

**CURRICULUM VITAE****SANJEEV GUPTA, MBBS, MD, FACP, FRCP (Lond)****The Eleazar and Feige Reicher Chair in Translational Medicine****Professor of Medicine (Gastroenterology, Hepatology and Nutrition) and Pathology***Ruth L. and David S. Gottesman Institute for Stem Cell and Regenerative Medicine Research**Marion Bessin Liver Research Center, Diabetes Center, and Cancer Center**Director, Translational Technologies and Resources, Institute for Clinical and Translational Research**Director, Special Animal Core, Marion Bessin Liver Research Center, Associate Director, Center for Human Embryonic Stem Cells, Albert Einstein College of Medicine*

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**II. Personal:** Date of Birth: April 23, 1954, Jaipur, India; Citizen: USA & India; Married (2 children)

**III. Education:**

1969-70	Sadul Public School, Bikaner, India	High School
1970-71	Dungar College, Bikaner, University of Rajasthan, India	Premedical credits
1971-76	Sardar Patel Medical College, Bikaner, University of Rajasthan, India	MBBS (Medicine)

**IV. Postdoctoral Education:**

1976-77	Intern	Department of Medicine, Prince Bijay Singh Memorial Group of Hospitals, Sardar Patel Medical College, Bikaner, India
1977-80	Resident	Department of Medicine, Postgraduate Institute of Medical Education and Research, Chandigarh, India
1980-81	Senior Resident	Department of Medicine, Postgraduate Institute of Medical Education and Research, Chandigarh, India
1981-82	Resident in Internal Medicine	Hammersmith Hospital, Royal Postgraduate Medical School, London, UK
1982-85	Registrar (Clinical Fellow)	Gastroenterology and Hepatology Division, Department of Medicine, Hammersmith Hospital, Royal Postgraduate Medical School, London, UK
1985-87	Clinical Research Fellow	Liver Unit, University of Southern California School of Medicine and LAC-USC Medical Center, Los Angeles, CA

**Special Training**

1994	Small-group Case Discussion Conference Facilitator Skills	Albert Einstein College of Medicine (Course leaders: Pamela Charney, MD, James David, MD)
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**V. Academic Appointments**

1978-80	Resident Teaching Fellow in Medicine	Postgraduate Institute of Medical Education & Research, Chandigarh, India
1980-81	Registrar in Medicine	Postgraduate Institute of Medical Education & Research, Chandigarh, India
1983-85	Research Fellow	Department of Medicine (Gastroenterology and Hepatology), Hammersmith Hospital, Royal Postgraduate Medical School, London, UK
1985-87	Visiting Clinical Instructor	Department of Medicine (Gastroenterology and Hepatology), University of Southern California School of Medicine, Los Angeles
1987-89	Senior Fellow	Molecular Hepatology Unit, Marion Bessin Liver Research Center, Department of Medicine, Albert Einstein College of Medicine

1989-94	Assistant Professor	Division of Gastroenterology, Hepatology and Nutrition, Department of Medicine, Albert Einstein College of Medicine
1989-	Member	Marion Bessin Liver Research Center, Albert Einstein College of Medicine
1992-93	Co-Director	Cell Culture Core, Marion Bessin Liver Research Center, Albert Einstein College of Medicine
1993-	Director	Special Animal Core, Marion Bessin Liver Research Center, Albert Einstein College of Medicine
1994-98	Associate Professor	Division of Gastroenterology, Hepatology and Nutrition, Department of Medicine, Albert Einstein College of Medicine
1995-	Member	Cancer Research Center, Albert Einstein College of Medicine
1996-08	Assistant/Associate Director	General Clinical Research Center, Albert Einstein College of Medicine
1998-	Professor	Division of Gastroenterology, Hepatology and Nutrition, Department of Medicine, Albert Einstein College of Medicine
1999-06	Associate Director	Clinical Research Training Program (MS Degree in Clinical Research), Albert Einstein College of Medicine
2000-	Professor	Department of Pathology, Albert Einstein College of Medicine
2003-	Member	Diabetes Research Center, Albert Einstein College of Medicine
2005-	Associate Director	Center for Human Embryonic Stem Cell Research, Albert Einstein College of Medicine
2007-	Director	Translational Technologies and Resources, Institute for Clinical and Translational Research, Albert Einstein College of Medicine
2008-	Director	Stem Cell Xenotransplantation Core, Albert Einstein College of Medicine
2009	Endowed Chair	The Eleazar and Feige Reicher Chair in Translational Medicine, Albert Einstein College of Medicine

