

Gene Expression and Signalling in the Immune System

Session 1 STEM CELLS AND EARLY DEVELOPMENTAL DECISIONS

WEDNESDAY 4/26/2006, 7:30 PM

R. Grosschedl

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
1	Pear	Trib2 is a direct transcriptional target of Notch that influences hematopoietic cell self-renewal, fate decisions, and transformation	16
2	Guidos	Lunatic Fringe regulates competition for Delta-like Notch ligands in thymic and splenic marginal zone niches	16
3	Reya	In vivo requirement for β -catenin in hematopoietic stem cell renewal and cancer progression	16
4	Murphy	Canonical Wnt signaling is required for embryonic stem cell-derived mesoderm	16
5	Busslinger	Transcriptional control of B cell identity by Pax5	16
6	Murre	Regulation and function of E-proteins in stem cell homeostasis	16
7	Klug	EBF induction of E2A activity establishes the B cell fate through a self-sustaining regulatory loop	12

Session 2 REGULATION OF IMMUNE CELL DEVELOPMENT

THURSDAY 4/27/2006, 9:00 AM

L. Glimcher

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
8	Littman	Role of Rort in development and homeostasis of the immune system	16
9	Verdin	HDAC7 nucleo-cytoplasmic shuttling during thymocyte differentiation—Regulation by protein kinase D and protein phosphatase 1	12
10	Maurice	The role of c-Myb in CD4 differentiation	12
11	Ellmeier	Negative regulation of Cd8 expression via Cd8 enhancer-mediated recruitment of the zinc finger protein MAZR	12
12	Taniuchi	Roles of Runx proteins during T cell development	12
13	Calame	Multiple roles for Blimp-1 in lymphocytes	16
14	Nutt	Blimp-1 is essential for T cell homeostasis and self-tolerance	12
15	Glimcher	XBP-1 is required for biogenesis of cellular secretory machinery of exocrine glands	16
16	Singh	IRF4 controls isotype-switching and plasma cell generation by regulating Aid and Blimp-1 expression	16

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
17	Abarrategui	Regulation of V(D)J recombination by transcription	
18	Agata	Regulation of allelic exclusion at the TCR β locus by the helix-loop-helix protein, E47	
19	Ahlfors	Novel genes involved in cytokine-driven macrophage and dendritic cell differentiation	
20	Albert	Locus control of the T-cell receptor β gene	
21	Albu	BCL11B controls double positive stage of T cell development	
22	Alex	Identification of interleukin-23 and its role in the immunopathogenesis of rheumatoid arthritis	
23	Alexandropoulos	The novel protein Chat-H is essential for T lymphocyte trafficking and hematopoiesis	
24	Ananieva	Immunomodulatory properties of a novel ribotoxic compound sodium narcistatin	
25	Arenzana	Transcription factor Zfx regulates the homeostasis of mature lymphocytes	
26	Asai	Runx1 negatively regulates terminal B lymphocyte differentiation	
27	Ashworth	Functional analysis of the TFII-I in B lymphocytes	
28	Banerjee	Micro-RNA profiling in CD4 ⁺ T cell differentiation	
29	Bashyam	Natural epitope variants may modulate immune response to secondary dengue infection by inducing functional dichotomy in memory CD8 ⁺ T cell clones	
30	Steimle	Contribution of N-terminal degradation to the transactivation potential of different isoforms of the MHC class II transactivator CIITA	
31	Weinmann	T-bet association with novel target promoters is cell-type independent and results in variable functional consequences	
32	Bertocci	Non-overlapping functions of polX family DNA polymerases, pol μ , λ and TdT in immunoglobulin V(D)J recombination	
33	Bilic	Bioinformatic and molecular biology approaches identify functional transcription factor-binding sites within the <i>Cd8a</i> and <i>Cd8b</i> gene loci	
34	Boothby	Switch/Sucrose Non-Fermenter (Swi/SNF) complex regulation of T helper type 1 development is Stat4-dependent	
35	Braas	Regulation of nucleosome remodeling at a defined class of LPS-induced genes	
36	Brennan	A mathematical model integrating prognostic markers and intracellular signaling in chronic lymphocytic leukemia cells	
37	Brunner	BOB.1/OBF.1 is a critical regulator of T helper cell function	
38	Buerckstuemmer	Physical and functional map of the virus-induced toll-like receptor signaling pathways	

