

Molecular & Immunological Approaches to Vaccine Design [2007]

Session 1 CD4 T CELL SUBSETS AND IMMUNITY

THURSDAY 11/29/2007, 7:30 PM

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
1	Hasenkrug	T cell regulation and post-exposure vaccination	25
2	Ivanov	ROR γ t and Th17 differentiation	25
3	Cooper	The role of IL-23 in the generation and maintenance of peripherally-located IL-17-producing memory CD4 T cells	25

Session 2 GENERATING PROTECTIVE IMMUNE MEMORY

FRIDAY 11/30/2007, 9:00 AM

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
4	Seder	The quality of a Th1 response determines protection	25
5	Dutton	Mechanisms of protection against heterosubtypic influenza virus challenge	25
6	Swain	Multifunctional CD4 T memory cells protect against influenza (adaptive immunity)	25
7	Belz	Killer T cell response to influenza—Disparate dendritic cell stimulation of naïve and memory cells	12
8	Jelley-Gibbs	CD4+ T cell memory of prior flu infections modify new T cells responses to subsequent flu infections	12

Session 3 POSTER SESSION I

FRIDAY 11/30/2007, 2:00 PM

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
9	Al-Hasani	Vaccine development in fowl cholera	
10	Belz	Killer T cell response to influenza—Disparate dendritic cell stimulation of naïve and memory cells	
11	Buchan	Induction of clinically relevant WT1-specific T-cell responses by DNA vaccination	
12	Cullen	The application of genome sequencing, whole-genome microarrays and proteomics for leptospirosis vaccine development	
13	Faisal	DNA vaccine for leptospirosis	
14	Faul	Interferon- β as a molecular adjuvant in a rhabdoviral HIV-1 vaccine vector	
16	Jelley-Gibbs	CD4+ T cell memory of prior flu infections modify new T cells responses to subsequent flu infections	
17	Kajaste-Rudnitski	A pilot study on immune responses to annual influenza vaccine among health care workers to identify correlates of protection	

18	Kesik-Brodacka	Inclusion bodies from recombinant bacteria as a novel system for delivery of vaccine antigen
20	Lemckert	Immunogenicity of recombinant adenoviral vectors derived from human subgroup B and D in mice
21	Manning	Improvement of vaccine efficacy by induction of MHC class I expression on deficient tumor cells via epigenetic activation of antigen processing machinery components
22	Mustafa	Characterization of human cellular immune responses to identify new vaccine candidates from genomic regions of <i>M. tuberculosis</i> deleted in <i>M. bovis</i> BCG vaccines
23	Novotny	Chinchilla nasal mucosa dendritic cells migrate to nasal-associated lymphoid tissues after intranasal immunization with a nontypeable <i>H. influenzae</i> P5-derived immunogen
24	Ranallo	Live attenuated <i>vifG(icsA)</i> -based second generation <i>Shigella</i> vaccines—Construction and testing in animal models
25	Applequist	Intra-nasal DNA vaccination using flagellin-expressing plasmids elicits mucosal immune responses
27	Salek-ardakani	Molecular plasticity for protective anti-viral immunity—Vaccinia virus-reactive CD8 cells required OX40
28	Sellman	Detectable expression of SdrG in <i>S. epidermidis</i> is dependent on signals in vivo
29	Shalaby	Investigating the efficacy and immune mechanisms of Protollin™ as a novel asthma therapy
30	Walczak	Regulatory T cells and the immunotherapy of cervical cancer

Session 4 EFFECTOR MECHANISMS AGAINST INFECTIOUS AGENTS

FRIDAY 11/30/2007, 7:30 PM

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
31	Rocha	CD8 differentiation is tailored by different pathogens	25
32	Sher	Mycobacterial granuloma formation and maintenance as revealed by intravital imaging	25
33	Schoenberger	The TRAIL from T help to CD8+ T cell memory	25
34	Salek-ardakani	Molecular plasticity for protective anti-viral immunity—Vaccinia virus-reactive CD8 cells required OX40	12

Session 5 ADJUVANTS FOR IMPROVED VACCINES

SATURDAY 12/1/2007, 9:00 AM

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
35	Coffman	HEPLISAV—Clinical development of a Hepatitis B vaccine using an immunostimulatory oligodeoxynucleotide adjuvant	25
36	Davis	CpG ODN TLR9 agonist as adjuvant for prophylactic and therapeutic vaccines	25
37	Shaw	Toll-like receptor ligands as components of vaccines	25
38	Beverley	Virtual screening for adjuvant discovery	25

40 Manning Improvement of vaccine efficacy by induction of MHC class I expression on deficient tumor cells via epigenetic activation of antigen processing machinery components 12

Session 6 APPLICATION OF NEW TECHNOLOGIES TO DIFFICULT DISEASES I SATURDAY 12/1/2007, 2:00 PM

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
	Jansen	Title only: Discovery and development of a meningococcal type B vaccine	25
41	Sellman	Detectable expression of SdrG in <i>S. epidermidis</i> is dependent on signals in vivo	25
42	Dorrell	Modulation of T cell responses to HIV-1 by therapeutic vaccination	25
44	Lemckert	Immunogenicity of recombinant adenoviral vectors derived from human subgroup B and D in mice	12

Session 7 APPLICATION OF NEW TECHNOLOGIES TO DIFFICULT DISEASES II SUNDAY 12/2/2007, 9:00 AM

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
45	Draper	Development of viral vector liver- and blood stage malaria vaccine candidates	25
46	Mustafa	Characterization of human cellular immune responses to identify new vaccine candidates from genomic regions of <i>M. tuberculosis</i> deleted in <i>M. bovis</i> BCG vaccines	12
47	Buchan	Induction of clinically relevant WT1-specific T-cell responses by DNA vaccination	12

Session 8 VACCINES IN THE YOUNG AND THE OLD SUNDAY 12/2/2007, 10:30 AM

<u>#</u>	<u>Iname</u>	<u>Title</u>	<u>Talk Length</u>
48	Belnoue	In vivo plasmablast survival deficiency in early life bone marrow—APRIL, a critical piece of the puzzle	25
49	Grubeck-Loebenstein	Immunity in the old	25
50	McElhaney	Influenza vaccination--Establishing correlates of protection in older adults	25
51	Kajaste-Rudnitski	A pilot study on immune responses to annual influenza vaccine among health care workers to identify correlates of protection	12