Sylvia Knapp CV

Personal Data

Date of Birth:	September 15, 1968
Place of Birth:	Innsbruck, Austria
Nationality:	Austrian

Education

2001-2005	Ph.D. studies at the University of Amsterdam, the Netherlands
03/91 – 10/91	Study of Medicine, Free University Berlin, Germany
1986 – 1993	Study of Medicine, University Vienna, Austria

Career History

2015 -	Director of Medical Affairs at the Research Center for Molecular Medicine (CeMM) of the Austrian Academy of Sciences
2014 -	Corresponding Member of the Austrian Academy of Sciences
2013 -	Delegate to the Senate of the Medical University of Vienna
2012 -	Full Professor of Infection Biology at the Medical University of Vienna
2006 - 2012	Head of Infectious Disease Lab, Dept. of Medicine 1, Division of Infectious Diseases, Medical University Vienna
04/2006 –	Principal Investigator at the Research Center for Molecular Medicine (CeMM) of the Austrian Academy of Sciences
2005 – 2006	Staff member Intensive Care Unit, Dept. of Med. I, Medical Univ. Vienna
2003	Associate Professor of Internal Medicine, University Vienna
2000	Board certification Internal Medicine
1994 – 2000	Residency in Internal Medicine, University Hospital Vienna
1992 – 1994	Research fellow at Dept. of Medicine I, University Vienna
08-09/1991	Summer Training Course in Laboratory Virology, National Institute of Health, Department of Pathology, Tokyo, Japan, Prof. Dr. T. Kurata

Awards (5 most important)

2001, 2002	Schrödinger Fellowship by the FWF
2003	Marie Curie Fellowship
2005, 2006	Research Award by the Austrian Society of antimicrobial Chemotherapy
2008, 2010, 2013	Research Award by the Erste Bank & Austrian Chamber of Physicians
2008	Research Award by the International Sepsis Forum

Invitations to present at conferences (5 most important)

2014, Invited Lecture, Host Pathogen Interaction,Taipeh, Taiwan; 2013, Keynote Lecture Lung SFB Symposium, Hannover, Germany; 2013, Keynote Lecture, Annual Conference of the Center for Experimental and Molecular Medicine, Amsterdam, the Netherlands; 2008, Invited Lecture, Euroconference - Crossroad of innate and adaptive Immunity,Joachmisthal, Germany; 2006, Invited Lecture, Society of Leukocyte Biology Conference, San Antonio, Texas.

Peer review activities, editorships, and/or memberships in academic organizations (5 most important)

Associate Editor BMC Pulmonary Medicine (resigned 2014); Associate Editor Clinical Immunology (2007-2012).
Ad-hoc reviewer: J Clin Invest, J Exp Med, Immunity, Science Translat Med, Blood
Ad hoc grant reviewer: Welcome Trust UK, ANR France, NWO Netherlands, DFG Germany
2014 – Member of the Senate of the Christian Doppler Research Society
2014 – corresponding Member of the Austrian Academy of Sciences
2014 – Review-Board Member of the Austrian Academy of Sciences Grant Office

Peer-reviewed and funded research projects (5 most important as responsible PI)

Oxidized lipids and lung inflammation,Austrian National Bank, -2011-2014, € 100K.-
Streptogenomics,ERA-Net Pathogenomics via FWF, 2009-2013, € 216K.-
Haploid genetics and infection,Coordinator, Infect-ERA via FWF, 2014-2017, € 238K.-
SFB Immunothrombosis, Project leader, FWF, 2014-2018, € 476K.-

Key international cooperation partners (last 5 years)

Merad Miriam, Mount Sinai Hospital, Icahn School of Medicine, USA
McKenzie Andrew, MRC Cambridge, UK
Charpentier Emannuelle, Helmholtz, Germany
Sander Leif-Erik, Charite, Germany
Colonna Marco, Washington University St. Louis, USA
Verschoor Admar, TU Munich, Germany
Mackman Nigel, Chapel Hill, USA

10 most important scientific publications

Schliehe C, Flynn EK, Vilagos B, Richson U, Swaminathan S, Bosnjak B, Bauer L, Kandasamy RK, Griesshammer IM, Kosack L, Schmitz F, Litvak V, Sissons J, Lercher A, Bhattacharya A, Khamina K, Trivett AL, Tessarollo L, Mesteri I, Hladik A, Merkler D, Kubicek S, **Knapp S**, Epstein MM, Symer DE, Aderem A, Bergthaler A. The

methyltransferase Setdb2 mediates virus-induced susceptibility to bacterial superinfection. Nat Immunol. 2015 Jan;16(1):67-74. doi: 10.1038/ni.3046.