- 39 Burchill Distinct cytokines govern IL-2R β dependent regulatory T cell development, homeostasis and function
- 40 Cadera NF- κ B and receptor editing
- 41 Radermacher Thymocyte negative selection is mediated by PKC- and Ca²⁺-dependent transcriptional induction of Bim
- 42 Carabana Definition of a TCR β locus chromatin domain
- 43 Cejas TNF receptor-associated factor 6 limits Th2 immune responses
- 44 Rottapel The 3BP2 adapter protein controls proliferation and survival signals within the marginal zone B cell compartment
- 45 Wang Proteasome-dependent down-regulation of activated STAT5A in the nucleus
- 46 Chi Dynamic regulation of pro- and anti-inflammatory cytokines by MKP-1 in TLR-mediated innate immune responses
- 47 Serfling Autoregulation of NFATc1 synthesis in T cells—Mechanisms and implications
- 48 Cimmino The regulation of Blimp-1 expression in T cells
- 49 Cochrane The regulation and role of Id1 in hematopoiesis
- 50 Collins The role of ThPOK in CD4-CD8 T cell lineage commitment
- 51 Corcoran Contributions of octamer-binding transcription factors to humoral immunity
- 52 Corse Mechanisms of in vivo costimulation
- 53 Cravens The role of T-bet in the regulation of immune-mediated demyelinating disease
- 54 Cui Differential usage of IRF1 and IRF2 mediates TLR3 expression during different phases of cellular antiviral activities
- 55 Punt Differential phosphorylation of Nur77 in T cell development
- 56 Colgan Role of the prolyl isomerase cyclophilin A in atopic immune responses
- 57 DeKoter The IL-7 receptor α promoter is regulated by the ETS transcription factors PU.1 and GABP during B cell development
- 58 Dienz Loss of MLK3 expression promotes the Th2 differentiation in CD4⁺ T
- 59 Ye STAT3 activation in normal germinal center response and the activated B cell subtype of diffuse large B-cell lymphoma
- 60 Dinh Gene expression analysis of macrophage differentiation
- 61 Distelhorst Bcl-2 inhibits apoptosis-inducing Ca²⁺ transients triggered by strong TCR activation but does not interfere with sustained Ca²⁺ oscillations and NFAT activation following weak TCR activation
- 62 Michel TCR induces LAT-dependent activation of a negative signaling complex involving Dok-2, SHIP-1 and Grb-2

