

- Zimmermann, N; Thormann, V; Hu, B; Kohler, AB; Imai-Matsushima, A; Locht, C; Arnett, E; Schlesinger, LS; Zoller, T; Schurmann, M; Kaufmann, SHE; Wardemann, H, [Human isotype-dependent inhibitory antibody responses against Mycobacterium tuberculosis](#). *EMBO Molecular Medicine* (2016) doi: [10.15252/emmm.201606330](#)
- Williams, EA; Lewis, DJM; Bertholet, S; Zazzi, M. [Anticipating policy considerations for a future HIV vaccine: a preliminary study](#). *Vaccine* (2016) doi: [10.1016/j.vaccine.2016.03.086](#)
- Sinha, A; Dey, A; Saletti, G; Samanta, P; Chakraborty, PS; Bhattacharya, MK; Ghosh, S; Ramamurthy, T; Kim, JO; Yang, JS; Kim, DW; Czerkinsky, C; Nandy, RK. [Circulating Gut-Homing \(alpha\(4\)beta\(+\)\(7\)\) Plasmablast Responses against Shigella Surface Protein Antigens among Hospitalized Patients with Diarrhea](#). *Clinical and Vaccine Immunology* (2016) doi: [10.1128/CVI.00205-16](#)
- Perdomo C, Zedler U., kuhl A, Lozza L, Saikali P, Sander L, Vogelzang A, Kaufmann S, Kupz A. [Mucosal BCG vaccination induces protective lung resident memory T cell populations against Tuberculosis](#). *American Society for Microbiology* (2016) November doi: [10.1128/mBio.01686-16](#)
- Boer, MC; van Meijgaarden, KE; Goletti, D; Vanini, V; Prins, C; Ottenhoff, THM; Joosten, SA. [KLRG1 and PD-1 expression are increased on T-cells following tuberculosis-treatment and identify cells with different proliferative capacities in BCG-vaccinated adults](#). *Tuberculosis* (2016) doi: [10.1016/j.tube.2015.11.008](#).
- Cecchinato V, Bernasconi E, Speck R, Proietti M, Sauermann U, D'Agostino G, denelon G, Rezzonico Jost T, Grassi F, Raeli L, Schoeni-Affolter F, Stahl-Hennig C, Uguccioni M. [Impairment of CCR6+ and CXCR3+ Th Cell migration in HIV-1 infection is rescued by modulating actin polymerization](#). *Journal of Immunology* (2016) doi: [10.4049/jimmunol.16005688](#)
- January Weiner and Stefan H.E. Kaufmann. [High-throughput and computational approaches for diagnostic and prognostic host tuberculosis biomarkers](#). *International Journal of Infectious Diseases* (2016), [dx.doi.org/10.1016/j.ijid.2016.10.017](#).
- Stefan H.E. Kaufmann, January Weiner, C. Fordham von Reyn. [Novel approaches to TB vaccine development](#). *International Journal of Infectious Diseases* (2016), [dx.doi.org/10.1016/j.ijid.2016.10.018](#).

- Anselmo A, Riva F, Gentile S, Soldani C, Barbagallo M, Mazzon C, Feruglio F, Polentarutti N, Somma P, Carullo P, Angelini C, Bacci M, Mendolicchio GL, Voza A, Nebuloni M, Mantovani A, Garlanda C. **Expression and function of IL-1R8 (TIR8/SIGIRR): a regulatory member of the IL-1 receptor family in platelets.** *Cardiovasc Res.* 2016 Sep;111(4):373-84.
- Alexander Badamchi-Zadeh, Paul F McKay, Martin J Holland, Wayne Paes, Andrzej Brzozowski, Charles Lacey, Frank Follmann, John S Tregoning, Robin J Shattock. **Intramuscular Immunisation with Chlamydial Proteins Induces *Chlamydia trachomatis* Specific Ocular Antibodies.** *PLoS One* 2015.
- Badamchi-Zadeh A, McKay PF, Korber BT, et al. **A Multi-Component Prime-Boost Vaccination Regimen with a Consensus MOMP Antigen Enhances *Chlamydia trachomatis* Clearance.** *Frontiers in immunology* 2016; 7: 162.
- Badamchi-Zadeh A, McKay PF, Korber BT, et al. A4. Barocchi Michèle A., Black Steve, Rappuoli Rino. **Multicriteria decision analysis and core values for enhancing vaccine-related decision-making.** *Science Translational Medicine* (2016) June 29 doi: 10.1126/scitranslmed.aaf0756.
