
Cancer Research UK, United Kingdom *Drosophila*.

18:30 - 18:45 **S4-4 Jorge Caamano** Pre-adipocytes give rise to lymphoid tissue stromal cells upon lymphotoxin
(P-046) University of Birmingham, United
Kingdom beta receptor signaling

18:45 - 19:00 **S4-5 Taishin Akiyama** Roles of TNF receptor family members on development of thymic
(P-049) University of Tokyo, Japan microenvironment required for immunological self-tolerance

19:15 - 20:15 *Dinner*

Event Hall, B1F

May 17 (Tue), 2011

Session 5 Inflammation and cell death Chairs: Ming-Zong Lai, Shin Yonehara Main Hall, 2F

8:30 - 8:55 **S5-1 Xiaodong Wang** Molecular pathway of necrotic death induced by TNF
National Institute of Biological
Sciences, China

8:55 - 9:20 **S5-2 John Silke** Surfing with the IAPS and sucked in by the RIP
The Walter and Eliza Hall Institute,
Australia

9:20 - 9:35 **S5-3 William Joseph Kaiser** RIP1-RIP3 mediate the embryonic lethality of caspase-8-deficient mice while
(P-072) Emory University, USA DAI-RIP3 drive programmed necrosis induced by viral infection

9:35 - 9:50 **S5-4 Lisa M Sedger** TRAIL and killer/death receptor 5 (DR5) regulate T cell receptor-induced
(P-119) The University of Technology Sydney, lymphocyte proliferation to control activation-induced T cell death by FasL/Fas
Australia and regulate T cell homeostasis in vivo.

9:50 - 10:15 **S5-5 Avi Ashkenazi** NEMO and RIP1 control cell fate in response to extensive DNA damage via
Genentech, Inc., USA TNF α feedforward signaling

10:15 - 10:30 **S5-6 Jun Suzuki** Calcium-dependent phospholipid scrambling by TMEM16F
(P-056) Kyoto University Graduate School of
Medicine, Japan

10:30 - 10:45 *Coffee Break*

Reception Hall B, 2F

Session 6 Inflammation and cancer Chairs: Manolis Pasparakis, Hiroyasu Nakano Main Hall, 2F

10:45 - 11:10 **S6-1 Manolis Pasparakis** TNF signalling in chronic inflammation
University of Cologne, Germany

11:10 - 11:35 **S6-2 Tak W. Mak** Dissection of TNF signalling
University Health Network, Canada

11:35 - 11:50 **S6-4 Peter Vandenabeele** Identification of regulatory mechanisms of TNF-induced necroptosis
(P-083) VIB-Ghent University, Belgium

11:50 - 12:05 **S6-5 Emmanuel Dejardin** The hidden function of NIK (NF- κ B-Inducing Kinase) in cell death
(P-075) University of Liege, Belgium

12:05 - 12:20 **S6-6 Jennifer L. Gommerman** Lymphotoxin and CD40: working together to optimize dendritic cell function
(P-150) University of Toronto, Canada

12:20 - 12:25 **TNF2013 Announcement**

12:25 - 13:45	<i>Lunch</i>	Event Hall, B1F
13:45 - 15:15	Posters 2	Connecting Corridor to the Hotel, 2F
Keynote Lecture 2 Chair: Masayuki Miura		Main Hall, 2F
15:15 - 16:00	KN-2 Yoshinori Ohsumi Tokyo Institute of Technology, Japan	Molecular mechanism and physiological functions of autophagy
16:00 - 16:15	<i>Coffee Break</i>	Reception Hall B, 2F
Session 7 Apoptosis and Inflammation ~Memorial Symposium for Prof. Dr. Jürg Tschopp~		Main Hall, 2F
Chairs: Andreas Strasser, David Wallach		
16:15 - 16:45	S7-1 David Wallach Weizmann Institute, Israel	The 'apoptotic' caspases as regulators of inflammation: new lessons about caspase-8 function
16:45 - 17:15	S7-2 Shizuo Akira Osaka University, Japan	Zc3h12a, a zinc finger domain-containing RNase involved in the immune response
17:15 - 17:45	S7-3 Jason Mercer ETH Zurich, Switzerland	Cell biology of poxvirus infection
17:45 - 18:15	S7-4 Andreas Strasser The Walter and Eliza Hall Institute, Australia	The role of NF- κ B in the development of autoimmunity and cancer in FasL/Fas mutant mice
18:30 - 20:30	Banquet	Banquet Hall STELLA (Westin Hotel, 1F)

