

## 1. General Information

Prof. Dr. Dr. Detlef Schuppan, MD, PhD  
 Professor of Medicine (Germany)  
 Professor of Medicine (Harvard Medical School)  
 Director Institute of Translational Immunology  
 & Celiac Disease/Liver Fibrosis Clinics  
 Dept. of Medicine I  
 D-55131 Mainz, Langenbeckstr.1, 55131 Mainz  
 Tel: +49-6131-177355/56, Fax: +49-6131-177357  
 Email 1: [detlef.schuppan@unimedizin-mainz.de](mailto:detlef.schuppan@unimedizin-mainz.de)  
 Email 2: [dschuppa@bidmc.harvard.edu](mailto:dschuppa@bidmc.harvard.edu)



Secretarial assistance:  
 Dr. Berit Kirchhoff, PhD  
[berit.kirchhoff@unimedizin-mainz.de](mailto:berit.kirchhoff@unimedizin-mainz.de)  
 Tel.: +49-6131-177355/56  
 Fax: +49-6131-177357  
 Labor: +49-6131-179783

E-Mail: 1. [detlef.schuppan@unimedizin-mainz.de](mailto:detlef.schuppan@unimedizin-mainz.de)  
 2. [dschuppa@bidmc.harvard.edu](mailto:dschuppa@bidmc.harvard.edu)

Phone: +49-6131-177355/56 FAX: +49-6131-177357

Place of Birth: Essen, Germany

## 2. Education, Training, Appointments

### *Education in Biochemistry:*

- 1973-79 Master's (Diploma) in Biochemistry, Ludwig Maximilians University and Max-Planck-Institute for Biochemistry, Munich, Germany
- 1979-82 Ph.D. in Biochemistry, Ludwig Maximilians University and Max-Planck-Institute for Biochemistry, Munich, Germany

### *Postdoctoral Training and Degrees in Biochemistry:*

- 1982-86 Postdoctoral fellow, Department of Medicine, Division of Gastroenterology, Free University of Berlin, Germany
- 1992 Postdoctoral Degree in Biochemistry (Habilitation), Faculty of Medicine and Life Sciences, Free University of Berlin, Germany

### *Education in Medicine:*

- 1981 Preliminary Medical Examination (Physikum), Benjamin Franklin Hospital, Free University of Berlin, Germany

## Steering committee of the FZI

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1982	First Medical State Examination (I. Staatsexamen), Benjamin Franklin Hospital, Free University of Berlin, Germany
1985	Second Medical State Examination (II. Staatsexamen), Benjamin Franklin Hospital, Free University of Berlin, Germany
1985-86	Intern, Dept. of Surgery, Dept. of Gynecology and Division of Gastroenterology/ Hepatology, Auguste Viktoria Hospital and Benjamin Franklin Hospital, Free University of Berlin, Germany
1986	M.D., Third Medical State Examination (III. Staatsexamen), Benjamin Franklin Hospital, Free University of Berlin, Germany

### *Postdoctoral Training and Degrees in Medicine:*

1986-89	Resident in General Internal Medicine, Benjamin Franklin Hospital, Free University of Berlin, Germany
1989	Ph.D. in Internal Medicine, Benjamin Franklin Hospital, Free University of Berlin, Germany
1989-92	Fellowship in General Internal Medicine and Gastroenterology, Dept. of Medicine I (Infectiology, Gastroenterology and Hepatology), Benjamin Franklin Hospital, Free University of Berlin, Germany
1996	Postdoctoral Degree in Medicine (Habilitation), Department of Medicine, Benjamin Franklin Hospital, Free University of Berlin, Germany

### *Licensure and Certification:*

1986	Medical License, B. Franklin Hospital, Free University of Berlin, Germany
1986	ECFMG, Philadelphia, USA
1993	Controlled License Registration (Germany)
1993	Board Certification (Internal Medicine), Chamber of Medicine, Berlin, and Faculty of Medicine, Free University of Berlin, Germany
1996	Board Certification (Gastroenterology and Hepatology), Chamber of Medicine, Berlin, and Faculty of Medicine, Free University of Berlin, Germany
2004-2007	Temporary Massachusetts Medical License
2005	DEA Controlled Substance Registration (USA)
2007-date	Full Massachusetts Medical License

### *Academic Appointments:*

1987-1992	Instructor in Biochemistry, Faculty of Medicine and Life Sciences, Free University of Berlin, Germany
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## Steering committee of the FZI

