
Prof. Dr. med. Dr. h.c. PETER SCHEMMER, MBA, FACS

Dept. of Surgery
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Achievements

Advancement and establishment of novel modalities in the clinical routine of the surgical technique in both liver transplantation and hepatobiliary surgery

Demonstration of the pathophysiological impact of inevitable organ manipulation during surgery on hepatic microcirculation and ischemia / reperfusion injury

Characterization of multimodal protective strategies against organ (i.e. liver, kidney) injury during the process of surgery, transplantation and chemotherapy

Continued research and development of current chemotherapeutic regimens against primary and metastatic cancer (i.e. colorectal, pancreatic, hepatocellular, and cholangiocellular cancer)

Current positions / functions

Chairman, Division of Transplant Surgery, Dept. of Surgery
Professor of Transplant Surgery

Profile

Clinical Expertise

General, Visceral, and Transplant Surgery including laparoscopic techniques with special interest in:

- Surgical Oncology
- Hepatobiliary Surgery
- Pancreatic Surgery
- Transplant Surgery (liver, kidney, pancreas)
- Upper Gastrointestinal (GI) Surgery
- Lower GI Surgery
- Endocrine Surgery
- Surgery for Inflammatory Bowel Disease
- Surgery for Familial Adenomatous Polyposis

Research

- Ischemia / reperfusion injury
- Organ transplantation
- Primary and metastatic liver cancer
- Regeneration / stem cells
- Surgical technique

Hospital organization and management

Education

2007-2008	International Health Care Management Institute (IHCI) International executive study of MBA Health Care Management at the IHCI (A joint institute of the University of Trier, University of Salzburg Business School, Philipps-University of Marburg, and the University of Luxemburg) Master Thesis: <i>Lab MELD-based organ allocation increases the overall costs of liver transplantation: A single-center experience</i>
2008	Degrees: - Master of Health Care Management (MBA) University of Salzburg - MBA (Health Care Management) University of Trier
1994	District Hospital Bad Homburg, Germany Internship in Internal Medicine Cantonal Hospital St. Gallen, Switzerland Internship in Orthopedic Surgery Medical College of Virginia, Richmond, USA Internship in General and Transplant Surgery
1988-1994	Justus-Liebig University, Giessen, Germany Study of Medicine with 3 months clinical electives / rotations in surgery at Memorial University of Newfoundland, Canada ^{*1} Ohio State University, USA ^{*1}

Medical Career

Since 11/2016	Medical University of Graz, Austria Division of Transplant Surgery, Dept. of Surgery Chairman and Professor of Surgery
10/2016-11/2016	Barmherzige Schwestern Hospital Linz, Austria Department of General and Visceral Surgery Chairman
1994-2016	University Hospital Heidelberg, Germany Department of General, Visceral, and Transplant Surgery Chairman: Prof. Dr. Dr. h.c. mult. M.W. Buehler (since Oct. 2001) Prof. Dr. Dr. h.c. Ch. Herfarth (prior to Sept. 2001)
2013-2016	Vice Chairman
2012-2016	Executive / Managing Senior Physician
2011-2016	Head of Section, Transplant Surgery (Kidney, Pancreas, and Liver)
2010	Head of Section, Liver Surgery
2010-2011	Vice CEO of the Surgical Trial Center (KSC)
2007-2011	First Attending
2007-2016	Associate Professor
2005-2010	Vice Chairman, Liver Transplantation Program
2003-2006	Consultant
1999-2016	Group Leader, Research Group with focus on: - Surgical oncology - Regenerative medicine - Transplantation (Kidney, Liver, and Pancreas)

^{*1} Scholarship of the German Academic Exchange Service (DAAD)

1996-1998	University of North Carolina at Chapel Hill, USA Transplant Fellowship* ²
2001	Salem Hospital, Heidelberg, Germany Department of General Surgery, 6 months clinical rotation
1996	District Hospital, Nagold, Germany Department of General and Vascular Surgery, 6 months clinical rotation
1994-2002	Residency