63	Dzhagalov	A requirement for the anti-apoptotic protein Mcl-1 in the maintenance of mature granulocytes
64	Egawa	The role of Runx proteins in T cell development
65	Fang	Notch and helper T cell differentiation
66	Featherstone	Characterization of a novel mouse immunoglobulin heavy chain locus V-D intergenic sequence—A role in ordered V(D)J recombination?
67	Fernandez	UR-1505, a new immunomodulator inhibits lymphocyte proliferation and cytokine production through NF-AT inhibition
68	Ferrell	The role of Bright in human B cell development
69	Feske	A mutation in Orai1 causes immune deficiency by abrogating store-operated Ca ²⁺ entry and CRAC channel function
70	Filén	Determination of interleukin-4 regulated proteins in the microsomal fraction of CD4 ⁺ cells by using isotope-coded affinity tags
71	Lahesmaa	A novel gene involved in the early regulation of human Th1 differentiation
72	Franchini	Control of TCR β gene rearrangement by recombination signal sequences (RSS)
73	Franco	H2AX prevents DNA breaks from progressing to chromosome breaks and
74	Sperandio	Leukocyte rolling is dramatically impaired in GDP-fucose-transporter deficient mice
75	Nowling	Expression and regulation of Fli1 in lymphocytes
76	Fuxa	Developmental regulation of immunoglobulin gene rearrangements in fetal liver and bone marrow
77	Gallo	The calcineurin complex transcriptionally modulates the threshold for ERK activation in developing DP thymocytes
78	Garaude	The ERK5 pathway protects leukemic T cells from apoptosis by activating NF- κ B
79	Litherland	GM-CSF dysregulation of STAT5 in autoimmune myeloid cells
80	Gavin	The genetic program initiated by Foxp3—Regulatory T cell development, function and homeostasis
81	Gazumyan	The role of Ig β tyrosine residues in B cell receptor internalization and signaling
82	Gentry	Regulation of NFAT by the ubiquitin E3 ligase, TRAF6
83	Gocke	Transcriptional regulation of TH2 related genes by PPAR α
84	Gottar	Expanding the intracellular signaling pathway of TNF α
85	Swat	Vav1 controls NKG2D-DAP10-mediated NK cell synapse formation and natural
86	Green	CIITA promoter III silencing during B cell differentiation
87	Grewal	Protein glycosylation by ST6Gal-I suppresses CD22-dependent antigen receptor endocytosis and Shp-1 recruitment in normal and pathogenic immune signaling

88	Grunberger	Qualitative and quantitative assessment of signaling cascades in immune cells
89	Gruper	Runx3 regulates TGF β signaling during B cell development
90	Roman	Pre-BCR signaling activity can be uncoupled from surface expression
91	Zhong	Synergistic control of T cell development and anergy by diacylglycerol kinase α and ζ
92	Guthridge	Dysregulation of the IL-6 gene expression network in B cells derived from Lupus
93	Gwack	A genome wide screen for identification of regulators of NFAT
94	Tuomela	Integration of molecular cytogenetic and transcriptomic data reveals Th1 response and cytotoxicity genes to be downregulated in cutaneous T-cell lymphoma
95	Hammerbeck	Reversal of activation-induced nonresponsiveness of CD8 T cell by IL-7
96	Ortiz	The TCR- α locus control region specifies thymic, but not peripheral, patterns of TCR- α gene expression
97	Hasegawa	PEP protein tyrosine phosphatase regulation of effector/memory T cells
98	Hashimshony	Regulation of the pre-B cell developmental checkpoint by IRF-4 and IRF-8
99	Hottiger	Acetylation of poly(ADP-ribose) polymerase-1 by p300/CBP regulates coactivation of NF- κ B-dependent transcription
100	He	Functional interaction between Pax5 and p300
101	Hemmers	The role of the peptidylarginine deiminase 4 (PAD4) in the control of Th cell cytokine gene expression
102	Hill	Arginine methylation role in mast cell cytokine production
103	Kotlyarov	Regulation of TTP expression and activity by p38/MK2 pathway plays a pivotal role in the TNF α production
104	Atchison	Epigenetic marks define dual B cell-macrophage potential
105	Horai	A novel CD8 lineage development in mice lacking the Tec kinases Itk and Rlk
106	Hoya-Arias	Inflammatory and mitogenic stimulation of IL-6 gene expression relies on different enhanceosome dynamics
107	Hsu	IL-2 receptor β chain intracellular domain delivers a cell fate switching signal in common lymphoid progenitors

Session 4 CHROMATIN STRUCTURE AND EPIGENETIC REGULATION

THURSDAY 4/27/2006, 7:30 PM

R. Flavell			
#	Iname	Title	Talk Length
	Rajewsky	Assessing RNA interference in T and B cells (TITLE ONLY)	16
108	Tarakhovskiy	Histone mimicry by a histone methyltransferase	16
109	Zhao	Comprehensive characterization of a human T cell epigenome	12