May 18 (Wed), 2011

Session 8 Inflammation and acquired immunity		Chairs: Alexander Chervovsky, Thirumala-Devi Kanneganti	Main Hall, 2F
8:30 - 8:55	S8-1 Alexander Chervovsky The University of Chicago, USA	The role of Fas (CD95) in autoimmunity and chronic infections.	
8:55 - 9:10	S8-2 Taylor H. Schreiber (P-108) University of Miami Miller School of Medicine, USA	Clonal expansion of induced CD4 ⁺ , FoxP3 ⁺ T regulatory cells by TNFRSF25 signaling requires cognate antigen stimulation	
9:10 - 9:35	S8-3 Thirumala-Devi Kanneganti St. Jude Children's Research Hospital, USA	NLRs in inflammation and disease	
9:35 - 9:50	S8-4 Chengcan Yao (P-114) Kyoto University Graduate School of Medicine, Japan	Prostaglandin E ₂ -cAMP signaling promotes T _H 1 cell differentiation through upregulation of the IL-12 receptor β 2 chain	
9:50 - 10:15	S8-5 Kelly M. Arcipowski University of Iowa, USA	Multiple functions for TRAFs in immune regulation	
10:15 - 10:30	<i>Coffee Break</i>	Reception Hall B, 2F	
Session 9 Inflammation, caspase and innate immunity		Chairs: Peter Vandenabeele, Takashi Suda	Main Hall, 2F
10:30 - 10:45	S9-1 Andrew Oberst (P-129) St. Jude Children's Research Hospital, USA	Catalytic activity of the caspase-8-FLIP _L complex protects cells from RIPK3-dependent necrosis	
10:45 - 11:00	S9-2 Inna N. Lavrik (P-124) DKFZ, German Cancer Research Center	Caspase-8 and c-FLIP in the regulation of life/death decisions at CD95	
11:00 - 11:15	S9-3 Sergio Martin Pontejo (P-102) Centro De Biologia Molecular Severo Ochoa, Spain	TNF immune response challenged by viral TNF decoy receptors	
11:15 - 11:30	S9-4 Mark Boldin (P-088) Beckman Research Institute, City of Hope, USA	MicroRNA-146a is a significant brake on autoimmunity, myeloproliferation and cancer in mice	
11:30 - 11:45	S9-5 Azad M Aziz (P-094) University Of Leeds, United Kingdom	Tumour Necrosis Factor Associated Periodic Syndrome (TRAPS) is associated with unprovoked sustained high levels of proinflammatory cytokines in ex vivo and <i>in vitro</i> models	
11:45 - 12:00	S9-6 Kou Motani (P-127) Kanazawa University, Japan	Caspase-1 induces ASC-mediated necrosis independently of its catalytic activity	
12:00 - 13:00	<i>Lunch</i>	Event Hall, B1F	

Session 10 Drug-design in the inflammation Chairs: Domagoj Vucic, Kazuhiro Iwai Main Hall, 2F

13:00 - 13:25 **S10-1 Domagoj Vucic** Ubiquitin ligases c-IAP1/2 are critical regulators of TNF family signaling
Genentech, Inc., USA

13:25 - 13:50 **S10-2 Shuya Fukai** Structural basis of ubiquitin chain recognition by NZF domains for NF- κ B
The University of Tokyo, Japan activation

13:50 - 14:15 **S10-3 Hao Wu** Crystal structure of IKK β , determinants of kinase activity, specificity and
Weill Cornell Medical College, USA activation

Session 11 Therapeutic application Chairs: Naofumi Mukaida, Kazuyuki Yoshizaki Main Hall, 2F

14:15 - 14:30 **S11-3 Gorazd Hribar** Protein nanoparticles containing TNF- α analogs and their use in anti-cancer
(P-143) National Institute of Chemistry, and anti-TNF therapy
Slovenia

14:30 - 14:45 **S11-4 Naofumi Mukaida** Critical contribution of TNF- α to experimental corneal neovascularization by
(P-137) Kanazawa University, Japan enhancing VEGF and iNOS expression by infiltrating macrophages

14:45 - 15:00 **S11-6 Jonathan D Graves** Targeting TRAIL death receptors in cancer
(P-133) Amgen Inc., USA

15:00 - 15:15 *Coffee Break* Reception Hall B, 2F

Special Lecture Chair: Kazuyuki Yoshizaki Main Hall, 2F

15:15 - 15:55 **SL-1 Tadamitsu Kishimoto** IL-6: All the way to therapy
Osaka University, Japan

15:55 - 16:05 **Concluding Remarks**