

Chair: Thomas Hünig **20.10.2016**
Student speakers: Diyaa and Lena

Human regulatory T cells are selectively activated by low-dose application of the CD28 superagonist TGN1412/TAB08.

Tabares P, Berr S, Römer PS, Chuvpilo S, Matskevich AA, Tyrsin D, Fedotov Y, Einsele H, Tony HP, Hünig T.

Eur J Immunol. 2014 Apr;44(4):1225-36

N Engl J Med. 2011 Dec 1;365(22):2067-77. doi: 10.1056/NEJMoa1105143.

Regulatory T-cell responses to low-dose interleukin-2 in HCV-induced vasculitis.

Saadoun D1, Rosenzweig M, Joly F, Six A, Carrat F, Thibault V, Sene D, Cacoub P, Klatzmann D.

Chair: Andreas Beilhack **27.10.2016**
Student speaker: Mohammad and Shaghayegh

Hematopoietic stem cell transplantation in immunocompetent hosts without radiation or chemotherapy

Akanksha Chhabra, Aaron M. Ring, Kipp Weiskopf, Peter John Schnorr, Sydney Gordon, Alan C. Le, Hye-Sook Kwon, Nan Guo Ring, Jens Volkmer, Po Yi Ho, Serena Tseng, Irving L. Weissman, and Judith A. Shizuru

Sci Transl Med Volume 8(351):351ra105-351ra105 August 10, 2016

Exogenous TNFR2 activation protects from acute GvHD via host T reg cell expansion

Martin Chopra, Marlene Biehl, Tim Steinfatt, Andreas Brandl, Juliane Kums, Jorge Amich, Martin Vaeth, Janina Kuen, Rafaela Holtappels, Jürgen Podlech, Anja Mottok, Sabrina Kraus, Ana-Laura Jordán-Garrote, Carina A. Bäuerlein, Christian Brede, Eliana Ribechini, Andrea Fick, Axel Seher, Johannes Polz, Katja J. Ottmüller, Jeanette Baker, Hidekazu Nishikii, Miriam Ritz, Katharina Mattenheimer, Stefanie Schwinn, Thorsten Winter, Viktoria Schäfer, Sven Krappmann, Hermann Einsele, Thomas D. Müller, Matthias J. Reddehase, Manfred B. Lutz, Daniela N. Männel, Friederike Berberich-Siebelt, Harald Wajant, and Andreas Beilhack

JEM Volume 213(9):1881-1900 August 22, 2016

Chair: Ingolf Berberich **03.11.2016**
Student speakers: Lena and Hannes

Targeting B cell receptor signaling with ibrutinib in diffuse large B cell lymphoma

Wyndham H Wilson¹, Ryan M Young¹, Roland Schmitz¹, Yandan Yang¹, Stefania Pittaluga², George Wright³, Chih-Jian Lih⁴, P Mickey Williams⁴, Arthur L Shaffer¹, John Gerecitano^{5,6}, Sven de Vos⁷, Andre Goy⁸, Vaishalee P Kenkre⁹, Paul M Barr¹⁰, Kristie A Blum¹¹, Andrei Shustov¹², Ranjana Advani¹³, Nathan H Fowler¹⁴, Julie M Vose¹⁵, Rebecca L Elstrom¹⁶, Thomas M Habermann¹⁷, Jacqueline C Barrientos¹⁸, Jesse McGreivy¹⁹, Maria Fardis¹⁹, Betty Y Chang¹⁹, Fong Clow¹⁹, Brian Munneke¹⁹, Davina Moussa¹⁹, Darrin M Beaupre¹⁹ & Louis M Staudt¹.

VOLUME 21 | NUMBER 8 | AUGUST 2015 **Nature Medicine**

The Bruton tyrosine kinase inhibitor PCI-32765 blocks B-cell activation and is efficacious in models of autoimmune disease and B-cell malignancy

Lee A. Honigberg^{a,1}, Ashley M. Smith^{a,1}, Mint Sirisawada, Erik Venera, David Lourya, Betty Changa, Shyr Lib^c, Zhengying Pan^{b,d}, Douglas H. Thamme, Richard A. Millera^f, and Joseph J. Buggya. PNAS | July 20, 2010 | vol. 107 | no. 29

Chairs: Thomas Kerkau and Niklas Beyersdorf **10.11.2016**
Student speakers: Julia Hartweg and Claudia

First presentation (one student):

Long-Term Survival of Xenogeneic Pancreatic Islet Grafts Induced by CTLA41g

Deborah J. Lenschow, Yijun Zeng, J. Richard Thistlethwaite, Anthony Montag, William Brady, Marylou G. Gibson, Peter S. Linsley, Jeffrey A. Bluestone
SCIENCE * VOL. 257 * 7 AUGUST 1992