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1992-1997	Postdoctoral Lecturer in Biochemistry (Habilitation, equivalent to Assistant Professor), Faculty of Medicine and Life Sciences, Free University of Berlin, Germany
1993-1994	Assistant Professor of Medicine, Division of Gastroenterology, Dept. of Medicine I (Infectiology, Gastroenterology and Hepatology), Benjamin Franklin Hospital, Free University of Berlin, Germany
1994-1997	Hermann and Lilly Schilling Professorship (Internal Medicine, Associate Professor level), Benjamin Franklin Hospital, Free University of Berlin, Germany
1996-1997	Postdoctoral Lecturer in Internal Medicine (Habilitation), Benjamin Franklin Hospital, Free University of Berlin, Germany
1997-2004	Full Professor of Medicine (Tenure) and Vice Director of the Dept. of Gastroenterology, Hepatology, Infectiology and Endocrinology, Friedrich-Alexander-University of Erlangen-Nuremberg, Germany
2004-2007	Lecturer on Medicine, Harvard Medical School, Boston, MA
2007-2009	Associate Professor of Medicine, Harvard Medical School, Boston, MA
2010ff	Full Professor of Medicine, Harvard Medical School, Boston, MA
2010ff	Full Professor of Medicine, Director Institute of Translational Immunology, Director Clinical Liver Fibrosis and Celiac Disease Centers, Dept. of Medicine I, Johannes-Gutenberg-University, Mainz, Germany
2011ff	Senior Visiting Scientist, Harvard Medical School, Boston, MA

### *Hospital or Affiliated Institution Appointments:*

1981-1982	Instructor in Medicine, laboratory and research group leader, Dept. of Medicine (Gastroenterology and Hepatology), Phillips-University, Marburg, Germany
1982-1993	Instructor in Medicine, laboratory and research group leader, Dept. of Medicine I (Gastroenterology and Hepatology), Benjamin Franklin Hospital, Free University of Berlin, Germany
1993-1996	Staff Physician and Consultant (Oberarzt), Emergency Medicine, Benjamin Franklin Hospital, Free University of Berlin, Germany
1996-1997	Staff Physician and Consultant (Oberarzt), Dept. of Medicine I (Gastroenterology and Hepatology), Benjamin Franklin Hospital, Free University of Berlin, Germany
1997-2004	Staff Physician, Clinical Deputy Director and Chief Consultant (Stv. Klinikdirektor and Leitender Oberarzt), Dept. of Medicine I (Gastroenterology, Hepatology, Infectiology and Endocrinology), Friedrich-Alexander-University of Erlangen-Nuremberg, Germany

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2005-2010	Staff Physician and Consultant, Harvard Medical Faculty Physicians and Division of Gastroenterology, Dept. of Medicine, Beth Israel Deaconess Medical Center, Boston, MA
2005-2010	Director of the Liver and Celiac Disease Research Centers at BIDMC and Harvard Medical School
2013ff	Director Institute of Translational Immunology, Consultant, Director of the Clinical Liver Fibrosis and Celiac Disease Centers Dept. of Medicine I, Johannes-Gutenberg-University, Mainz, Germany

### 3. Select Committees:

1999-2001	Scientific Committee Secretary, European Association for the Study of the Liver (EASL)
2000-2003	Council Member, International Liaison Bureau, American Gastroenterological Association
2001-2003	Administrative Secretary, European Association for the Study of the Liver (EASL)
2001-05	Council Member, United European Gastroenterology Foundation (UEGF)
2001-05	Council Member, International Association for the Study of the Liver (IASL)
2006-09	Basic Research Committee of the American Association for the Study of Liver Diseases
2008ff	Ad hoc reviewer for 4 NIH/NIDDK study sections

### 4. Editorial Boards:

2000-2004	Gut (Editorial Board)
2001-2004	Journal of Hepatology (Associate Editor)
2004-2009	Journal of Hepatology (Associate Editor)
2002-2007	Gastroenterology (Editorial Board)
2009ff	American Journal of Physiology (Associate Editor)
2009ff	Journal of Hepatology (Special Section Editor)
2011ff	Gastroenterology (Associate Editor)
2012ff	Journal of Clinical Investigation (Editorial Board)

### 5. Awards and Honours:

1986	Dame Sheila Sherlock Award, International Association for the Study of the Liver (IASL)
1990	Lucie-Bolte Promotion Award for Research in Liver Diseases
1997, 2000, 2001, 2004	Annual Award of the German Celiac Society
2004	Visiting Professor, Div. of Gastroenterology and Hepatology, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, USA

