

Curriculum vitae

PD Dr. Dr. med. Nasser Semmo

Personal Details

Name: PD Dr. Dr. med. Nasser Semmo
Marital status: Married, with three children
Nationality : German
Date and place of birth: 11th February 1972 in Beirut-Lebanon
E-Mail: nasser.semmo@insel.ch
Business address: Bern University Hospital, Universitätsklinik für Viszerale Chirurgie und Medizin (UVCM), Hepatology, CH-3010 Bern

Education

1993-2000 Martin Luther University Halle-Wittenberg (Medicine)
1992 A-levels
1985 – 1992 Ricarda-Huch high-school Gelsenkirchen/Germany
1982 – 1985 German school Beirut/Lebanon
1980 – 1982 Primary school Reutlingen/Germany

Practical Training

Elective periods:

2/1998 Radiology, private practice, Gladbeck
7/1997 Casualty Department, Bergmannstrost Hospital Halle
4/1997 Pediatrics, private practice, Gladbeck
2/1997 Internal Medicine, University Hospital Halle-Wittenberg
3/1996 Surgery, Franziskus-Hospital Bielefeld
1992-1993 Voluntary social year at the Marienhospital Herne
Since 2008 Regular training in **GCP** (Certificate in Germany & CH)

Final Year practice periods:

12/99-02/00	Pediatrics, University Hospital Halle-Wittenberg/Germany
8/99-12/99	Internal Medicine, Kantonsspital Glarus, Switzerland
4/99-8/99	Surgery, General Hospital of Letterkenny, Ireland

“Habilitation” Thesis (Privatdozent)

„Zelluläre Immunantwort gegen die Hepatitis C Virusinfektion“, University Hospital Freiburg/Germany, December 2010

“Umhabilitation” Thesis (Privatdozent)

„Hepatitis C Virusinfektion“, University Hospital Bern/Switzerland, Mai 2012

PhD Thesis

“Analysis of protective cellular immune responses against hepatitis C virus”, Prof. Dr. Paul Klenerman, Oxford/England March 2006

Medical Thesis (MD)

“Immune-status in hemodialysis patients after hepatitis B vaccination”, Prof. Dr. B. Osten, Martin-Luther-University Halle-Wittenberg 2001

Employment

Since June 1 st 2015	60% Head of Gastroenterology Department, SRO Langenthal
Since June 1 st 2015	40% Senior Consultant Hepatologist, UVCM, University Hospital Bern, Switzerland; Head: Prof. J-F Dufour
Since May 16 th 2011	Senior Consultant Hepatologist, UVCM, University Hospital Bern, Switzerland; Head: Prof. J-F Dufour
Since January 2014	Schwerpunktbezeichnung „Hepatology“ (FMH)
Since October 2012	„Zusatzbezeichnung Endokrinologie“
Since March 2011	„Zusatzbezeichnung Gastroenterologie“
Since August 2009	„Facharzt Innere Medizin“
04/2006-05/2011	M.D., University Hospital of Freiburg, Department of Gastroenterology, Hepatology, Endocrinology & Infectious Diseases, Head of Dep.: Prof. Dr. Drs. h.c. H.E. Blum

01/2003-03/2006	Postdoctoral research in HCV Immunology at the University of Oxford, Nuffield Department of Clinical Medicine, Head: Prof. Paul Klenerman
03/2005-10/2005	Honorary Clinical Assistant in the Gastroenterology Department of the John Radcliffe Hospital, Oxford/England
08/2000-01/2003	M.D. (Resident), University Hospital of Freiburg, Department of Gastroenterology, Hepatology, Endocrinology & Infectious Diseases, Head of Dep.: Prof. Dr. Drs. h.c. H.E. Blum

Funding

Since February 2014	Funding by the Schweizerische Alkoholstiftung (2 years)
Since August 2013	Gertud and Walter Siegenthaler Stiftung for 3 years
2007-2010	Funding by the DFG with the research title: "CD4 T Zellantworten bei der Hepatitis C Virusinfektion", Förderkennzeichen (SE 1719/2-1)
01/2003-03/2006	Scholarship by the Fritz Thyssen foundation to perform postdoctoral research in HCV Immunology in Oxford/UK

Clinical Trials and qualification

1. TAC 101
2. SOCS-B
3. STORM
4. SEARCH
5. SPACE
6. M10-963

Indication for study 1-6: **Hepatocellular carcinoma**

7. BI-1220.7 and BI-1220.30
8. BMS Quadruple Treatment
9. M11-646 (Abbvie)
10. M13-389 (Abbvie)
11. GS-US-337-0124 (GILEAD)

Indication for study 7-11: HCV Infection

GCP certificates from Germany and Switzerland

Publication list

Webpage containing the complete publication list of the main applicant:

<http://www.ncbi.nlm.nih.gov/pubmed?term=semmo>

1. Peer-reviewed articles (original publications)

Wang Q, Sachse P, Semmo M, Lokhande M, Montani M, Dufour JF, Zoulim F, Klenerman P, Semmo N. **T and B cell responses and previous exposure to hepatitis B virus in “anti-HBc alone” patients.** J Viral Hepat. 2015 Jun 15. doi: 10.1111/jvh.12428. [Epub ahead of print]

Semmo N, Weber T, Idle JR, Beyoğlu D. **Metabolomics reveals that aldose reductase activity due to AKR1B10 is upregulated in hepatitis C virus infection.** J Viral Hepat. 2015 Jul;22(7):617-24.