Licenses and Academic Titles

2011	Surgical Intensive Care Medicine Board certified by State Medical Council of Baden-Württemberg, Germany
2008	Visceral Surgeon Board certified by State Medical Council of Baden-Württemberg, Germany
2007	Professor Awarded by Ruprecht-Karls University, Heidelberg, Germany
2004	Postdoctoral Lecture Qualification (Habilitation, Ph.D. equivalent) Ruprecht-Karls University, Heidelberg, Germany Department of General, Visceral, and Transplant Surgery University Hospital, Heidelberg Thesis: <i>Harvest-related injury of liver: mechanisms of injury after experimental organ manipulation during organ procurement for transplantation with special focus on Kupffer cell function, microcirculation, hypoxia, gut permeability, and the vegetative nervous system</i>
2002	General Surgeon Board certified by State Medical Council of Baden-Württemberg, Germany
2001	Technical knowledge in Radiation Protection <i>Emergency Diagnostics and Chest X-ray</i> Board certified by State Medical Council of Baden-Württemberg, Germany
2001	Emergency Medicine Board certified by State Medical Council of Baden-Württemberg, Germany
1996	Medical Rescue Service Board certified by State Medical Council of Baden-Württemberg, Germany
1996	Doctorate in Medicine (Dr. med.) Awarded by Justus-Liebig University Giessen, Germany M.D. Thesis: <i>The impact of malignant tumor growth on graft rejection with immunosuppressive therapy with CyA and/or Chemotherapy with 5-FU</i> <u>Advisor:</u> Prof. Dr. W. Padberg, Dept. of Surgery, University Hospital Giessen
1994	Medical License Awarded by the Medical Professionals Examinations Authority in Hesse, Germany

*²Funded by the German Research Foundation (DFG)

Additional Qualifications and Certifications

2011, 2014-2016	GCP Certifications Refresher Courses I and II, GCP-Service International Medical Examiner's Certification, Medical Information Education (EuMeCom GmbH)
2012-2013	Academy for Medical Professions, Heidelberg, Germany Seminar on Leadership, Management and Responsibility Part I-III Areas of Focus: Efficiency, Leadership Training, and Conflict Management
2004-2007	Academy of Administration and Business Baden-Württemberg, Germany Certification in Legal Affairs, Business Management, and Leadership and Responsibility in Hospitals
2005	German Society for Quality (DFQ) Certification in Healthcare QM-Systems and Internal Auditing practices Business Management and Contract Negotiations
2004-2005	European Society of Organ Transplantation Diploma of HESPERIS course in Transplantation
2003	German Transplantation Society Certification in Transplant Operative Procedures (TOP), Berlin, Germany
2003	Ruprecht-Karls University, Heidelberg, Germany HeiCuMed Lecturer Training Seminar
2002	Ruprecht-Karls University, Heidelberg, Germany Lecturer Training Seminar on Problem-oriented Learning (POL)
2002	European Society of Organ Transplantation European Transplant Fellow Workshop
2001	Practical Course Gastroenterological Surgery, Davos, Switzerland Areas of Focus: Advanced conventional and laparoscopic surgical techniques
1999	University Medical Centre Mannheim, Germany Practical training in Fiber Bronchoscopy
1997	University of North Carolina, Chapel Hill, USA Certification in Radiation Safety
1995	Practical Course Vascular Surgery, Zermatt, Switzerland Areas of Focus: Surgical training in vascular surgery

Publications

Publications* ¹	362
PubMed listed citations	275
Total Impact Factor* ²	906.535
Citation Report (n)* ³	349
Sum of the Times Cited* ³	7254
Average Citations / Publication* ³	11.29
H-Index* ⁴	43

*¹ without published abstracts, doctoral dissertation, habilitation, master thesis, patent; August 7th, 2016

*² IF 2015

*³ source: Web of Science [search: all databases for: AUTHOR: (schemmer p) OR TITLE: (How is the liver primed or sensitized for alcoholic liver disease?)]; August 7th, 2016

*⁴ source: Google Scholar; August 7th, 2016

Patents

2008 Inventors: Schemmer P., Sobirey M., Schneider H.
Medicament containing Danshen for use in prevention and/or treatment of infections; EP1970069 A1

Thesis Advisor for Doctorates in Medicine (Dr. med.)