#### VI. Clinical Appointments:

Sept 1985	Consultant Gastroenterologist, Luton and Dunstable Hospital, National Health Service, UK
1989-2006	Attending Physician, Jacobi Medical Center, Bronx, NY
1989-	Attending Physician, Montefiore Medical Center, Bronx, NY

#### VII. Certifications:

<u>Board</u>	<u>Number</u>	<u>Degree</u>	<u>Dates</u>
• Postgraduate Institute of Medical Education & Research, Chandigarh, India	--	MD	1980
• Royal College of Physicians of London	--	MRCP(UK)	1982
• American Board of Internal Medicine	125335	--	1989
• American Board of Internal Medicine, Gastroenterology (Currently Board Admissible)	125335	--	1993
<b>Others</b>			
• Basic Cardiopulmonary Life Support	--	--	Until 2012
• Advanced Cardiopulmonary Life Support	--	--	Until 2010
• DEA Certification	BG1887263	--	Until 2010

#### VIII. Medical Licenses:

	<u>Date</u>	<u>Number</u>	<u>Status</u>
India (Medical Council of India; Rajasthan Medical Council)	1977	6483	Inactive
UK (General Medical Council)	1981	3034424	Inactive

New York	1988	174208	Active
New Jersey	1989	54220	Inactive
California	1991	A050147	Inactive

**IX. Professional Societies:**

1981-	Association of Physicians of India
1981-85	British Medical Association
1982-	Royal College of Physicians of London (Nominated Fellow, 2001)
1985-	Indian Society of Gastroenterology
1987-	American Gastroenterological Association
1989-	American Association for the Study of Liver Diseases
1990-	British Society of Gastroenterology
1991-	American Federation for Medical Research
1994-97	Crohn's and Colitis Foundation of America, Inc.
1995-	American College of Physicians (Direct nomination to Fellow)
1998-	The American Physiological Society
2008-	The Society for Clinical and Translational Science

**X. Scholarships, Honors and Awards:**

1969	National Merit Scholarship Award, Government of India
1969	Merit Scholarship, Board of Secondary Education, Rajasthan, India
1973	Appaji Gold Medal in Anatomy, Sardar Patel Medical College, University of Rajasthan
1973	Honors in Anatomy and Physiology, Sardar Patel Medical College, University of Rajasthan
1973	Ranked First in First MBBS examination among five Medical Colleges in University of Rajasthan
1974	Honors in Pharmacology and Pathology, Sardar Patel Medical College, University of Rajasthan
1974	Ranked First in Second MBBS examination among five Medical Colleges in University of Rajasthan, Merit Scholarship Award, University of Rajasthan
1974	Gold Medal for Academic Excellence, City of Bikaner, Rajasthan
1975	Senior Executive, Students' Council, Sardar Patel Medical College, Bikaner, Rajasthan
1976	Honors in Medicine, Surgery, and Social & Preventive Medicine, Sardar Patel Medical College, University of Rajasthan
1974	Ranked First in Final MBBS examination among five Medical Colleges in University of Rajasthan
1976	Sawai Man Singh Gold Medal for Academic Excellence, University of Rajasthan
1976	Gold Medal for Academic Excellence, City of Bikaner
1977	Podar Memorial Award for Academic Excellence, Rajasthan
1980	Pfizer Gold Medal and Postgraduate Award for Academic Excellence
1981	First Order of Merit Medal for Academic Excellence, Postgraduate Institute of Medical Education & Research, Chandigarh
1986	Research Award, Liver Research & Education Foundation, Downey, California
1987	American Gastroenterological Association Senior Fellow Research Award
1988	American Liver Foundation Research Fellowship Award
1989-94	Clinical Investigator Award, United States Public Health Service
1992	Albert Einstein College of Medicine Nominee for the Stratton Foundation Grant Award and for the Sinsheimer Scholar Award
1995	Direct election to Fellow, American College of Physicians
1996-00	Irma T. Hirschl Trust Career Scientist Award
1997	Henry L. Moses Prize for Basic Science Research, Montefiore Medical Center, NY
1998	Nominee, Albert Einstein College of Medicine, Burroughs Wellcome Fund Clinical Scientist Awards in Translational Research
1999	DV Datta Memorial Oration, Postgraduate Institute of Medical Education & Research, Chandigarh
1999	Chairman, NIDDK Special Emphasis Panel ZDK1 GRB-7 (M1), for Silvio O. Conte Digestive Diseases Research Core Centers, May 1999
2001	Nominated to Fellow, Royal College of Physicians of London