110	Merkenschlager	The RNase III enzyme dicer in T cell development	16
111	Bergman	Epigenetic regulation of Igκ gene rearrangement during B cell development	16
112	Jia	Locus activation of T cell receptor Vβ gene is uncoupled from allelic exclusion	12
113	Krangel	Regulation of V(D)J recombination by promoter activation and germline transcription	16

Session 5 ANTIGEN RECEPTOR GENE ASSEMBLY, SOMATIC

FRIDAY 4/28/2006, 9:00 AM

M. Schlissel

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
114	Schlissel	The regulation of V(D)J recombinase activity and receptor editing in the mouse Igκ	16
115	Martensson	Heavy chain allelic exclusion and repertoire selection in B cells developing in mice lacking surrogate and conventional light chains	12
116	Neuberger	Antibody gene diversification—Generation and excision of uracil	16
117	Schatz	Strand biased repair of cytidine deamination during somatic hypermutation	16
118	Alt	NHEJ and the double-strand break response in IgH class recombination and	16
119	Nussenzweig	Switching on chromosome translocations	16
120	Kenter	Long range interactions between germline transcript regulatory elements contributes to S/S synapsis during class switch recombination	12
121	Stavnezer	The histone methyltransferase Suv39h1 increases class switch recombination specifically to IgA	12

Session 6 POSTER SESSION II

FRIDAY 4/28/2006, 2:00 PM

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
122	Hu	<i>Foxp1</i> is a key transcriptional regulator of B cell development	
123	Roman	Mitf related transcription factors TFE3 and TFEB are critical for CD40L expression and thymus-dependent humoral immunity	
124	Huang	Molecular control that regulates IL-4 expression in eosinophils and monocytes	
125	Chen-Kiang	p27 ^{Kip1} controls B cell activation by both inhibiting S phase entry and promoting DNA replication in antigen receptor signaling	
126	Huang	IP ₄ is essential for TCR signaling during positive selection	
127	Ikawa	Genetic networks regulated by E-proteins and Notch signaling in T-cell lineage specification	
128	Ince	Essential role of T cell TGFβ signaling for helminthic modulation of cytokine production in gastrointestinal mucosa	
129	Intlekofer	Programming of memory CD8 ⁺ T cells by eomesodermin	

130	Ismail	Commensal bacteria drive damage-induced KGF expression in mucosal $\gamma\delta$ intraepithelial lymphocytes
131	Jeffrey	Positive regulation of immune cell function and inflammatory responses by PAC-1 (dual specificity phosphatase 2)
132	Jin	Phosphorylation of NF- κ B1/p105 by oncoprotein kinase Tpl2—Implications for a novel mechanism of Tpl2 regulation
133	John	Ets-1 inhibits Blimp-1 DNA binding to block plasmacytic differentiation and IgM
134	Jones	Dissecting E2A function in B cell development with an inducible E2A knockin allele
135	Matthias	OBF-1 and Aiolo are critical at the preB to immature B cell transition in lymphocyte development by controlling transcription and nuclear repositioning of the lambda 5 gene locus
136	Kasler	HDAC7 regulates an extensive cassette of signaling molecules important in developing T-cells
137	Kim	Nod2 is a negative regulator of IL-1 signaling by inhibiting activation of TAK1
138	Kirchhof	How is TCR signaling sustained?
139	Kisseleva	Fibrocytes migrate from the bone marrow to the injured liver
140	Klatt	A role for NELF and Pcf-11 in regulating transcriptional elongation and repression of HIV transcription in monocyte/macrophages
141	Spurkland	Expression of SH2D2A in T cells is regulated both at the transcriptional and translational level
142	Galande	Functional interaction between PML and SATB1 regulates chromatin loop architecture and transcription of the MHC class I locus
143	Eldering	The Noxa/Mcl-1 axis regulates susceptibility to apoptosis under glucose limitation in dividing T cells
144	Lagos	The immune profile of lymphatic endothelial cells and its regulation by Kaposi sarcoma herpesvirus
145	Lai	Lymphoid specification occurs in multipotent hematopoietic progenitors prior to lymphoid lineage commitment
146	Rogge	Chromatin remodeling by the SWI/SNF-like BAF complex and STAT4 activation synergistically induce IL-12R β 2 expression during human Th1 cell differentiation
147	Li	LIM domain binding protein 1(Ldb1) is required for the maintenance of adult hematopoietic stem cells
148	Li	Initiation of V(D)J recombination in zebrafish (<i>D. rerio</i>) ovaries
149	Li	The mismatch repair protein Msh6 influences the in vivo aid targeting to the Ig locus
150	Nikolajczyk	The IL-1 β gene is transcribed from a poised promoter architecture in monocytes
151	Libri	An RNAi approach to study Jamip1 function in cytotoxic T lymphocytes