Since 2001 45

Clinical Trials conducted

Since 2003	Assignment	Number
Investigator Initiated Trials (Own work, some of which were multi-center trials)	Principal Investigator, Lead Clinical Investigator, Clinical Trial Director	5
Observational Trials (Own work)	Director of studies	11
Investigator Initiated Trials (In collaboration with others)	Principal Investigator, Sub-Investigator	5
Contract Research (For Industry)	Principal Investigator, Sub-Investigator	18
Clinical Trials [Total Number]		39

Third-party funds raised to date

Since 1996 > 3,210,000 €

Prizes and Awards

2016 **Doctor Honoris Causa, Universitas Vilnensis, Lithuania** for outstanding research achievement in the fields of surgical oncology and visceral (liver, kidney, pancreas) transplantology

2016 **Honorary Membership of the Istanbul Gastrointestinal Surgery Society**

2016 **Plaque of Appreciation of the Istanbul Gastrointestinal Surgery Society**

2014 **President Elect of the Japanese-German Society for the Study of Liver Surgery** for the period of 2016-2018

2012 **Honorary Membership of the Lithuanian Association of Transplantologists**

2009 **Felicién-Steichen-Advancement Award, German Society of Surgery**
In recognition of the innovative use of staplers in liver surgery

2008 **Young Investigator Award, 7th Asian Congress for Microcirculation**
Awarded for the project entitled: *GTE improves hepatic microcirculation*

2008 **Young Investigator Award, European Liver Transplant Association**
Awarded for the project entitled: *Melatonin protects from ischemia / reperfusion injury*

- 2007 **Edgar Ungeheuer-Award, German Society of Surgery**
In recognition of the production of didactic educational videos on surgical procedures for the media library of the German Society of Surgery
- 2005 **Rudolph Pichlmayr-Award, German Transplantation Society**
In recognition of the scientific achievements in the field of transplantation medicine
- 2003 **Advancement Award of the German Cancer Research Center**
For the conceptualization of a training module to establish the Da Vinci Robotic System in the clinical routine
- 2001 **Transplantation Scholarship, German Transplantation Society**
In recognition of the scientific achievements in the fields of Transplantation Medicine and Immunosuppression
- 2001 **Novartis Young Investigator Award**
“Transplant Odyssey”
- 1998 **The Ten Most Popular Articles of 1998**
P. Schemmer et al., Transplantation 1998; 65(8): 1015-1020 in www.centerspan.org/pubs/transplantation/98ten.htm

Awards for Posters

- 2009 **20th Workshop on experimental and clinical Liver Transplantation and Hepatology (Wilsede, Germany)**
Glycine protects from chemotherapy-induced hepatotoxicity
- 2007 **16th Annual Meeting of the German Transplantation Society**
Melatonin protects from hepatic reperfusion injury through inhibition of IKK and JNK pathways and modification of cell proliferation
- 2005 **6th Congress of the European Hepato-Pancreato-Biliary Association**
Taurine improves hepatic microcirculation after warm ischemia in the rat
- 2005 **16th Workshop on Experimental and Clinical Liver Transplantation and Hepatology (Wilsede, Germany)**
Interventional therapy of venous congestion after liver transplantation: a case report
- 2004 **15th Workshop on Experimental and Clinical Liver Transplantation and Hepatology**
Experimental evaluation of sealants in liver and transplantation surgery
- 2004 **92nd Assembly of Middle Rhineland Surgeons**
Taurine improves survival after experimental liver transplantation

Scholarships and Grants

- 2010 and 2008 **The Surgical Foundation of the University Hospital, Heidelberg**
Fellowships in Transplant Surgery at the University of Minnesota Medical Center (Advisers: Prof. T. Pruett and Prof. D.E.R. Sutherland) and Miami Transplant Institute (Adviser: Prof. A.G. Tzakis)
Scholarship for International Executive MBA Health Care Management
- 2007 and 2008 **German Transplantation Society**
The society’s travel grants for visiting the 16th and 17th Annual Meetings
- 2007 **The Transplantation Society**
Travel grant for the Basic Science Symposium, Halifax, Canada

2002 and 2007	Japan Surgical Society Travel grants for the 102 nd and 107 th Congress of Japan Surgical Society
2001	German Society of Surgery Travel grant for the 101 st Congress of Japan Surgical Society
1996-2000	German Research Foundation (DFG) Various travel grants for research activities (n=5) One-year Education grant (n=2)
1992 and 1994	German Academic Exchange Service (DAAD) Three-month Clinical electives in the USA and Canada

Scientific Journal Affiliations

Managing Editor

2011-2016 Transplant aktuell

Associate Editor

Since 2014 Langenbeck's Archives of Surgery

Guest Editor

2013 Clinical Transplantation 2013; 27(Suppl. 25)
 2012 HPB Surgery 2012; Special Issue
 2009 Der Chirurg 2009; 80(10)
 2007 Transplantationsmedizin 2007; Suppl. I to 18
 2002 Transplantation Proceedings 2002; 34(6)
 2002 Chirurgische Gastroenterologie 2002; Suppl. to 18(1)
 2001 Transplantationsmedizin 2001; Suppl.

