

International Work shop:  
**Lymphocyte kinetics in health and disease**  
 19 - 20 May 2008  
 Regent's College Conference Centre, London, UK

\* = speaker to be confirmed. Tea and coffee will be available on arrival both days.

		Session	Theme / Title	Speaker		
<b>Monday 19<sup>th</sup> May</b>	1	11.00 - 12.30	<b>Investigational Approaches</b> Chair: Derek Macallan			
			Lymphocyte lifespan - why does it matter?	Peter Beverley	<i>Oxford, UK</i>	
			Estimating lymphocyte turnover by stable isotope labelling	Jose Borghans	<i>Utrecht, NL</i>	
			Heavy water labelling as a probe for lymphoproliferative dynamics: technical advances and applications in patients with systemic autoimmune diseases	Robert Busch	<i>Cambridge UK</i>	
		12.30 - 13.30	<b>Lunch for workshop attendees</b>			
	2	13.30 - 15.45	<b>HIV and lymphocyte kinetics</b> Chair: Vitaly Ganusov			
			BrdU labelling in vivo in HIV and SIV infection.	Zvi Grossman	<i>Washington DC, USA</i>	
			In vivo labelling studies in HIV-infected patients with BrdU and Deuterium	Joseph Kovacs	<i>HIV/AIDS programme, NIH</i>	
			<i>Talk title to be confirmed</i>	Ruy Ribeiro	<i>Los Alamos, NM, USA</i>	
			Central memory CD8+ T cells appear to have a shorter lifespan and reduced abundance as a function of HIV disease progression	Kristin Ladell	<i>Cardiff, UK</i>	
			T-cell dynamics in healthy and HIV infected individuals	Kiki Tesselaar*	<i>Utrecht, NL</i>	
		15.45 - 16.15	<b>Refreshments</b>			
	3	16.15-17.45	<b>Lymphocyte homeostasis</b> Chair: Becca Asquith			
			Memory and regulatory T cell kinetics using short-term labelling	Derek Macallan	<i>London, UK</i>	
			Towards a more mechanistic model for fitting labelling data	Rob De Boer	<i>Amsterdam, NL</i>	
		HTLV-1 persists in vivo by manipulating T cell dynamics	Charles Bangham	<i>London, UK</i>		
		<b>Close of first day</b>				

<b>4</b>	<b>8.45-11.00</b>	<b>Interpretation and Modelling</b> <b>Chair: Jose Borghans</b>		
		Estimates of Lymphocyte Kinetics using Stable Isotope Labelling	Becca Asquith	<i>London, UK</i>
		Measuring lymphocyte turnover using BrdU: what is the correct model?	Vitaly Ganusov	<i>Utrecht, NL</i>
		Modeling homeostatic T cell responses	Ben Seddon	<i>London, UK</i>
		Combining BrdU-labeling experiments and mathematical modeling to understand natural killer cell development in the bone marrow	Marjet Elemans	<i>London, UK</i>
		Kinetics of in vivo proliferation and death of memory and naive CD8 T cells: parameter estimation based on BrdU incorporation in spleen, lymph nodes and bone marrow	Francesca Di Rosa	<i>Rome, Italy</i>

**11.00 -11.30 Refreshments**

<b>5</b>	<b>11.30-13.00</b>	<b>Kinetics in Leukaemia</b> <b>Chair: Zvi Grossman</b>		
		Cell turnover in bovine leukemia virus infected sheep	Luc Willems	<i>Gembloux, Belgium</i>
		In vivo labeling of chronic lymphocytic leukemia B cells documents that the CD38+ fraction of a clone is enriched in proliferating cells	Carlo Calissano	<i>New York, USA</i>
		Reduction of B cell turnover in chronic lymphocytic leukemia	Julien Defoiche*	<i>Gembloux, Belgium</i>
		In vivo dynamics of stable CLL inversely correlate with the level of somatic hypermutations and indicate that the bone marrow is not a major site of proliferation	Rogier van Gent	<i>Utrecht, NL</i>

**13.00 -14.15 Lunch for workshop attendees**

<b>6</b>	<b>14.15-16.00</b>	<b>Lymphocyte kinetics in young and old</b> <b>Chair: Peter Beverley</b>		
		Thymic contribution to T-cell homeostasis T-cell Population Dynamics and Homeostasis in young or aged mice	Ineke den Braber	<i>Utrecht, NL</i>
		Thymus, T cell homeostasis and HIV	Veronique Thomas-Vaslin	<i>Paris, France</i>
		Regulatory T-cells and Ageing	Robin Callard / Rodolphe Thiebaut*	<i>London, UK</i>
			Arne Akbar	<i>London, UK</i>

**16.00-16.30 Discussion, Summary and Close**



St George's  
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