

Curriculum Vitae Ahmed Sheriff

Education

- 1983-1989 Undergraduate and graduate studies in chemistry/biochemistry, Free University Berlin
- 1989 Diploma in biochemistry, Free University Berlin
- 1994 PhD in biochemistry, Free University Berlin

Honors and Awards

- 2000 Winner of the BioChance competition of the BMBF
- 2004 Winner of the business plan competition Berlin/Brandenburg with TheraVision GmbH
- 2004 Winner of the business plan competition Science4Life with TheraVision GmbH
- 2008 Winner in the GoBio Competition of the BMBF

Professional Experience

- 1988 -1989 Thesis at the Free University Berlin
- 1990 –1994 PhD Student at the Free University Berlin
- 1994 –1999 Postdoctoral researcher with teaching activity at the Free University Berlin
- 1999 –2003 Founder and director of the GENETHOR GmbH
- 2003 –2007 Postdoctoral researcher in the group of Prof. J.R. Kalden and Prof. M. Herrmann, Friedrich-Alexander-Universität, Erlangen-Nürnberg
- 2003 – Employee of the BioVent GmbH
- 2007 – 09 Director of the German Society for Immunology (DGfI)
- 2007 – 08 Coordinator of the European Federation of Immunological Societies (EFIS)
- 2007 – Research group leader at the Charité, Berlin at the Department of Nephrology and Intensive Care Unit as well as at the Department of Cardiology at the Charité Campus Virchow Klinikum
- 2010 – Coordinator of the clinical trial IMI-SAFE-T of the EU, Charité Berlin
- 2010 – Original shareholder and Director of the Pentracor GmbH

Field of Research

CRP as a therapeutic target and development of a new cardiac infarction therapy.
CRP and inflammation as modulators of blood pressure and heart frequency.

Publications

- [1] **A. Sheriff**, R. Schindler, B. Vogt, H. Abdel-Aty, J.K. Unger, C. Bock, F. Gebauer, A. Slagman, T. Jerichow, D. Mans, G. Yapici, G. Janelt, M. Schröder, R. Kunze, and M. Möckel: Selective Apheresis of C-Reactive Protein: A New Therapeutic Option in Myocardial Infarction? *J. Clin. Apheresis* 00:000–000, 2014
- [2] S. Matthecka, C. Bock, B. Vogt, G. Yapici, W. Schrödl, C. Janko, R. Schindler, & **A. Sheriff**: CRP and SAP from different species have different membrane ligand specificities_08916934.2013_plus. *Autoimmunity*, 2013; Early Online: 331–334
- [3] Müller RB, Vogt B, Winkler S, Muñoz LE, Franz S, Kern P, Maihöfner C, **Sheriff A**, von Kempis J, Schett G, Herrmann M.: Detection of low level cryoglobulins by flow cytometry. *Cytometry A*. 2012 Oct;81(10):883-7.
- [4] C. Janko, S. Franz, L.E. Munoz, S. Siebig, S. Winkler, G. Schett, K. Lauber, **A. Sheriff**, J. van der Vlag and M. Herrmann: CRP/anti-CRP antibodies assembly on the surfaces of cell remnants switches their phagocytic clearance toward inflammation. *Frontiers in Immunology* (2011) Vol 2, p1-9.
- [5] Slagman AC, Bock C, Abdel-Aty H, Vogt B, Gebauer F, Janelt G, Wohlgemuth F, Morgenstern R, Yapici G, Puppe A, Modersohn D, Mans D, Jerichow T, Ott S, Kunze R, Schrödl W, Janko C, Herrmann M, Kalden JR, Kern P, Parsch H, Kirschfink M, Schulz-Menger J, Röttgen R, Unger JK, Schindler R, Möckel M, **Sheriff A**. Establishment of a closed chest porcine infarction model combined with C-reactive protein apheresis. *Blood Purif.* 2011;31(1-3):9-17.
- [6] Mueller RB, **Sheriff A.**, Scoring adult-onset Still's disease. *J Rheumatol.* 2010 Nov;37(11):2203-4.
- [7] B. Vogt, M. Warncke, B. Micheel, & **A. Sheriff**, Lentiviral gene transfer of CTLA4 generates B cells with reduced costimulatory properties. *Autoimmunity*, April 2009; 42(4): 380–382.
- [8] Janko C, Schorn C, Weidner D, Sarter K, Chaurio R, **Sheriff A**, Schett G, Munoz LE. Treatment with DNase I fosters binding to nec PBMC of CRP. *Autoimmunity*. 2009 May;42(4):286-8.
- [9] Manea ME, Mueller RB, Dejica D, **Sheriff A**, Schett G, Herrmann M, Kern P, Increased expression of CD154 and FAS in SLE patients' lymphocytes. *Rheumatol Int.* 2009 Apr 30. [Epub ahead of print]
- [10] Franz S, Herrmann K, Fuhrrohr B, **Sheriff A**, Frey B, Gaipl US, Voll RE, Kalden JR, Jack HM, Herrmann M. After shrinkage apoptotic cells expose internal membrane-derived epitopes on their plasma membranes. *Cell Death Differ* 2007, 14(4):733-42.
- [11] R.B. Mueller, **A. Sheriff**, U.S. Gaipl, S. Wesselborg, and K. Lauber, Attraction of phagocytes by apoptotic cells is mediated by lysophosphatidylcholine. *Autoimmunity*. 2007 Jun; 40(4):342-4
- [12] B. Vogt, B. Fuhrrohr, R. Müller, and **A. Sheriff**, CRP and the disposal of dying cells: Consequences for systemic lupus erythematosus and rheumatoid arthritis, *Autoimmunity*, 2007 Jun, 40 (4):295-8
- [13] L. E. Munoz, S. Franz, F. Pausch, B. Fuhrrohr, **A. Sheriff**, B. Vogt, P. M. Kern, W. Baum, C. Stach, D. von Laer, B. Brachvogel, E. Poschl, M. Herrmann, and U. S. Gaipl, The Influence on the Immunomodulatory Effects of Dying and Dead Cells of Annexin V, *J Leukoc Biol* 2007;81(1):6-14
- [14] **A. Sheriff**, M. Herrmann, R. Voll, U. Gaipl and J. Kalden, Inflammatory Response, *Encyclopedic Reference of Genomics and Proteomics in Molecular Medicine*, Book Chapter, DOI 10.1007/3-540-29623-9_4580, (2006) 877-882
- [15] U. S. Gaipl, **A. Sheriff**, S. Franz, L. E. Munoz, R. E. Voll, J. R. Kalden, and M. Herrmann, Inefficient clearance of dying cells and autoreactivity, *Curr Top Microbiol Immunol* 305 (2006) 161-176.
- [16] U. S. Gaipl, A. Kuhn, **A. Sheriff**, L. E. Munoz, S. Franz, R. E. Voll, J. R. Kalden, and M. Herrmann, Clearance of apoptotic cells in human SLE, *Curr Dir Autoimmun* 9 (2006) 173-187.