Patsenker E, Sachse P, Chicca A, Gachet MS, Schneider V, Mattsson J, Lanz C, Worni M, de Gottardi A, Semmo M, Hampe J, Schafmayer C, Brenneisen R, Gertsch J, Stickel F, Semmo N. **Elevated levels of endocannabinoids in chronic hepatitis C may modulate cellular immune response and hepatic stellate cell activation.** Int J Mol Sci. 2015 Mar 27;16(4):7057-76

Terczyńska-Dyla E, Bibert S, Duong FH, Krol I, Jørgensen S, Collinet E, Kutalik Z, Aubert V, Cerny A, Kaiser L, Malinverni R, Mangia A, Moradpour D, Müllhaupt B, Negro F, Santoro R, Semela D, Semmo N, **Swiss Hepatitis C Cohort Study Group, Heim MH, Bochud PY, Hartmann R; Reduced IFN λ 4 activity is associated with improved HCV clearance and reduced expression of interferon-stimulated genes.** Nat Commun. 2014 Dec 23;5:5699

Nischalke HD, Lutz P, Krämer B, Söhne J, Müller T, Rosendahl J, Fischer J, Berg T, Hittatiya K, Fischer HP, Soyka M, Semmo N, Nattermann J, Sauerbruch T, Strassburg CP, Stickel F, Spengler U. **A common polymorphism in the NCAN gene is associated with hepatocellular carcinoma in alcoholic liver disease.** J Hepatol. 2014 Nov;61(5):1073-9.

Huber A, Ebner L, Montani M, Semmo N, Roy Choudhury K, Heverhagen J, Christe A. **Computed tomography findings in liver fibrosis and cirrhosis.** Swiss Med Wkly. 2014 Feb 19;144

Bibert S, Roger T, Calandra T, Bochud M, Cerny A, Semmo N, Duong FH, Gerlach T, Malinverni R, Moradpour D, Negro F, Müllhaupt B, Bochud PY. **IL28B expression depends on a novel TT/-G polymorphism which improves HCV clearance prediction.** J Exp Med. 2013 Jun 3;210(6):1109-16

Er F, Ederer S, Nia AM, Caglayan E, Dahlem KM, Semmo N, Gassanov N. **Accuracy of Doppler-echocardiographic mean pulmonary artery pressure for diagnosis of pulmonary hypertension.** PLoS One. 2010 Dec 17;5(12):

Witkowski M, Spangenberg HC, Neumann-Haefelin C, Büttner N, Breous E, Kersting N, Drognitz O, Hopt UT, Blum HE, Semmo N, Thimme R. **Lack of ex vivo peripheral and intrahepatic α -fetoprotein-specific CD4+ responses in hepatocellular carcinoma.** Int J Cancer. 2010 Dec 17

Mueller M, Spangenberg HC, Kersting T, Altay T., Blum HE, Klenerman P, Thimme R, Semmo N. **Virus-specific CD4+ T cell responses in chronic HCV infection in blood and liver identified by antigen-specific upregulation of CD154.** J Hepatol 2010 Jun;52(6):800-11

Barnes E, Gelderblom HC, Humphreys I, Semmo N, Reesink HW, Beld MG, van Lier RA, Klenerman P: **Cellular Immune Responses during High-Dose Interferon-alpha Induction Therapy for Hepatitis C Virus Infection.** J Infect Dis. 2009 Mar 15;199(6):819-28

Danta M*, Semmo N*, Fabris P, Brown D, Pybus OG, Sabin CA, Bhagani S, Emery VC, Dusheiko GM, Klenerman P: **Impact of HIV on host-virus interactions during early hepatitis C virus infection.** J Infect Dis. 2008 Jun 1;197(11):1558-66

* Equal contribution

Nasser Semmo, George Krashias, Christian Willberg, Paul Klenerman: **Analysis of the relationship between cytokine secretion and proliferative capacity in hepatitis C virus infection.** J Viral Hepat. 2007 Jul;14(7):492-502

Michaela Lucas, Axel Ulsenheimer, Katja Pfafferot, Malte Heeg, Silvana Gaudieri, Norbert Gruener, Andri Rauch, J. Tilman Gerlach, Maria-Christina Jung, Reinhart Zchoval, Gerd R. Pape, Teresa Santantonio, Hans Nitschko, Martin Obermeier, Rodney Phillips, Thomas J. Scriba, Nasser Semmo, Cheryl Day, Jonathan N. Weber, Sarah Fidler, Robert Thimme, Paul Klenerman, Helmut M. Diepolder: **Tracking virus-specific CD4+ T cells during and after acute hepatitis C virus infection.** PLoS ONE. 2007 Jul 25;2(7):e649