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2004	Visiting Professor, Div. of Gastroenterology and Hepatology, Columbia University, New York, USA
2008	Visiting Professor, Div. of Gastroenterology and Hepatology, Duke University, Durham, NC, USA
2008	Visiting Professor, Food and Drug Administration, White Oaks, USA
2008	Visiting Professor, Div. of Gastroenterology and Hepatology, Yale University, New Haven CT, USA
2008	Visiting Professor, Div. of Mucosal Biology and Gastroenterology, University of Maryland, Baltimore, MD, USA
2009	Visiting Professor, Div. of Gastroenterology and Hepatology, Mayo Clinic, Rochester, MN, USA
2011	ERC Advanced Grant der EU (Development of quantitative imaging for liver fibrosis and fibrogenesis)
2013	Visiting Professor, Div. of Gastroenterology and Hepatology, Univ. of California at Los Angeles, USA
2013	Visiting Professor, Div. of Gastroenterology and Hepatology, Univ. of California at San Diego, USA
2013	Visiting Professor, La Jolla Institute of Allergy and Immunology, La Jolla, USA
2013	Visiting Professor, Dept. of Immunology, The Weizmann-Institute, Rehovot, Israel
2013	Visiting Professor, Div. of Gastroenterology and Hepatology, Univ. of Michigan at Ann Arbor, USA

## 6. Publications and Patents

### 10 Selected Publications:

1. Gerling B, Becker M, Luck W, Staab D, **Schuppan D**. Serum collagen VI predicts liver fibrosis in children with cystic fibrosis. *N Engl J Med* 1997;336:1611-2. (IF 51.4)
2. Dieterich W, Ehnis T, Bauer M, Volta A, Donner P, Riecken EO, **Schuppan D**. Identification of tissue transglutaminase as the autoantigen of coeliac disease. *Nat Med* 1997;3:797-801. (IF 23.5)
3. Patsenker E, Popov Y, Stickel F, Jonczyk A, Goodman SL, **Schuppan D**. Inhibition of integrin alphavbeta6 on bile duct epithelial cells blocks tgfbeta activation and retards progression of biliary fibrosis. *Gastroenterology* 2008;135:660-70. (IF 12.1)
4. Kornek M, Popov Y, Libermann TA, Afdhal NH, **Schuppan D**. Human T cell microparticles circulate in blood of hepatitis patients and induce fibrolytic activation of hepatic stellate cells. *Hepatology* 2011;53:230-42. (IF 11.9)
5. Popov Y, Sverdlov DY, Sharma AK, Bhaskar KR, Li SY, Freitag T, Dieterich W, Melino G, **Schuppan D**. Tissue transglutaminase does not affect the degree of fibrosis, fibrotic matrix stability and hepatic fibrosis reversal in mice. *Gastroenterology* 2011;140:1642-52. (IF 12.1)
6. Junker Y, Zeissig S, Kim SJ, Barisani D, Wieser H, Leffler DA, Zevallos V, Libermann TA, Dillon S, Freitag TL, Kelly CP, **Schuppan D**. Wheat amylase

- trypsin inhibitors drive intestinal inflammation via activation of toll-like receptor 4. *J Exp Med.* 2012;209:2395-408. (IF 13.4)
7. Yoshida S, Kornek M, Ikenaga N, Schmelzle M, Masuzaki R, Csizmadia E, Wu Y, Robson SC, **Schuppan D**. Sub-lethal heat treatment promotes epithelial-mesenchymal transition and enhances the malignant potential of hepatocellular carcinoma. *Hepatology* 2013 May 31. doi: 10.1002/hep.26526. (IF 12.0)
  8. Berenguer M, **Schuppan D**. Progression of Liver Fibrosis in Post-Transplant Hepatitis C: Mechanisms, Assessment and Treatment. *J Hepatol.* 2012;58:1028-41. (IF 9.8)
  9. Kornek M, Lynch M, Mehta SH, Lai M, Exley M, Afdhal NH, **Schuppan D**. Circulating microparticles as disease-specific biomarkers of severity of inflammation in patients with hepatitis C or nonalcoholic steatohepatitis. *Gastroenterology* 2012;143:448-58. (IF 12.1)
  10. **Schuppan D**, Kim YO. Evolving therapies for liver fibrosis. *J Clin Invest* 2013;123: 1887-901. (IF 15.2)

*General publications and patents:*

PubMed cited articles (no abstracts): 415 (with abstracts 1070)      H-index: 65

Citations: 16650 (no abstracts)

Book chapters: 70

Granted international patents: 20