- 2001 Co-President, Falk Symposium on Hepatocyte Transplantation, October 2001, Hannover, Germany
- 2001 Datta Oration, Indian Association for Studies of Liver Diseases, New Delhi, India
- 2002 Organizing Committee, 2003 Monothematic conference, European Association for the Study of the Liver
- 2005 Moderator, Falk Symposium No. 145, Artificial Liver Support, University of Ulm, Germany
- 2005 Mervin Silverberg Lectureship, Schneider Children's Hospital, North Shore – Long Island Jewish Health System, New York
- 2005 Moderator, Scientific Session “Gene Expression and Therapy”, 56<sup>th</sup> Annual Meeting, American Association for the Study of Liver Diseases, San Francisco
- 2006 Moderator, Annual Postgraduate Course, 57<sup>th</sup> Annual Meeting, American Association for the Study of Liver Diseases, Boston
- 2006 Moderator, Scientific Session “Gene Expression and Therapy”, 57<sup>th</sup> Annual Meeting, American Association for the Study of Liver Diseases, San Francisco
- 2007 Representative, Stem Cell Issues, American Liver Foundation
- 2007 Chair Scientific Session, Vascular Biology and Pathobiology of the Liver: Basic Research Single Topic Conference, American Association for the Study of Liver Diseases, Atlanta, Georgia
- 2007- Member, International Study Group for Stem Cell Therapy, Los Angeles, CA
- 2009- 2009 Honoree for Academic Achievements, Rajasthan Medical Alumni Association Inc., USA
- 2009- 2009 Honoree for Scientific Excellence, Rajasthan Association of North America, USA