Editorial Board Member

Since 2014 World Journal of Nephrology
 Since 2014 World Journal of Gastroenterology
 Since 2014 Edorium Journal of Surgery
 Since 2014 Journal of Surgery and Operative Care
 Since 2013 World Journal of Hepatology
 Since 2013 Global Journal of Gastroenterology & Hepatology
 Since 2012 World Journal of Clinical Case Conference
 Since 2012 World Journal of Gastrointestinal Pathophysiology
 Since 2012 Liver Cancer
 Since 2011 World Journal of Transplantation
 Since 2010 Global Journal of Surgery
 Since 2010 World Journal of Gastrointestinal Endoscopy
 Since 2008 The Open Medical Imaging Journal
 2007-2014 The Open Surgery Journal

Advisory Board

Since 2014 Diatra-Journal
 Since 2013 Open Access Cancer
 Since 2013 Journal of the Royal Medical Service
 2009-2014 Framingham on Transplantation - Germany

Journal Reviewer (*A selection of journals with an impact factor >5; total of 70 journals*)

Surgery: Annals of Surgery, British Journal of Surgery, Journal of the American College of Surgeons

Transplantation: American Journal of Transplantation

Miscellaneous: Gastroenterology, Gut, Journal of Hepatology, Critical Care Medicine, Molecular Cancer Therapeutics, Expert Opinion on Drug Delivery, Cochrane Database of Systematic Reviews, Cancer Letters

Member in Scientific Societies and Committees

Since 2016	FACS
Since 2014	Surgical Study Group “Oncology” of the German Society of Surgery
Since 2013	Surgical Study Group “Liver Biliary and Pancreatic Disease” of the German Society of Surgery
Since 2010	Association of Middle Renish Surgeons
Since 2008	German Society of Visceral Surgery
Since 2008	International Hepato-Pancreato-Biliary Association
Since 2007	Study Group “Preservation Solution and Ischemia/Reperfusion within the Commission Organ Donation and Organ Retrieval (KOSE)” of the German Transplantation Society
Since 2005	European Liver Transplantation Society
Since 2005	European Society of Organ Transplantation
Since 2002	German Association for the Study of Liver Disease
Since 2001	Surgical Study Group Transplantation of the German Society of General and Visceral Surgery
Since 2001	German Transplantation Society
Since 2001	Japanese-German Society for the Study of Liver Surgery
Since 2000	The Transplantation Society
Since 1996	German Society of Surgery

Scientific Appointments

Committees

German Transplantation Society

Since 2013	Member, Executive Committee
Since 2013	Chairman, Commission Organ Retrieval
2012-2013	Vice Chairman, Commission Organ Donation and Retrieval
Since 2012	Member, research group “Pancreas Retrieval”
Since 2007	Coordinator, study group “Preservation Solution and Ischemia/Reperfusion within the Commission Organ Donation and Retrieval (KOSE)”

Association of Middle Renish Surgeons

Since 2014	Mentor, Mentorship program for Young Surgeons
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German Transplant Foundation (DSO)

2013-2016	Chairman, work group “Organ Retrieval” of the Regional Advisory Board (Baden-Württemberg)
2013-2016	Chairman, Regional Advisory Board (Baden-Württemberg)
2011-2013	Vice Chairman, Regional Advisory Board (Baden-Württemberg)
2012-2016	Founding Member, work group “Organ Retrieval” for The Regional Advisory Board (Baden-Württemberg)
Since 2011	Member, National Advisory Board

Liver Cancer Center Heidelberg

2012-2016	Founding Member
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Eurotransplant Organ Procurement Committee

Since 2012	Member, Representative of the German Transplantation Society
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German Society of Surgery