Sharif O, Gawish R, Warszawska JM, Martins R, Lakovits K, Hladik A, Doninger B, Brunner J, Korosec A, Schwarzenbacher RE, Berg T, Kralovics R, Colinge J, Mesteri I, Gilfillan S, Salmaggi A, Verschoor A, Colonna M, **Knapp S**. The triggering receptor expressed on myeloid cells 2 inhibits complement component 1q effector mechanisms and exerts detrimental effects during pneumococcal pneumonia. PLoS Pathog. 2014 Jun 12;10(6):e1004167. doi: 10.1371/journal.ppat.1004167.

Matt U, Sharif O, Martins R, Furtner T, Langeberg L, Gawish R, Elbau I, Zivkovic A, Lakovits K, Oskolkova O, Doninger B, Vychytil A, Perkmann T, Schabbauer G, Binder CJ, Bochkov VN, Scott JD, **Knapp S**. WAVE1 mediates suppression of phagocytosis by phospholipid-derived DAMPs. J Clin Invest. 2013 Jul;123(7):3014-24. doi: 10.1172/JCI60681.

Warszawska JM, Gawish R, Sharif O, Sigel S, Doninger B, Lakovits K, Mesteri I, Nairz M, Boon L, Spiel A, Fuhrmann V, Strobl B, Müller M, Schenk P, Weiss G, **Knapp S**. Lipocalin 2 deactivates macrophages and worsens pneumococcal pneumonia outcomes. J Clin Invest. 2013 Aug;123(8):3363-72. doi: 10.1172/JCI67911.

Zivkovic A, Sharif O, Stich K, Doninger B, Biaggio M, Colinge J, Bilban M, Mesteri I, Hazemi P, Lemmens-Gruber R, **Knapp S**. TLR 2 and CD14 mediate innate immunity and lung inflammation to staphylococcal Panton-Valentine leukocidin in vivo. J Immunol. 2011 Feb 1;186(3):1608-17. doi: 10.4049/jimmunol.1001665.

Baumann CL, Aspalter IM, Sharif O, Pichlmair A, Blüml S, Grebien F, Bruckner M, Pasierbek P, Aumayr K, Planyavsky M, Bennett KL, Colinge J, **Knapp S***, Superti-Furga G*. D14 is a coreceptor of Toll-like receptors 7 and 9. J Exp Med. 2010 Nov 22;207(12):2689-701. doi: 10.1084/jem.20101111. * corresponding authors

Lagler H, Sharif O, Haslinger I, Matt U, Stich K, Furtner T, Doninger B, Schmid K, Gattringer R, de Vos AF, **Knapp S**. TREM-1 activation alters the dynamics of pulmonary IRAK-M expression in vivo and improves host defense during pneumococcal pneumonia. J Immunol. 2009 Aug 1;183(3):2027-36. doi: 10.4049/jimmunol.0803862.

Knapp S, Gibot S, de Vos A, Versteeg HH, Colonna M, van der Poll T. Cutting edge: expression patterns of surface and soluble triggering receptor expressed on myeloid cells-1 in human endotoxemia. J Immunol. 2004 Dec 15;173(12):7131-4.

Knapp S, Wieland CW, van 't Veer C, Takeuchi O, Akira S, Florquin S, van der Poll T. Toll-like receptor 2 plays a role in the early inflammatory response to murine pneumococcal pneumonia but does not contribute to antibacterial defense. J Immunol. 2004 Mar 1;172(5):3132-8.

Knapp S, Leemans JC, Florquin S, Branger J, Maris NA, Pater J, van Rooijen N, van der Poll T. Alveolar macrophages have a protective antiinflammatory role during murine pneumococcal pneumonia. Am J Respir Crit Care Med. 2003 Jan 15;167(2):171-9.