152	Belkina	PKC- δ 's independence of activation loop phosphorylation—Structural basis and limitations of in vivo function
153	Pykäläinen	Novel genes and mechanisms involved in the regulation of Th cell differentiation
154	Ma	Interferon regulatory factor 4 and 8 negatively regulate surrogate light chain expression in pre-B cell development
155	Mackey-Cushman	Construction and characterization of a FoxP3 fusion protein with inducible activity
156	Maillard	Canonical Notch signaling is dispensable for the maintenance of adult hematopoietic stem cells
157	Boss	Novel regulatory and architectural elements control chromatin reorganization within the human major histocompatibility complex class II region
158	Maltzman	SLP-76 is required for TCR signal transduction in primary peripheral T cells
159	Manilay	A quantitative systems biology approach to study cell fate decisions in the immune
160	Marçais	Maintenance of RANTES mRNA stores by memory CD8 T cells is dependent on cell autonomous transcription and is coupled to increased mRNA stability
161	Martins	Blimp-1 is required for control of peripheral T cell function
162	Matthews	An essential role for PKD family kinases in the regulation of Class II histone deacetylases in B lymphocytes
163	Matza	A giant protein, AHNAK is required for calcium signaling during T cell activation
164	McAleer	Lipopolysaccharide enhances T cell survival via MyD88 and effector function via dendritic cells
165	McBride	Regulation of hypermutation and class switch recombination by aid phosphorylation
166	McDonald	Analysis of the Th2-specific intergenic transcription in the human Th2 cytokine locus
167	Mendez	BCL6 autoregulation has a unique corepressor requirement
168	Miceli	The D1gh1 maguk coordinates Lck/ZAP70 mediated "alternate" p38 activation, specifically linking TCR engagement to upregulation of the NFAT, but not the NFkB,
169	Swat	Vav links the T cell antigen receptor to the actin cytoskeleton independently of the intrinsic guanine nucleotide exchange activity
170	Mirotsov	Ht-RNAi based assay for identification of inflammation relevant targets
171	Miyatake	Regulation of DNA replication in Th2 cytokine locus
172	Monticelli	Gene expression in the immune system—Transcription factors and microRNAs
173	Moon	Reactive oxygen species (ROS) regulate BAFF expression
174	Muljo	Regulation of gene expression by endogenous small double-stranded RNAs
175	Nelson	Innate immune recognition of iron chelation by microbial siderophores
176	Lassila	Loss of Pax5 promotes plasma cell differentiation