- Billeskov R, Tan EV, Cang M, Abalos RM, Burgos J, Pedersen BV, Christensen D, Agger EM, Andersen P. **Testing the H56 Vaccine Delivered in 4 Different Adjuvants as a BCG-Booster in a Non-Human Primate Model of Tuberculosis.** *PLoS One.* 2016 Aug 15;11(8):e0161217. doi: 10.1371/journal.pone.0161217. eCollection 2016.
- Bonacina F, Barbieri SS, Cutuli L, Amadio P, Doni A, Sironi M, Tartari S, Mantovani A, Bottazzi B, Garlanda C, Tremoli E, Catapano AL, Norata GD. **Vascular pentraxin 3 controls arterial thrombosis by targeting collagen and fibrinogen induced platelets aggregation.** *Biochim Biophys Acta.* 2016, 1862:1182-90. doi: 10.1016/j.bbadis.2016.03.007. PubMed PMID: 26976330.
- Bottazzi B, Inforzato A, Messa M, Barbagallo M, Magrini E, Garlanda C, Mantovani A. **The pentraxins PTX3 and SAP in innate immunity, regulation of inflammation and tissue remodelling.** *J Hepatol.* 2016, 64:1416-1427. doi: 10.1016/j.jhep.2016.02.029. PubMed PMID: 26921689.
- Christensen D, Mortensen R, Rosenkrands I, Dietrich J, Andersen P. **Vaccine-induced TH17 cells are established as resident memory cells in the lung and promote local IgA**

- responses. *Mucosal Immunology*. (2016) April 6; doi: 10.1038/mi.2016.28
- Annalisa Ciabattini, Elena Pettini, Fabio Fiorino, Gabiria Pastore, Peter Andersen, Gianni Pozzi and Donata Medaglini **Modulation of Primary immune response by Different Vaccine adjuvants**
  - Muturi-Kioi et al. **Neutropenia as an Adverse Event following Vaccination: Results from Randomized Clinical Trials in Healthy Adults and Systematic Review** *PLoS ONE* 2016
  - Kupz, A., U. Zedler, M. Stäber, C. Perdomo, A. Dorhoi, R. Brosch, S.H.E. Kaufmann **ESAT-6-dependent cytosolic pattern recognition is essential for non-cognate, IL-18-driven, IFN- $\gamma$ -mediated in vivo control of tuberculosis.** *J Clin Invest*. 2016. doi:10.1172/JCI84978.
  - Legaz S, Exposito JY, Lethias C, Viginier B, Terzian C, Verrier B. **Evaluation of polylactic acid nanoparticles safety using *Drosophila* model.** *Nanotoxicology*. 2016 Oct;10(8):1136-43. doi: 10.1080/17435390.2016.1181806. Epub 2016 May 16.
  - Grasse M, Meryk A, Schirmer M, Grubeck-Loebenstein B, Weinberger **Booster vaccination against tetanus and diphtheria: insufficient protection against diphtheria in young and elderly adults.** *Immun Ageing*. 2016 Sep 5;13(1):26. eCollection 2016.
  - Gengenbacher M1, Nieuwenhuizen N2, Vogelzang A2, Liu H2, Kaiser P2, Schuerer S, Lazar D, Wagner I, Mollenkopf HJ, Kaufmann SH. **Deletion of nuoG from the Vaccine Candidate *Mycobacterium bovis* BCG  $\Delta$ ureC::hly Improves Protection against Tuberculosis.** *MBio*. 2016 May 24;7(3). pii: e00679-16.
  - Huber A, Kallerup RS, Korsholm KS, Franzyk H, Lepenies B, Christensen D, Foged C, Lang R. **Trehalose diester glycolipids are superior to the monoesters in binding to Mincle, activation of macrophages in vitro and adjuvant activity in vivo.** *Innate Immun*. 2016 Aug;22(6):405-18.
  - Jaillon S, Ponzetta A, Magrini E, Barajon I, Barbagallo M, Garlanda C, Mantovani A. **Fluid phase recognition molecules in neutrophil-dependent immune responses.** *Semin Immunol*. 2016 Apr;28(2):109-18.