Immunosuppression in Vivo by a Soluble Form of the CTLA-4 T Cell Activation Molecule

Peter S. Linsley*, Philip M. Wallace, Jennifer Johnson, Marylou G. Gibson, JoAnne L. Greene, Jeffrey A. Ledbetter, Cherry Singh, Mark A. Tepper
SCIENCE * VOL. 257 * 7 AUGUST 1992

Second presentation (one student)

Inducing CTLA-4-dependent Immune Regulation by Selective CD28 blockade Promotes Regulatory T cells in Organ Transplantation

Nicolas Poirier^{1,*}, Agnes M Azimzadeh^{2,*}, Tianshu Zhang^{2,*}, Nahzli Dilek¹, Caroline Mary³, Bao Nguyen², Xavier Tillou¹, Guosheng Wu², Karine Reneaudin⁴, Jeremy Hervouet¹, Bernard Martinet¹, Flora Coulon¹, Emma Allain-Launay¹, Georges Karam¹, Jean-Paul Soullillou¹, Richard N. Pierson III^{2,#}, Gilles Blancho^{1,#}, and Bernard Vanhove^{1,#}
Sci Transl Med . 2010 February 3; 2(17)

Chair: Thomas Herrmann 01.12.2016
Student speakers: Akua and Natarajaswamy

Paper to be read by the two speakers of the session (does not need to be presented)

Stimulation of gd T cells by aminobisphosphonates and induction of antiplasma cell activity in multiple myeloma.

Volker Kunzmann, Eva Bauer, Juliane Feurle, Florian Weißinger, Hans-Peter Tony, and Martin Wilhelm. BLOOD, 15 JULY 2000 x VOLUME 96, NUMBER 2

First presentation (one student)

T cells for immune therapy of patients with lymphoid malignancies

Martin Wilhelm, Volker Kunzmann, Susanne Eckstein, Peter Reimer, Florian Weissinger, Thomas Ruediger, and Hans-Peter Tony. BLOOD, 1 JULY 2003 _ VOLUME 102, NUMBER 1

Successful adoptive transfer and in vivo expansion of haploidentical $\gamma\delta$ T cells

Martin Wilhelm^{1*}, Manfred Smetak¹, Kerstin Schaefer-Eckart¹, Brigitte Kimmel²,

Josef Birkmann¹, Hermann Einsele² and Volker Kunzmann². Journal of Translational Medicine 2014

Second presentation (one student)

Bispecific T-cells Expressing Polyclonal Repertoire of Endogenous $\gamma\delta$ T-cell Receptors and Introduced CD19-specific Chimeric Antigen Receptor

Drew C Deniger^{1,2}, Kirsten Switzer¹, Tiejuan Mi¹, Sourindra Maiti¹, Lenka Hurton^{1,2}, Harjeet Singh¹, Helen Huls¹, Simon Olivares¹, Dean A Lee^{1,2}, Richard E Champlin³ and Laurence JN Cooper^{1,2}. Molecular Therapy vol. 21 no. 3 mar. 2013

Chair: Christine Krempf **08.12.16**

Student speakers: Anika König, and Julia Wohlfahrt

RSV Vaccine-Enhanced Disease Is Orchestrated by the Combined Actions of Distinct CD4 T Cell Subsets. Cory J. Knudson¹, Stacey M. Hartwig², David K.

Meyerholz³, Steven M. Varga. PLOS Pathogens | March 13, 2015.

A gene deletion that up-regulates viral gene expression yields an attenuated RSV vaccine with improved antibody responses in children. Ruth A. Karron,^{1*} Cindy

Luongo,² Bhagvanji Thumar,¹ Karen M. Loehr,¹ Janet A. Englund,³ Peter L. Collins,² Ursula J. Buchholz. Science Translational Medicine, 4 November 2015 Vol 7 Issue 312.

Chair: Manfred Lutz **14.12.16 Wednesday, 4pm**

Student speaker: Vishakha and Tim

Regulatory Dendritic Cell Infusion Prolongs Kidney. Allograft Survival in Nonhuman

Primates. M. B. Ezzelarab¹, A. F. Zahorchak¹, L. Lu¹, A. E. Morelli^{1,2}, G. Chalasani^{1,3}, A. J. Demetris^{1,4}, F. G. Lakkis^{1,2}, M. Wijkstrom¹, N. Murase¹, A. Humar¹, R. Shapiro¹, D. K. C. Cooper¹ and A. W. Thomson. American Journal of Transplantation 2013; 13: 1989–2005