177	Nie	Combinatorial effects of Notch signaling and MAP kinase activities determine B versus T lineage choice
178	Nikula	Mononuclear cells from patients with type 1 diabetes have altered gene expression in response to T cell activation
179	Rautajoki	Discovery of novel STAT6 binding sites in STAT6 regulated genes during the initial stages of human Th2 differentiation
180	Norio	Regulation of DNA replication in initiation across large domains of the mouse immunoglobulin heavy chain locus during B cell development
181	Nurieva	Costimulation requirements for T cell activation and tolerance
182	Nusinzon	Positive and negative regulation of the innate antiviral response and interferon β gene expression by deacetylation
183	Rian	Wnt3A activates canonical Wnt signaling and inhibits proliferation of acute lymphoblastic leukemia cells
184	Oak	Deletion of class IA phosphoinositide 3-kinase leads to dysregulation of T cell tolerance and the development of primary Sjögren's Syndrome
185	Ochiai	Regulation of Blimp-1 gene by Bach2 in B cell differentiation
186	Borggreffe	RBP-Jkappa-SHARP recruit corepressors CtIP/CtBP to silence Notch target genes
187	Otipoby	Expression of the B cell antigen receptor serves as a 'master-regulator' of B cell proliferation
188	Page	A role for Brutons tyrosine kinase in interleukin-10 signaling
189	Papoutsopoulou	The role of ABIN (A20-binding inhibitor of NF-kB)-2 in NF-kB and ERK activation in macrophages
190	Bommhardt	Modulation of calcineurin/NFAT signaling by PKB tunes β -selection of thymic T cell precursors
191	Patra	Calcineurin and protein kinase B (PKD)—An interplay between a phosphatase and a kinase in thymocyte development
192	Patterson	The B cell receptor promotes B cell activation and proliferation through a non-ITAM tyrosine in the Ig α cytoplasmic domain
193	Pavlicek	RAG1-induced DNA bending at recombination signal sequences—Implications in V(D)J recombination initiation
194	Pongubala	Directing B cell-fate choice in multipotent hematopoietic progenitors
195	Quackenbush	Intravital microscopy of murine intra- and extraembryonic tissues
196	Savan	Evolution of the interferon γ gene
197	Ranuncolo	BCL6 licenses germinal center formation and lymphomagenesis by direct transcriptional repression of ATR
198	Fugmann	An ancient evolutionary origin of the Rag1/2 gene locus

199	Rautajoki	Identification of pathways involved in the IL-4 induced inhibition of caspase 3 in activated naïve human CD4 ⁺ T cells
200	Skok	Developing B cells from pre-BCR signaling deficient mice have prolonged locus contraction and fail to reposition IgH loci at centromeric heterochromatin
201	Reizis	Zfx, a novel transcriptional regulator of hematopoietic stem cell maintenance and of early lymphocyte development
202	Robichaud	Functional characterization of Pax-5 isoforms in human B lymphocytes through the use of enhanced ribozyme technology
203	Roessler	A complex regulatory network of Ebf and Pax5 gene expression in early B
204	Rogers	The genesis and exaptation of V(D)J recombination
205	Rothlin	TAM receptors signaling in dendritic cells negatively regulate innate immune

Session 7 SIGNAL TRANSDUCTION IN IMMUNE CELLS

FRIDAY 4/28/2006, 7:30 PM

D. Cantrell

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
206	Davis	T cell recognition—Ligand counting, thresholds and membrane structure	16
207	Shaw	Signaling in the immunological synapse	16
208	Schwartzberg	Regulation of the Th2 cytokines and humoral immunity by SAP	16
209	Okkenhaug	The p13K p110δ contributes to TCR signaling and CD4 ⁺ T cell differentiation	12
210	Crabtree	Mapping and modeling a genetic circuit of lymphocyte signaling	16
211	Rao	Regulation and function of the transcription factor NFAT	16
212	Rincon	NFAT mediates IL-2 expression in memory, but not in naïve CD4 ⁺ T cells	12
213	Thompson	Lymphocyte metabolism is controlled by complementary signal transduction pathways initiated from the TCR and costimulatory receptors	16

Session 8 REGULATION OF LYMPHOCYTE FUNCTION I

SATURDAY 4/29/2006, 9:00 AM

G. Griffiths

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
214	Koretzky	Adapters and enzymes as regulators of T cell activation	16
215	Griffiths	Polarized secretion at the immunological synapse—How does it work?	16
216	Batista	A novel spreading and contraction response enhances B cell ligand discrimination	12
217	Osborne	The role of Notch signaling in peripheral T cell responses	12
218	Reiner	Making daughters different during immunity	16
219	Dong	A novel lineage of inflammatory helper T cells	12

