Thursday, April 15

times	refer to	CEST
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8:25 h	Opening remarks: Andreas Radbruch			
8:30 h	Keynote Lecture Tanja Lange The role of sleep for neurobehavioral & immunological memory Chair: Andreas Radbruch			
Session I	Memory maintenance: Resident or on the move, resting or active? Chair: Koji Tokoyoda			
9:15 h	Andreas Radbruch	Maintenance of immunological memory in the bone marrow		
9:40 h	Francesca Di Rosa	Revisiting T cell proliferation in mice and humans by the TDS assay		
break				
10:20 h	Jun Dong	Resident and resting— human bone marrow memory T lymphocytes maintain efficient long-term memory for systemic pathogens		
10:45 h	Shiki Takamura	Maintenance of tissue-resident memory CD8 ⁺ T cells in the lung		
11:10 h	Peter Jani	The miR-221/222 gene cluster contributes to quiescence of hematopoietic stem cells		
11:35 h	Klaas van Gisbergen	The identification of precursors of tissue resident memory T cells		
break				
Session II	Education towards tolerance and memory Chair: Julia Polansky			
12:45 h	Shimon Sakaguchi	Conversion of effector/memory T cells into Tregs for anti- gen-specific immune suppression		
13:10 h	Chiara Romagnani	Cytomegalovirus induces stable oligoclonal expansions of epi- genetically remodeled adaptive NK cells		
break				
Session III Part I	Immune memory and vaccine against SARS-CoV-2 Chair: Chiara Romagnani			
13:50 h	Petra Bacher	Pre-existing T cell memory as a potential risk factor for severe COVID-19?		
14:15 h	Michel Nussenzweig	Human antibodies to SARS-CoV-2 and its variants		

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Session III Part II	Immune memory and vaccine against SARS-CoV-2 Chair: Chiara Romagnani		
7:00 h	Yu Alex Kato	Adaptive immunity and immune memory to SARS-CoV-2 after COVID-19	
7:25 h	Lucie Loyal	The role of cross-reactive CD4 ⁺ T cells in immune responses upon SARS-CoV-2 infection and vaccination	
7:50 h	Marta Ferreira-Gomes	In severe COVID-19, SARS-CoV-2 induces a TGF-β-dominated chronic adaptive immune response that not directed against itself	
8:15 h	Leif-Erik Sander	SARS-CoV-2 infection induces a profibrotic macrophage profile and lung fibrosis	
		break	
Session IV	Education of immun Chair: Reinhold Schmic	e system by microbiota It	
9:00 h	Hyun-Dong Chang	Regulation of adaptive immunity by bacteria of the intestine	
9:25 h	Hiroshi Kiyono	Microbiota-dependent immunogenicity of cold-chain and needle-free oral vaccine MucoRice-CTB	
9:50 h	Daisuke Kitamura	Pathogenic antibody production by microbiota in an IgA nephropathy mouse model	
Session V	Evading pathogen Chair: Gerd R. Burmeste	er	
10:15 h	Koji Tokoyoda	Salmonella escapes from immune memory	
10:40 h	Masato Kubo	Different immunodominance of influenza virus between infection and vaccination.	
		break	
Session VI	Bad memories Chair: Hiroshi Kiyono		
11:20 h	Damon Tumes	The vaccines BCG and DTP induce different programs of trained immunity in mice	
11:45 h	Pierre Miossec	IL-17 and inflammation chronicity: key contribution of local immune-stromal cell interactions	
12:10 h	Christina Zielinski	To stay or not to stay – regulation of tissue resident T cells in humans	
12:35 h	Toshinori Nakayama	Memory-type pathogenic Th2 (Tpath2) cells in airway inflammation	
13:00 h	Closing remarks: Hiroshi Kiyono		