- [17] S. Franz, B. Frey, **A. Sheriff**, U. S. Gaipl, A. Beer, R. E. Voll, J. R. Kalden, and M. Herrmann, Lectins detect changes of the glycosylation status of plasma membrane constituents during late apoptosis, *Cytometry A* 69 (2006) 230-239.
- [18] Franz S, Gaipl US, Munoz LE, **Sheriff A**, Beer A, Kalden JR, Herrmann M. Apoptosis and autoimmunity: when apoptotic cells break their silence. *Curr Rheumatol Rep* 2006;8(4):245-7.
- [19] Fürnrohr BG, Sheriff A, Munoz L, von Briesen H, Urbonaviciute V, Neubert K, Kalden JR, Herrmann M, Voll RE, Signals, receptors, and cytokines involved in the immunomodulatory and anti-inflammatory properties of apoptotic cells, *Signal Transduction* 5 (2005) 356-365
- [20] F. Rodel, S. Franz, **A. Sheriff**, U. Gaipl, P. Heyder, G. Hildebrandt, S. Schultze-Mosgau, R. E. Voll, and M. Herrmann, The CFSE distribution assay is a powerful technique for the analysis of radiation-induced cell death and survival on a single-cell level, *Strahlenther Onkol* 181 (2005) 456-462.
- [21] L. E. Munoz, U. S. Gaipl, S. Franz, **A. Sheriff**, R. E. Voll, J. R. Kalden, and M. Herrmann, SLE--a disease of clearance deficiency?, *Rheumatology (Oxford)* 44 (2005) 1101-1107.
- [22] G. E. Grossmayer, L. E. Munoz, U. S. Gaipl, S. Franz, **A. Sheriff**, R. E. Voll, J. R. Kalden, and M. Herrmann, Removal of dying cells and systemic lupus erythematosus, *Mod Rheumatol*. 2005; 15 (6):383-390
- [23] W. Kolowos, U. S. Gaipl, **A. Sheriff**, R. E. Voll, P. Heyder, P. Kern, J. R. Kalden, and M. Herrmann, Microparticles shed from different antigen-presenting cells display an individual pattern of surface molecules and a distinct potential of allogeneic T-cell activation, *Scand J Immunol* 61 (2005) 226-233.
- [24] U. S. Gaipl, R. E. Voll, **A. Sheriff**, S. Franz, J. R. Kalden, and M. Herrmann, Impaired clearance of dying cells in systemic lupus erythematosus, *Autoimmun Rev* 4 (2005) 189-194.
- [25] U. Appelt, **A. Sheriff**, U. S. Gaipl, J. R. Kalden, R. E. Voll, and M. Herrmann, Viable, apoptotic and necrotic monocytes expose phosphatidylserine: cooperative binding of the ligand Annexin V to dying but not viable cells and implications for PS-dependent clearance, *Cell Death Differ* 12 (2005) 194-196.
- [26] M. Warncke, B. Vogt, J. Ulrich, M. D. von Laer, W. Beyer, H. Klump, B. Micheel, and **A. Sheriff**, Efficient in vitro transduction of naive murine B cells with lentiviral vectors, *Biochem Biophys Res Commun* 318 (2004) 673-679.
- [27] **A. Sheriff**, U. S. Gaipl, R. E. Voll, J. R. Kalden, and M. Herrmann, Apoptosis and systemic lupus erythematosus, *Rheum Dis Clin North Am* 30 (2004) 505-527, viii-ix.
- [28] **A. Sheriff**, U. S. Gaipl, S. Franz, P. Heyder, R. E. Voll, J. R. Kalden, and M. Herrmann, Loss of GM1 surface expression precedes annexin V-phycoerythrin binding of neutrophils undergoing spontaneous apoptosis during in vitro aging, *Cytometry A* 62 (2004) 75-80.
- [29] A. Korn, B. Frey, **A. Sheriff**, U. S. Gaipl, S. Franz, R. Meyer-Pittroff, G. Bluemelhuber, and M. Herrmann, High hydrostatic pressure inactivated human tumour cells preserve their immunogenicity, *Cell Mol Biol (Noisy-le-grand)* 50 (2004) 469-477.
- [30] U. S. Gaipl, S. Franz, R. E. Voll, **A. Sheriff**, J. R. Kalden, and M. Herrmann, Defects in the disposal of dying cells lead to autoimmunity, *Curr Rheumatol Rep* 6 (2004) 401-407.
- [31] B. Frey, S. Franz, **A. Sheriff**, A. Korn, G. Bluemelhuber, U. S. Gaipl, R. E. Voll, R. Meyer-Pittroff, and M. Herrmann, Hydrostatic pressure induced death of mammalian cells engages pathways related to apoptosis or necrosis, *Cell Mol Biol (Noisy-le-grand)* 50 (2004) 459-467.
- [32] **A. Sheriff**, B. Vogt, M. Baumgart, C. Montag, B. Hollenbach, J. A. Schenk, J. Ulrich, F. Elias, and B. Micheel, Intracellular capture of B7 in antigen-presenting cells reduces costimulatory activity, *Biochem Biophys Res Commun* 301 (2003) 873-878.
- [33] **A. Sheriff**, H. Meyer, E. Riedel, J. M. Schmitt and C. Lapke - The influence of ice plant pyruvate, orthophosphate dikinase on a C3-plant with respect to the intracellular location of the enzyme. 1998, *Plant Science*