#### **XI. Other Professional Activities:**

- 1989- Manuscript Reviewer: *Am J Pathol, Am J Physiol, Anal Biochem, Biotechniques, Biochim Biophys Acta, Cell Growth Diff, Cell Transplant, Differentiation, Dig Dis Sci, FASEB J, Gastroenterology, Gut, Hepatology, Hum Gene Ther, J Gene Med, J Hepatol, J Cell Sci, J Histochem Cytochem, J Pathol, J Pediatr Gastroenterol Nutr, Lab Invest, Molec Ther, Nature, Nat Med, Nutr Cancer, Oncogene, Proc Natl Acad Sci USA, Science, Transplantation, Trends Biotechnol, etc.*
- 1989-1992 Consultant, Island Peer Review Organization, New York
- 1992 Consultant, Board of Veterans' Appeals, Veterans Administration
- 1993- Ad Hoc Grant Reviewer, The Israel Science Foundation, The Israel Academy of Sciences and Humanities, Jerusalem
- 1994 Ad Hoc Grant Reviewer, Medical Research Service, Department of Veterans Affairs
- 1995- Ad Hoc Member, Multiple Initial Review Groups, NIDDK, Bethesda
- 1996- Ad Hoc Grant Reviewer, Swiss National Science Foundation, Division of Biology and Medicine, Berne, Switzerland
- 1998- Ad Hoc Grant Reviewer, German-Israeli Foundation for Scientific Research & Development, Jerusalem, Israel
- 1996 Ad Hoc Grant Reviewer, Children's Liver Disease Foundation, Birmingham, UK
- 1998-2001 **Permanent Member**, Multidisciplinary Sciences Special Emphasis Panel ZRG7, Special Study Section 8 (61) for Bioengineering and Physiology (Small Business Innovation Research and Small Business Technology Transfer Grants Program), NIH
- 1998- Ad hoc Grant Reviewer, Netherlands Organization for Scientific Research-Council for Medical and Health Research (NWO-CMHR), The Hague, The Netherlands.
- 1999- Ad hoc Grant Reviewer, Association Francaise Contre les Myopathies, Paris, France
- 1999 **Chairman**, NIDDK Special Emphasis Panel ZDK1 GRB-7 (M1), for evaluating Silvio O. Conte Digestive Diseases Research Core Centers
- 2000 Ad Hoc Member, National Cancer Institute, SRG-Subcommittee C, Basic and Preclinical Sciences, Program Project Grants
- 2001 Ad Hoc Member, NIAAA, ZAA1 CC (01) IRG Panel, NIH
- 2002 Ad Hoc Member, General Medicine A-2 Study Section, NIH
- 2002 **Chairman**, NIDDK ZDK1 GRB-1 Mentored Clinical Scientist Development Award Panel
- 2002 Ad Hoc Member, Progenitor Cell Genome Anatomy Project; Hematopoietic Cell Lineage Genome Anatomy Project, NIDDK ZDK1 GRB-1 Special Emphasis Panel

- 2002 Ad Hoc Member, NIDDK Special Emphasis Panel ZDK1 GRB-6 (J1), for evaluating Digestive Diseases Research Development Centers
- 2002-2003 Ad Hoc Member, Endocrinology, Metabolism, Nutrition and Reproductive Sciences SBIR Panel ZRG1 EMR-E(10), NIH
- 2003 Ad Hoc Member, Clinical Sciences IRG, Program Project Grants, NCI, NIH
- 2003 Scientific Review Group, ZDK1 GRB-7, Extramural Loan Repayment Program, NIDDK, NIH
- 2003- Grant Reviewer, The Brewers of Europe Charity - The European Research Advisory Board for Alcohol Research; Chairman, Prof. OFW James, Head, School of Clinical Medical Sciences, University of Newcastle, England
- 2003-07 **Permanent Member**, Endocrinology, Metabolism, Nutrition and Reproductive Sciences SBIR Panel ZRG1 EMR-E(10), Centers for Scientific Review, NIH
- 2004 **Chairman**, NIDDK Special Emphasis Panel ZDK1 GRB-7 (M1), for Silvio O. Conte Digestive Diseases Research Core Centers
- 2004- Grant Reviewer, Agency for Science, Technology and Research (A\*STAR), Biomedical Research Council (BMRC), Singapore
- 2004- Grant Reviewer, Wellcome Trust, London
- 2004 Ad Hoc Member, Bioengineering Sciences and Technologies ZRG1 BST-A (02) (S) IRG, NIH
- 2006 **Chairman**, Bioengineering Sciences and Technologies IRG Panel ZRG1DIG F(50), NIH
- 2006 Grant Reviewer, Georgian National Science Foundation, Tbilisi, Georgia
- 2006- Grant Reviewer, UK Stem Cell Foundation, London
- 2006-07 Ad Hoc Member, Gastrointestinal Cell and Molecular Biology Study Section, CSR, NIH
- 2007- **Permanent Member**, Hepatobiliary Pathophysiology Study Section, CSR, NIH
- 2007- Grant Reviewer, Telethon Foundation, Milan, Italy
- 2007- Grant Reviewer, Dutch Digestive Foundation, Nieuwegein, The Netherlands
- 2007- Grant Reviewer, Medical Research Scotland, Edinburgh, UK
- 2008- Grant Reviewer, Maryland Stem Cell Research Fund Program, Maryland Technology Development Corporation, Frederick, Maryland, United States
- 2008- Grant Reviewer, National Taiwan University Excellent Research Projects, Taipei, Taiwan
- 2009 Ad Hoc Member, Respiratory Integrative Biology and Translational Research Study Section (RIBT), CSR, NIH
- 2009 Ad Hoc Grant Reviewer, US Army Medical Research and Materiel Command (USAMRMC), Department of Defense, US Government
- 2009 NIDDK Special Emphasis Panel ZDK1 GRB-7 (M1) for Silvio O. Conte Digestive Diseases Research Core Centers, CSR, NIH
- 2009 Member, ZRG1 DKUS-F (95) S HBPP Competiive Revision Review Panel, CSR, NIH
- 2009 Member, ZRG1 EMNR-C (58) R RFA OD-09-003 Challenge Grants Panel 15, CSR, NIH
- 2009 Member, ZRG1 DKUS-E (53) R RFA-OD-09-008 BRDG-SPAN and RFA-OD-09-009 Catalyst ARRA Review Panel 3, CSR, NIH
- 2010 Scientific Review Group, Extramural Loan Repayment Program, CSR, NIH