220	Mak	Cell death in the immune system	16
221	O' Reilly	Modifications of the BH3-only protein Bim—Differing effects of mitogenic or apoptogenic stimuli	12

Session 9 REGULATION OF LYMPHOCYTE FUNCTION II

SATURDAY 4/29/2006, 2:00 PM

D. Mathis

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
	Mathis	Molecular control of anti-self responses (TITLE ONLY)	16
222	Rudensky	Molecular program of regulatory CD4 T cell development	16
223	Hilton	Negative regulators of cytokine signaling	16
224	Suzuki	IRAK-4 is indispensable for T cell activation—A shared mediator between TLR and TCR signaling	12
225	Kioussis	Imaging the development of the lymphoid system	16
226	von Andrian	T cell activation and regulation in lymph nodes	16

Session 10 POSTER SESSION III

SATURDAY 4/29/2006, 4:00 PM

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
227	Schmidt-Supprian	Canonical NF-kB signals in B lymphocyte physiology and tumorigenesis	
228	Cousins	Development of an IL-10 producing T-cell lineage from human naïve T-cells requires both IL-4 and IL-10	
229	Savitsky	B-1 B lymphocytes require Blimp-1 for immunoglobulin secretion	
230	Schebesta	B-cell-specific gene regulation by Pax5	
231	Schlimgen	Chromosomal conformation of the Tcra locus in developing thymocytes	
232	Schoenborn	Identification of distal regulatory elements that govern antigen-specific IFN- γ production in vivo	
233	Schweitzer	Spi-C has opposing effects to PU.1 on gene expression in pro-B cells	
234	Shambharkar	T cell receptor induced phosphorylation and ubiquitination of the IKK complex is controlled by two distinct signaling pathways	
235	Webb	Inappropriate expression of the transcription factor Bright in transgenic mice results in breaks in B cell tolerance	
236	Sharma	Genome wide RNAi screening in <i>Drosophila</i> identifies DYRK family kinases as negative regulators of NFAT signaling	
237	Yap	Feedback regulation of adaptive Th1 immunity—IL-12/Tyk2 driven IFN- γ reactivates IL-10 expression	

238	Perumal	Computational identification and analysis of transcriptional control elements involved in the differentiation and maturation of dendritic cells
239	Shin	Notch1 augments NF-kB activity by facilitating its nuclear retention
240	Spicuglia	Functional characterization of the TCR β core enhancer of V(D)J recombination
241	Sant'Angelo	Positive selection involves cells undergoing extensive proliferation and is completed by the DP CD69 ⁻ HAS ^{hi} stage
242	Su	Polycomb group protein Ezh2 controls actin related function in dendritic cells
243	Sumen	Dynamic in vivo tracking of peptide antigen on dendritic cells
244	Gjerstad	The adapter protein TSAAd modulates Lck activity through the Lck SH2 domain binding of TSAAd Y280, Y290 and Y305 residues
245	Litherland	STAT5 dysfunction in autoimmune myeloid cells
246	Ta	Role of V(D)J recombination in SLP-65 deficiency pre-B cell leukemia formation
247	Tahvanainen	Enrichment of nucleofected primary human CD4 ⁺ T cells—A novel and efficient method for studying gene function and role in human primary T helper cell
248	Tahvanainen	SIP1, a novel STAT6 interacting protein regulates STAT6 and human Th2 cell differentiation
249	Tan	Role of Lunatic Fringe in peripheral B cell development and homeostasis
250	Tantin	Oct-1/Pou2f1 integrates stress response, oxidative status, and carcinogenesis
251	Tarasenko	SHIP is required for an efficient Th2 response in T cells
252	Teng	Role of miRNAs in regulation of antibody diversification
253	Thal	EBF induction of E2A activity establishes the B cell fate through a self-sustaining regulatory loop
254	Tundup	PE/PPE family of <i>M. tuberculosis</i> —Genomic organization and the role of a representative operonic pair (Rv2430c and Rv2431c) in immune modulation and
255	Tuomela	Characterization of a novel signaling pathway leading to Th2 cell differentiation
256	Van Dyken	Control of CD8+ T cell homeostasis by ST3Gal-I protein sialylation
257	van Loo	The effect of enforced expression of pre-B cell receptor components during B cell development
258	Vogtenhuber	FoxP3 transgene expression rescues IL-2R β deficient mice from lymphoproliferative disease and restores a functional regulatory T cell population
259	Birshtein	Evidence for physical interaction between the IgH variable region and the 3' regulatory region
260	Walsh	Analysis of the signaling mechanism driving TRAF6-mediated IKK and MAPK activation following IL-1R/TLR ligation
261	Dinner	Control of lineage stability and its role in resolving cell fates