  - Joosten SA, van Meijgaarden KE, Del Nonno F, Baiocchini A, Petrone L, Vanini V, Smits HH, Palmieri F, Goletti D, Ottenhoff TH. **Patients with Tuberculosis Have a Dysfunctional Circulating B-Cell Compartment, Which Normalizes following Successful Treatment.** *PLoS Pathog*. 2016 Jun 15;12(6):e1005687.

- John-Paul Jukes, Uzi Gileadi, Hemza Ghadbane, Ting-Fong Yu, Dawn Shepherd, Liam R. Cox, Gurdyal S. Besra, 2 and Vincenzo Cerundolo, **Non-glycosidic compounds can stimulate both human and mouse iNKT cells.** *Eur J Immunol.* 2016 May; 46(5): 1224-1234.
- Kaufmann SH, Fortune S, Pepponi I, Ruhwald M, Schragar LK, Ottenhoff TH. **TB biomarkers, TB correlates and human challenge models: New tools for improving assessment of new TB vaccines.** *Tuberculosis (Edinb).* 2016 Aug;99 Suppl 1:S8-S11.
- Andreas Kupz, Ulrike Zedler, Manuela Stäber and Stefan H. E. Kaufmann. **A Mouse Model of Latent Tuberculosis Infection to Study Intervention Strategies to Prevent Reactivation** *PLoS One.* 2016; 11(7): e0158849.
- Lambert L, Kinnear E, McDonald JU, Grodeland G, Bogen B, Stubrud E, Lindeberg MM, Fredriksen AB, Tregoning JS. **DNA Vaccines Encoding Antigen Targeted to MHC Class II Induce Influenza-Specific CD8(+) T Cell Responses, Enabling Faster Resolution of Influenza Disease.** *Front Immunol.* 2016 Aug 23;7:321.
- Pavot V, Climent N, Rochereau N, Garcia F, Genin C, Tiraby G, Vernejoul F, Perouzel E, Lioux T, Verrier B, Paul S. **Directing vaccine immune responses to mucosa by nanosized particulate carriers encapsulating NOD ligands.** *Biomaterials.* 2016 Jan;75:327-39.
- Proudfoot AE, Uguccioni M. **Modulation of Chemokine Responses: Synergy and Cooperativity.** *Front Immunol.* 2016 May 19;7:183.
- Pinti M, Appay V, Campisi J, Frasca D, Fülöp T, Sauce D, Larbi A, Weinberger B, Cossarizza A. **Aging of the immune system: Focus on inflammation and vaccination.** *Eur J Immunol.* 2016 Oct;46(10):2286-2301.
- Platteel AC, Mishto M, Textoris-Taube K, Keller C, Liepe J, Busch DH, Kloetzel PM, Sijts AJ. **CD8(+) T cells of *Listeria monocytogenes*-infected mice recognize both linear and spliced proteasome products.** *Eur J Immunol.* 2016 May;46(5):1109-18.
- Platteel AC, Marit de Groot A, Keller C, Andersen P, Ovaa H, Kloetzel PM, Mishto M, Sijts AJ. **Strategies to enhance immunogenicity of cDNA vaccine encoded antigens by modulation of antigen processing.** *Vaccine.* 2016 Sep 30;34(42):5132-40.
- Russell RF, McDonald JU, Lambert L, Tregoning JS. **Use of the Microparticle Nanoscale Silicon Dioxide as an Adjuvant To Boost Vaccine Immune Responses against Influenza Virus in Neonatal Mice.** *J Virol.* 2016 Apr 14;90(9):4735-44.

- Gutjahr A, Tiraby G, Perouzel E, Verrier B, Paul S. Triggering Intracellular Receptors for Vaccine Adjuvantation. *Trends Immunol.* 2016 Sep;37(9):573-87.
- Wang Y, Rahman D, Mistry M, Lehner T. The Effect of Cellular Stress on T and B Cell Memory Pathways in Immunized and Unimmunized BALB/c Mice. *J Biol Chem.* 2016 Sep 23;291(39):20707-17.
- Weinberger B. Adult vaccination against tetanus and diphtheria: the European perspective. *Clin Exp Immunol.* 2016 Jun 9.
- Woodworth JS, Cohen SB, Moguche AO, Plumlee CR, Agger EM, Urdahl KB, Andersen P. Subunit vaccine H56/CAF01 induces a population of circulating CD4 T cells that traffic into the Mycobacterium tuberculosis-infected lung. *Mucosal Immunol.* 2016 Aug 24.