Nasser Semmo, Michaela Lucas, George Krashias, Georg Lauer, Helen Chapel, Paul Klenerman: **Maintenance of HCV-specific T cell responses in antibody-deficient patients a decade after early therapy.** Blood 2006;107:4570-4571

Gillian Harcourt, Thomas J. Scriba, Nasser Semmo, Eleanor Taylor, Sarah Bounds and Paul Klenerman: **Identification of key peptide-specific CD4+ T cell responses to human cytomegalovirus: implications for tracking antiviral populations.** Clin Exp Immunol. 2006 Nov;146(2):203-10

Nasser Semmo, Cheryl L. Day, Scott M. Ward, Michaela Lucas, Gillian Harcourt, Andrew Loughry, Paul Klenerman: **Preferential loss of IL-2 secreting CD4+ T helper cells in chronic HCV infection.** Hepatology 2005;41(5):1019-1028

Nasser Semmo, Eleanor Barnes, Craig Taylor, John Kurtz, Gillian Harcourt, Neil Smith, Paul Klenerman: **T-cell responses and previous exposure to hepatitis C virus in indeterminate blood donors.** Lancet 2005; 365:327-29

2. Reviews

Lokhande MU, Thimme R, Klenerman P, Semmo N. **Methodologies for the Analysis of HCV-Specific CD4(+) T Cells**. Front Immunol. 2015 Feb 25;6:57.

Gassanov N, Caglayan E, Semmo N, Massenkeil G, Er F. **Cirrhotic cardiomyopathy: a cardiologist's perspective**. World J Gastroenterol. 2014 Nov 14;20(42):15492-8.

Müller M, Blum HE, Er F, Thimme R, Semmo N. **Cellular immune response in Hepatitis C infection: role of CD154 expression and clinical relevance**. Dtsch Med Wochenschr. 2011 May;136(20):1073-7

Gassanov N, Semmo N, Semmo M, Nia AM, Fuhr U, Er F. **Arginine vasopressin (AVP) and treatment with arginine vasopressin receptor antagonists (vaptans) in congestive heart failure, liver cirrhosis and syndrome of inappropriate antidiuretic hormone secretion (SIADH)**. Eur J Clin Pharmacol. 2011 Apr;67(4):333-46

Semmo N, Klenerman P: **CD4+ T cell responses in hepatitis C virus infection**. World J Gastroenterol. 2007 Sep 28;13(36):4831-8

Paul Klenerman and Nasser Semmo:
Cellular immune responses against persistent hepatitis C virus: gone but not forgotten. Gut. 2006 Jul;55(7):1012-9

Paul Klenerman, Nasser Semmo, Scott Ward:
Cellular immune responses against HCV: T cells take a diversion in the liver. Hepatology 2004;40:1459-1461

3. Book contributions:

Bostjan Humar and Nasser Semmo:
Endocannabinoid signaling in liver pathologies. Signaling Pathways in Liver Diseases (submitted 05/2014)

Paul Klenerman, Scott Ward and Nasser Semmo:
Immunopathogenesis of HCV Infection. In: Human Virus Guides. Publisher: International Medical Press 2009: 7.1-7.13

Henning Schwacha and Nasser Semmo:
Gallenwege und exokrines Pankreas. In: Klinische Pathophysiologie. Publisher: Walter Siegenthaler und Hubert E. Blum. Thieme Verlag 2006: 889-913

Eleanor J. Barnes, Nasser Semmo and Paul Klenerman:
Immunology of hepatitis C virus. In: Hepatitis prevention and treatment. Publisher: Birkhäuser Verlag 2004:107-123

4. Case reports:

Abdulazim A, Hädrich M, Montani M, Semmo N. **Acute Hepatitis Induced by Lyprinol, the Lipid Extract of the Green-Lipped Mussel (*Perna canaliculus*), in a Patient with Polyarthrosis.** Case Reports Hepatol. 2012;2012:135146

Nia AM, Abel J, Semmo N, Gassanov N, Er F. **86-year-old patient with vomiting and loss of consciousness: the Mackler Triad.** Dtsch Med Wochenschr. 2011 Sep;136(36):1779-80

Sundermann S, Nia AM, Semmo N, Gassanov N, Er F. **Distinctive facial appearance in an 83-year-old man with dyspnea.** Dtsch Med Wochenschr. 2011 Jun;136(24):1317-8

Semmo N, Seuthe B, Er F, Spangenberg HC, Blum HE. **A rare cause of an indistinct liver lesion in an elderly woman.** Dtsch Med Wochenschr. 2011 Jun;136(23):1251-4.

Ederer S, Nia AM, Gassanov N, Semmo N, Er F. **Fingernail alterations in a 71-year-old man. Terry's Nails (Pseudoleukonychie).** Dtsch Med Wochenschr. 2011 Mar;136(12):591-2