2012-2016 Coordinator, framework “Priority Programs” in the field of Transplantation

German Society of General and Visceral Surgery

Since 2011 Member, Executive Committee of the study group “Transplantation”

International Conferences

- 2018 **8th International Forum of Liver Surgery of the Japanese-German Society for the Study of Liver Surgery, Germany**
Congress President
- 2016-2011,
and 2003 **Heidelberg Transplant Symposium**
Member, Congress Executive and Program Committee
- 2015 **Olbert Symposium on Interventional Radiology of the German, Swiss and Austrian Society of Interventional Radiology (Berlin, Germany)**
Faculty Member
- 2011 **46th Annual Congress of the European Society for Surgical Research**
Member, International Advisory Board
- 2010 **Congress of the German Society of Nutritional Medicine (DGEM)**
Member, Scientific Committee
- 2007 **18th Workshop on Experimental and Clinical Liver Transplantation and Hepatology (Wilsede, Germany)**
Member, Conference Executive and Program Committee
- 2005 **6th Conference of the European Hepato-Pancreato Biliary Association**
Member, Faculty & Local Organizing Committee
- 2001 **10th Annual Meeting of the German Transplantation Society**
Conference Secretary

Abstract Reviewer

- Since 2011 Annual Meetings of the European Society for Clinical Nutrition and Metabolism (ESPEN)
- Since 2007 Congress of the German Society of Surgery
- Since 2006 Annual Meetings of the German Transplantation Society

Grant Proposal Reviewer

- Since 2014 Research Foundation - Flanders, Brussels, Belgium
- Since 2014 Else Kröner-Fresenius-Foundation, Bad Homburg, Germany
- Since 2013 Medical Research Council (MRC), London, England
- Since 2012 Surgical Foundation of the University Hospital Heidelberg, Germany
- Since 2012 Institut National du Cancer, Paris, France
- Since 2008 German Research Foundation (DFG), Bonn, Germany

Post-Graduate Courses in Liver and Transplant Surgery (Heidelberg, Germany)

- 2011-2016 **Training in Transplant Surgery**
Lead Executive, Program and Scientific Committee Member (Certified by the Board of the Medical Council Baden-Württemberg, Germany)
- 2008-2016 **Hands-on Course in Pancreatic Surgery**
Program and Scientific Committee Member (Certified by the Board of the Medical Council Baden-Württemberg, Germany)

2007-2016 **Hands-on Course in Liver Surgery**
Lead Executive, Instructor, Program and Scientific Committee Member
(Certified by the Board of the Medical Council Baden-Württemberg,
Germany)

2007-2016 **Hands-on Course in Colorectal Surgery**
Program and Scientific Committee Member (Certified by the Board of the Medical
Council Baden-Württemberg, Germany)

Visiting Professor / Special Lecturer / Grand Rounds

2013 **Nanjing Medical University, China**
Visiting Professor, Department of General Surgery
Special lecture: *Modern aspects in liver surgery*

2012 **Constituent Assembly of the Lithuanian Association of Transplantologists,
Druskininkai, Lithuania**
Keynote lecture: *Liver Transplantation - surgical technique and management of
postoperative complications*

2010-2012 **German Society of Surgery, Germany**
For the 127th - 129th congresses held in Berlin and Munich
Discussion: *Various abstracts on transplantation*

2011 **University of Miami, School of Medicine, Miami, USA**
Grand Rounds, Jackson Memorial Hospital and Miami Transplant Institute
Lectures: *Liver cell transplantation for the treatment of inborn errors of
metabolism and Ischemia reperfusion injury in liver*

2010 **University of Minnesota, Minneapolis, USA**
Grand Rounds, Department of Surgery
Lecture: *Ischemia reperfusion injury after liver transplantation: where do we
stand today?*

2009 **Menoufia University, Cairo, Egypt**
Grand Rounds, Department of Liver Transplantation
Lectures: *To Pringle or not to Pringle - is still an unsolved question?; Is veno-
venous bypass still needed for liver transplantation?; Implication of applying
extended donor criteria in liver transplantation*

2009 **University Hospital of Essen, Germany**
Visiting Professor, study group "Optimization of Living related Liver
donation for Transplantation"
Lecture: *Multimodal approach to decrease ischemia/reperfusion injury to liver*