- [34] Ross-Karstens, G.-S., **Sheriff, A.**, Ebert, G. & Lüdders, P. - Influence of CO₂ concentration, light intensity and sucrose concentration of the medium on amount and/or activity of phosphoenolpyruvate carboxylase and malate dehydrogenase of in vitro coffee plantlets. 1997, Gartenbauwissenschaft
- [35] **Sheriff, A.** & Schmitt, J.M. - The CAM-specific isoform of phosphoenolpyruvate carboxylase from *Mesembryanthemum crystallinum* is a stable molecule. 1996, Photosynthetica
- [36] **Sheriff, A.** - Der Kampf in unserem Körper: über unser Immunsystem, Autoimmunkrankheiten und AIDS. R. Rauscher Druck und Verlag GmbH, Berlin (1996); ISBN 3-00-000524-2
- [37] **Sheriff, A.** & Schmitt, J.M. - Stability of the CAM-specific phosphoenolpyruvate carboxylase of *Mesembryanthemum crystallinum*. In: Proceedings of the 2nd Stressnet conference, Salsomaggiore, Italy (1995; R.A. Leigh and M.M.A. Mechteld Blake-Kalff, ed)
- [38] Schmitt, J.M., Fißthaler, B., **Sheriff, A.**, Lenz, B., Bäßler, M. & Meyer, G. - Environmental control of CAM induction in *Mesembryanthemum crystallinum* - a role for cytokinin, abscisic acid and jasmonate? 1994, Crassulacean acid metabolism. Biochemistry, ecophysiology and evolution. Springer, Heidelberg