- Zimmermann N, Saiga H, Houthuys E, Moura-Alves P, Koehler A, Bandermann S, Dorhoi A, Kaufmann SH. Syndecans promote mycobacterial internalization by lung epithelial cells. *Cell Microbiol.* 2016 Dec;18(12):1846-1856.
- Zak DE, Penn-Nicholson A, Scriba TJ, Thompson E, Suliman S, Amon LM, Mahomed H, Erasmus M, Whatney W, Hussey GD, Abrahams D, Kafaar F, Hawkridge T, Verver S, Hughes EJ, Ota M, Sutherland J, Howe R, Dockrell HM, Boom WH, Thiel B, Ottenhoff TH, Mayanja-Kizza H, Crampin AC, Downing K, Hatherill M, Valvo J, Shankar S, Parida SK, Kaufmann SH, Walzl G, Aderem A, Hanekom WA; ACS and GC6-74 cohort study groups. A blood RNA signature for tuberculosis disease risk: a prospective cohort study. *Lancet.* 2016 Mar 23. pii: S0140-6736(15)01316-1. doi: 10.1016/S0140-6736(15)01316-1.
- Christensen D, Mortensen R, Rosenkrands I, Dietrich J, Andersen P. Vaccine-induced Th17 cells are established as resident memory cells in the lung and promote local IgA responses. *Mucosal Immunol.* 2016 Apr 6. doi: 10.1038/mi.2016.28.
- Elodie Mohr, Claire-Anne Siegrist Vaccination in early life: standing up to the challenges *Opinion in Immunology*, Volume 41, August 2016, Pages 1–8 doi:10.1016/j.coi.2016.04.004
- Rappuoli R, Bottomley MJ, D'Oro U, Finco O, De Gregorio E. Reverse vaccinology 2.0: Human immunology instructs vaccine antigen design. *J Exp Med.* 2016 Apr 4;213(4):469-81. doi: 10.1084/jem.20151960. Epub 2016 Mar 28.
- Kaufmann SH, Dorhoi A. Molecular Determinants in Phagocyte-Bacteria

- Interactions. *Immunity*. 2016 Mar 15;44(3):476-91. doi: 10.1016/j.immuni.2016.02.014.
- Dorhoi A, Kaufmann SH. Pathology and immune reactivity: understanding multidimensionality in pulmonary tuberculosis. *Semin Immunopathol*. 2016 Mar;38(2):153-66. doi: 10.1007/s00281-015-0531-3. Epub 2015 Oct 5.
  - García-Sastre A. Systems vaccinology informs influenza vaccine immunogenicity. *Proc Natl Acad Sci U S A*. 2016 Feb 16;113(7):1689-91. doi: 10.1073/pnas.1525361113. Epub 2016 Feb 3.
  - Joshua S. Woodworth, Peter Andersen Reprogramming the T Cell Response to Tuberculosis Cell, DOI: <http://dx.doi.org/10.1016/j.it.2015.12.009>
  - Dey A, Molodecky NA, Verma H, Sharma P, Yang JS, Saletti G, Ahmad M, Bahl SK, Wierzbica TF, Nandy RK, Deshpande JM, Sutter RW, Czerkinsky C. Human Circulating Antibody-Producing B Cell as a Predictive Measure of Mucosal Immunity to Poliovirus. *PLoS One*. 2016 Jan 5;11(1):e0146010. doi: 10.1371/journal.pone.0146010. eCollection 2016.
  - Knudsen NPH, Olsen A, Buonsanti C, Follmann F, Zhang Y, Coler RN, Fox CB, Meinke A, D'Oró U, Casini D, Bonci A, Billeskov R, De Gregorio E, Rappuoli R, Harandi AM, Andersen P, AggerEA. Different human vaccine adjuvants promote distinct antigen-independent immunological signatures tailored to different pathogens *Nature Scientific Reports* 21 January 2016, doi:10.1038/srep19570
  - Nakaya HI, Clutterbuck E, Kazmin D, Wang L, Cortese M, Bosinger SE, Patel NB, Zak DE, Aderem A, Dong T, Del Giudice G, Rappuoli R, Cerundolo V, Pollard AJ, Pulendran B, Siegrist CA. Systems biology of immunity to MF59-adjuvanted versus non-adjuvanted trivalent seasonal influenza vaccines in early childhood *Proc Natl Acad Sci U S A*. January 11, 2016, doi: 10.1073/pnas.1519690113