2008 **4th International Conference of the Royal Medical Services, Amman,
Jordan**
Special lecture: *The use of Endo-GIA vascular staplers in liver surgery and their
potential benefit*

2008 **3rd Spanish and French HPB-Congress, Valencia, Spain**
Special lecture: *Stapler hepatectomy - a fast, safe and cost effective technique for
liver resection*

2007 **German Association for the Study of Liver Disease, Göttingen, Germany**
Discussion: *Poster presentations on transplantation*

2006 **Kumamoto University, Japan**
Visiting Professor, Department of Surgery
Special lecture: *New aspects of ischemia reperfusion injury after liver
transplantation*

- 2006 **Universität Vilnius, Vilnius, Lithuania**
International Seminar on “Focal liver lesions: surgical treatment and alternatives”
Keynote lecture: *Surgical techniques for liver resection and transplantation*
- 2003 **Ludwig-Maximilians University, Munich, Germany**
Visiting Professor, study group “Prevention of Ischemia-Reperfusion Injury”
Lecture: *Impact of amino acids on Kupffer cell-dependent reperfusion injury*
- 2002 **Annual Congress of the Research Society on Alcoholism, San Francisco, USA**
R.G. Thurman Memorial Lecture: *Alcohol and the Liver*
- 2001 **Yamanashi Medical University, Japan**
Visiting Professor, Department of Surgery, Division of General Surgery
Special lecture: *Glycine improves outcome after liver surgery: the role of Kupffer cells*

Hospitations and Observerships

- 2013 **Nanjing Medical University, Nanjing, China**
Advisor: Prof. Dr. Y. Miao
Program: *Pancreatic Surgery* (2 days)
- 2012 **Asan Medical Center, Seoul, South Korea**
Advisor: Prof. Dr. S.G. Lee
Program: *Living related liver and dual graft transplantation* (7 days)
- 2011 **University of Miami, Miami Transplant Institute, USA**
Advisor: Prof. Dr. A.G. Tzakis
Program: *Intestinal transplantation, multi-visceral, and pediatric transplantation* (14 days)
- 2011 **Beaujon, Goupe hospitalier Hopitaux Universitaires Paris Nord-Val de Seine, France**
Advisor: Prof. Dr. J. Belghiti
Program: *Laparoscopic liver and pancreas resection* (2 days)
- 2010 **Hammersmith Hospital, Imperial College London, England**
Advisor: Prof. Dr. N. Habib
Program: *Liver resection, Habib-Sealer* (2 days)
- 2010 **University of Minnesota Medical Center, Fairview, Minnesota, USA**
Advisors: Prof. Dr. T. Pruett and Prof. Dr. D.E.R. Sutherland
Program: *Islet cell- and pancreatic transplantation, laparoscopic donor nephrectomy for living-related kidney transplantation* (14 days)
- 2009 **Menoufia University, National Liver Institute, Cairo, Egypt**
Advisor: Prof. Dr. M.K.M. Khalil
Program: *Living related Liver Transplantation* (5 days)
- 2009 **Schwarzwald-Baar Klinikum Villingen Schwenningen, Germany**
Advisor: Prof. Dr. N. Runkel
Program: *Laparoscopic colorectal surgery* (2 days)
- 2008 **Asan Medical Center, Seoul, South Korea**
Advisor: Prof. Dr. S.G. Lee
Program: *Living related liver and dual graft transplantation* (14 days)
- 2006 **Kumamoto University Hospital, Kumamoto, Japan**
Advisor: Prof. Dr. Y. Inomata
Program: *Living-related and pediatric liver transplantation* (7 days)

- 2002 **Kyoto University, Kyoto, Japan**
Advisors: Prof. Dr. K. Tanaka, Prof. Dr. Y. Yamaoka, Prof. Dr. Y. Yamamoto
Program: *Living related liver transplantation (7 days)*
- 2001 **Kyoto University, Kyoto, Japan**
Advisors: Prof. Dr. K. Tanaka and Prof. Dr. Y. Yamaoka
Program: *Liver Surgery and Living-related liver transplantation (7 days)*
- 2001 **Yamanashi Medical University, Kofu, Japan**
Advisors: Prof. Dr. Y. Matsumoto
Program: *Colorectal and Gastric Surgery (2 days)*