262	Williams	Mechanisms of NF- κ B c-Rel specificity in the innate immune response
263	Willoughby	Regulatory T cells escape the positive selection defects observed in TCF deficient
264	Woodland	Signaling pathways effecting BLYS dependent B cell survival
265	Woodward	Identification of novel regulatory genes involved in the thymocyte apoptosis
266	Yang-Yen	Requirement of TCTP for T cell survival in the peripheral lymphoid organs but not during T cell development in the thymus
267	Xiao	Thymic selection and characterization of abnormal T cells in Foxn1 ^{Δ/Δ} mutant
268	Xu	DNA methylation analysis of lineage-specific genes in embryonic and hematopoietic stem cells
269	Huang	Histone deacetylase inhibition alters TLR4-mediated macrophage and dendritic cell function and specifically affects Th1 but not Th2 effector T cell activation
270	Yamane	Activation of p38 MAP kinase plays a crucial role in early GATA-3 expression and IL-4 production by naïve CD4 ⁺ T cells
271	Yang	Genetic determinants of inter-strain variability following systemic LPS challenge
272	Yang	Interleukin-2 receptor-dependent STAT5 activation is required for regulatory T cell development
273	Yarovinsky	TLR11 recognition renders <i>T. gondii</i> profilin into an immunodominant antigen in the CD4 ⁺ T cell response to the parasite
274	Yu	STAT4 protects the IL-18R α gene from DNA methylation during Th1 differentiation
275	Zhang	Pax5/BSAP interferes p53 function and protects cells from DNA damage induced apoptosis
276	Yuan	Lunatic Fringe modulates Notch sensitivity to Delta-like ligands in the thymus
277	Zarrin	Replacement of switch region function in antibody class switching by a site-specific DNA break
278	Zhang	Regulation of toll-like receptor signaling by the Fas-associated death domain
279	Zhang	Anti-apoptotic protein c-FLIP long isoform is required for CD8 ⁺ T cell function
280	Zhao	p38 targets IL-6 are to regulate mRNA translation and stability
281	Zheng	Foxp3 expression correlates with chromatin remodeling of the Foxp locus in regulatory T cells
282	Zhou	Defining and characterizing the earliest B lineage cell fractions in mouse bone
283	Zhu	Inactivation of the SOCS3 gene in skin induces psoriasis

Session 11 INNATE IMMUNITY

SUNDAY 4/30/2006, 9:00 AM

S. Smale

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
284	Akira	The roll of toll-like receptors and cytoplasmic RNA helicases in viral recognition	16
285	Ghosh	Mechanisms of signal transduction in innate immunity and inflammation	16
286	Baltimore	Regulation of the immune response through NF- κ B	16
287	Saccani	Control of NF- κ B-dependent gene expression in the absence of MyD88 signaling	12
288	Medzhitov	TLR-mediate control of gene expression	16
289	Silverman	Innate immune recognition and signaling in <i>Drosophila</i> —Two receptors for monomeric DAP-type peptidoglycan and two pathways of IKK-mediated regulation of	12
290	Tschopp	Gout-associated uric acid crystals activate the NALP3 inflammasome	16
291	Taniguchi	Regulation of gene expression in APCs and T cells by the IRF family transcription	16