## **XII. Editorial Boards and Editorships:**

- 1993-2006 Editorial Board, *Hepatology*, Official journal of American Association for the Study of Liver Diseases
- 1997-2000 Editorial Board, *American Journal of Physiology (Gastrointestinal and Liver Physiology)*, Official journal of the American Physiological Society
- 2002-2007 Associate Editor, *Liver International*, Official journal of International Association for the Study of Liver
- 2003-2008 Editorial Board and Guest Associate Editor, *Gastroenterology*, Official journal of American Gastroenterological Association
- 2005 Guest Associate Editor, *American Journal of Physiology (Gastrointestinal and Liver Physiology)*
- 2005- International Editorial Board, *Surgery*, Official journal of the Association of Gastroenterologists and Surgeons of Azerbaijan
- 2007-2009 Editorial Board, *World Journal of Gastroenterology*, WJG Press, Beijing, China

- 2007- Editorial Board, *Hepatology International*, Official journal of Asian-Pacific Association for the Study of the Liver
- 2009- Editorial Board, *Clinical Pharmacology: Advances and Applications*, Dove Medical Press, London, UK
- 2009-12 Editorial Board, *American Journal of Physiology (Gastrointestinal and Liver Physiology)*
- 2010- International Editorial Board, *Korean Journal of Hepatology*

### **XIII. Teaching Activities:**

- 1983-85 **Royal Postgraduate Medical School, Hammersmith Hospital, University of London**
- Lecturer, Annual Courses in Advanced Gastroenterology, British Postgraduate Medical Federation at Royal Postgraduate Medical School, Annual Courses in Advanced General Medicine, Royal Postgraduate Medical School, and Annual Courses in Hepatobiliary Diseases, Department of Surgery and Division of Gastroenterology, Royal Postgraduate Medical School.
  - Clinical teaching of medical students, residents and advanced trainees from Europe, Middle East, Asia, Africa, Latin America and the United States
- 1985-87 **University of Southern California School of Medicine, Los Angeles**
- Lecturer, annual hepatic pathophysiology courses, medical students and physician assistants
  - Preceptor, medical student ward service in internal medicine
  - Bedside training, medical students, interns and residents; Attending rounds for GI Fellows
- 1987- **Albert Einstein College of Medicine**
- Hepatic Pathophysiology Seminar Series, Marion Bessin Liver Research Center
  - Training of medical students, interns, residents and GI fellows at Montefiore Medical Center and Jacobi Medical Center, major affiliates, Albert Einstein College of Medicine. Participate in training 4-6 GI Fellows annually, along with large number of other trainees
  - Physical Diagnosis Course for medical students (1989-91)
  - GI lecture series for internal medicine residents
  - Gastroenterology Grand Rounds
  - Medical Grand Rounds
  - GI physiology and pathophysiology courses for medical students
  - Medical Scientist Training Program, Albert Einstein College of Medicine; MD-PhD Clinical Mentor (1997-98)
  - First Year Medical Course in Molecular and Cellular Foundations of Medicine (1998- )
  - GCRC Resident Training Program (1998-2002): Development and implementation of novel programs for educating trainees in clinical research. The curriculum includes design, review and implementation of research protocols through mentoring by selected GCRC investigators. Over 40 third-year medical residents trained in ongoing program
  - Masters Course in Clinical Research (1998-2006): Oversight for novel institution-wide program begun in 1998 for training highly competitive clinical investigators. Direct role in curriculum development and implementation. Responsible for research evaluation and programmatic direction. Over 90 trainees, including support for K-25 grant awardees

