

Freie Universität Berlin
Department of Veterinary Medicine
Institute of Immunology

JOURNAL CLUB

When: Thursdays, 17:00 – 18:00

Where: Seminar room 244 (2nd floor), Institute of Immunology,
Robert-von-Ostertag-Str. 7-13, House 35, 14163 Berlin

Presented by Nikolas Kovermann - 30.10.14



Available online at www.sciencedirect.com

ScienceDirect

Current Opinion in
Immunology

Basophils have emerged as a key player in immunity

Hajime Karasuyama^{1,2} and Yoshinori Yamanishi¹



Presented by Sebastian Rausch - 06.11.14

RESEARCH | REPORTS

COINFECTION

**Virus-helminth coinfection reveals a
microbiota-independent mechanism
of immunomodulation**

Lisa C. Osborne,^{1,2} Laurel A. Monticelli,^{1,2} Timothy J. Nice,³ Tara E. Sutherland,⁴
Mark C. Siracusa,^{1,2*} Matthew R. Hepworth,^{1,2,5} Vesselin T. Tomov,⁵ Dmytro Kobuley,^{1,2}
Sara V. Tran,^{1,2} Kyle Bittinger,¹ Aubrey G. Bailey,¹ Alice L. Laughlin,¹
Jean-Luc Boucher,⁶ E. John Wherry,² Frederic D. Bushman,¹ Judith E. Allen,⁴
Herbert W. Virgin,³ David Artis^{1,2,7†}

Presented by Svenja Steinfelder - 13.11.14

COINFECTION

Helminth infection reactivates latent γ -herpesvirus via cytokine competition at a viral promoter

T. A. Reese,¹ B. S. Wakeman,² H. S. Choi,^{3*} M. M. Hufford,^{4*} S. C. Huang,¹ X. Zhang,¹ M. D. Buck,¹ A. Jezewski,¹ A. Kambal,¹ C. Y. Liu,¹ G. Goel,⁵ P. J. Murray,⁶ R. J. Xavier,^{5†} M. H. Kaplan,^{4†} R. Renne,^{3†} S. H. Speck,^{2†} M. N. Artyomov,¹ E. J. Pearce,¹ H. W. Virgin^{1‡}

Presented by Julia Strandmark - 20.11.14

J Immunol. 2014 Oct 15;193(8):4178-87. doi: 10.4049/jimmunol.1400852. Epub 2014 Sep 10.

Eosinophil-derived IL-10 supports chronic nematode infection.

Huang L¹, Gebreselassie NG¹, Gagliardo LF¹, Ruyechan MC¹, Lee NA², Lee JJ³, Appleton JA⁴.

Presented by Katja Balster - 27.11.14

nature
genetics

OPEN

Whipworm genome and dual-species transcriptome analyses provide molecular insights into an intimate host-parasite interaction

Winter Term 2014/2015

Presented by Gopinath Venugopal - 11.12.14

SCIENTIFIC
REPORTS



OPEN

SUBJECT AREAS:
LAMELLIPODIA
PHAGOCYTES
INFECTION
FILOPODIA

Macrophages lift off surface-bound bacteria using a filopodium-lamellipodium hook-and-shovel mechanism

Jens Möller, Tessa Lüthmann, Mamta Chabria, Heike Hall & Viola Vogel

Presented by Cristin Bock - 18.12.14

OPEN ACCESS Freely available online

PLOS | PATHOGENS

Helminth Infections Coincident with Active Pulmonary Tuberculosis Inhibit Mono- and Multifunctional CD4⁺ and CD8⁺ T Cell Responses in a Process Dependent on IL-10



Parakkal Jovvian George¹, Rajamanickam Anuradha¹, Nathella Pavan Kumar¹, Rathinam Sridhar², Vaithilingam V. Banurekha³, Thomas B. Nutman⁴, Subash Babu^{1,4*}

Presented by Melanie Göldner - 08.01.15

Current perspectives

Worms as therapeutic agents for allergy and asthma: Understanding why benefits in animal studies have not translated into clinical success

Holly Evans, BS, and Edward Mitre, MD *Bethesda, Md*

Winter Term 2014/2015

Presented by Coralie Riviuccio - 15.01.15

Review

Cell
PRESS

It shouldn't happen to a dog ... or a veterinarian: clinical paradigms for canine vector-borne diseases

Peter J. Irwin

College of Veterinary Medicine, School of Veterinary and Life Sciences, Murdoch University, Murdoch, Western Australia, 6150, Australia

Presented by Sarah Schramm - 22.01.15

OPEN ACCESS Freely available online

PLOS NEGLECTED TROPICAL DISEASES

The Intestinal Expulsion of the Roundworm *Ascaris suum* Is Associated with Eosinophils, Intra-Epithelial T Cells and Decreased Intestinal Transit Time

Dries Masure¹, Tao Wang¹, Johnny Vlaminck¹, Sarah Claerhoudt², Koen Chiers³, Wim Van den Broeck⁴, Jimmy Saunders², Jozef Vercruyse¹, Peter Geldhof^{1*}

Presented by Anna Vetter - 29.01.15

International Journal for Parasitology: Drugs and Drug Resistance 4 (2014) 85–94



Contents lists available at ScienceDirect

International Journal for Parasitology:
Drugs and Drug Resistance

journal homepage: www.elsevier.com/locate/ijpddr



Invited Review

microRNAs of parasitic helminths – Identification, characterization and potential as drug targets



Collette Britton*, Alan D. Winter, Victoria Gillan, Eileen Devaney

Winter Term 2014/2015