Tetanus toxoid and CCL3 improve dendritic cell vaccines in mice and glioblastoma patients. Duane A. Mitchell^{1,2,3*}, Kristen A. Batich^{2,3*}, Michael D. Gunn^{4,5}, Min-Nung

Huang⁵, Luis Sanchez-Perez², Smita K. Nair⁶, Kendra L. Congdon², Elizabeth A. Reap², Gary E. Archer^{1,2}, Annick Desjardins^{1,2}, Allan H. Friedman^{1,2}, Henry S. Friedman^{1,2}, James E. Herndon II⁷, April Coan⁷, Roger E. McLendon^{1,3}, David A. Reardon^{1,2}, James J. Redenburgh^{1,2}, Darell D. Bigner^{1,2,3} & John H. Sampson. 366 | NATURE | VOL 519 | 19 MARCH 2015.

Chair: Jörg Wischhusen **26.01.2017**

Student speakers: Shaghayegh and Lena

Checkpoint blockade cancer immunotherapy targets tumour-specific mutant antigens

Matthew M. Gubin, Xiuli Zhang, Heiko Schuster, Etienne Caron, Jeffrey P. Ward, Takuro Noguchi, Yulia Ivanova, Jasreet Hundal, Cora D. Arthur, Willem-Jan Krebber, Gwenn E. Mulder, Mireille Toebes, Matthew D. Vesely, Samuel S. K. Lam, Alan J. Korman, James P. Allison, Gordon J. Freeman, Arlene H. Sharpe, Erika L. Pearce, Ton N. Schumacher, Ruedi

Aebersold, Hans-Georg Rammensee, Cornelis J. M. Melief, Elaine R. Mardis, William E. Gillanders et al.
Nature **515**, 577–581

Cell. 2015 Jan 15;160(1-2):48-61. doi: 10.1016/j.cell.2014.12.033.

Molecular and genetic properties of tumors associated with local immune cytolytic activity. Rooney MS1, Shukla SA2, Wu CJ3, Getz G4, Hacohen N5.

Chair: Volker Kunzmann, **02.02.17**
Student speakers: Hannes and Alina

Mutations Associated with Acquired Resistance to PD-1 Blockade in Melanoma.

Zaretsky JM, Garcia-Diaz A, Shin DS, Escuin-Ordinas H, Hugo W, Hu-Lieskovan S, Torrejon DY, Abril-Rodriguez G, Sandoval S, Barthly L, Saco J, Homet Moreno B, Mezzadra R, Chmielowski B, Ruchalski K, Shintaku IP, Sanchez PJ, Puig-Saus C, Cherry G, Seja E, Kong X, Pang J, Berent-Maoz B, Comin-Anduix B, Graeber TG, Tumeh PC, Schumacher TN, Lo RS, Ribas A. *N Engl J Med.* 2016 Sep 1;375(9):819-29.

$\gamma\delta$ T Cells Support Pancreatic Oncogenesis by Restraining $\alpha\beta$ T Cell Activation.

Daley D, Zambirinis CP, Seifert L, Akkad N, Mohan N, Werba G, Barilla R, Torres-Hernandez A, Hundeyin M, Mani VR, Avanzi A, Tippens D, Narayanan R, Jang JE, Newman E, Pillarisetty VG, Dustin ML, Bar-Sagi D, Hajdu C, Miller G. *Cell.* 2016 Sep 8;166(6):1485-1499.e15.

Chair: Heike Hermanns **17.11.2016**
Student speaker: Jetani Hardikkumar and Vini Jhon

NAFLD causes selective CD4+ T lymphocyte loss and promotes hepatocarcinogenesis.

Chi Ma1, Aparna H. Kesarwala2, Tobias Eggert1, José Medina-Echeverz1, David E. Kleiner3, Ping Jin4, David F. Stroncek4, Masaki Terabe5, Veena Kapoor6, Mei ElGindi1, Miaojun Han1, Angela M. Thornton7, Haibo Zhang8, Michèle Egger9, Ji Luo8, Dean W. Felsher10, Daniel W. McVicar11, Achim Weber9, Mathias Heikenwalder12,13 & Tim F. Greten1. *Nature*, Vol 531

Liver Cell Ratio in Peripheral Blood and in the and an Increased Th17/Resting Regulatory T Higher Frequency of Th17 Cells in the Liver

Nonalcoholic Steatohepatitis Is Marked by a Progression from Nonalcoholic Fatty Liver to Beyersdorf and Andreas Geier Kudlich, Heike M. Hermanns, Heike Bantel, Niklas Hering, Johannes Weiss, Christian Jurowich, Theodor Monika Rau, Anne-Kristin Schilling, Jan Meertens, Ilona. *J Immunol* 2016; 196:97-105;