### **XIV. Committees, Albert Einstein College of Medicine (selected)**

- 1993-97 Coordinator, Pathophysiology Seminar Series, Marion Bessin Liver Research Center
- 1993-95 Coordinator, Department of Medicine Research Seminar Series
- 1995-96 Coordinating Committee, Department of Medicine
- 1996- Scientific Advisory Committee, Clinical Research Center
- 1997- Executive Committee, General Clinical Research Center
- 1997-2007 Steering Committee, Clinical Research Training Program
- 1998 Committee for developing Translational Research Activity
- 2001- Data Safety Monitoring Committee, Clinical Research Center
- 2004- Executive Committee, Marion Bessin Liver Research Center
- 2005- Executive Committee, Einstein Center for Human Embryonic Stem Cell Research
- 2006- Embryonic Stem Cell Research Oversight (ESCRO) Committee

- 2006- Executive Committee, Institute for Clinical and Translational Research  
 2006-2007 Coordinating Committee, Strategic Planning  
 2007- Scientific Advisory Committee, Institute for Clinical and Translational Research

**XV. National and International Committees:**

- 1992 Codirector, Symposium entitled *Frontiers in hepatobiliary disease: Recent insights in pathogenesis, diagnosis and management*, Marion Bessin Liver Research Center, Albert Einstein College of Medicine, Bronx, NY.
- 1992-97 Invited speaker, Scientific Workshops, *Hepatocyte-directed gene therapy*, American Association for Studies of Liver Diseases, Chicago, IL
- 1993-96 Advisory Committee: *Hepatology Elsewhere*, American Association for Studies of Liver Diseases
- 1994- Committee on Gene and Cell Therapy for Genetic and Acquired Liver Disease, American Liver Foundation Scientific Advisory Council
- 1995 Director, Workshops at Summer Hepatology School in Wilsede, Germany, European Society of Pediatric Gastroenterology and Nutrition: Practical Aspects of Molecular Biology and Molecular Techniques in Metabolic Liver Disease/Gene Therapy
- 1996 Invited Contributor, American Board of Internal Medicine, Gastroenterology subspecialty examination
- 1999 Director, Scientific Workshop entitled *Hepatocyte Transplantation*, Annual meeting of the American Association for Studies of Liver Diseases, Dallas, TX
- 2001 Co-Director, Falk Symposium entitled *Hepatocyte Transplantation*, Hannover, Germany
- 2001-04 Abstract Review Committee, American Association for Studies of Liver Diseases
- 2002-04 Education Committee, American Association for Studies of Liver Diseases
- 2002- Chair, Scientific Sessions, Annual Meetings, American Association for Study of Liver Diseases
- 2003 Organizing Committee, Monothematic Conference "Strategies for liver support: from stem cells to xenotransplantation", European Association for Study of the Liver, Venice, Italy, September 2003
- 2003-2005 Chair, Abstract Review Committee, Artificial Liver Support and Hepatocyte Transplantation,
- 2004- Scientific Advisory Board, VA Research Enhancement Award Program entitled "Gene therapy, adult stem cells and optical engineering for wound and tissue injury healing"; UC Irvine and Long Beach VA Medical Center; Program Director: A. Tarnawski; Other SAB members, NA Wright (London), J. Folkman (Harvard), T Nakamura (Japan), J Narula (UC Irvine).
- 2008 Nominating Committee, American Association for the Study of Liver Diseases
- 2008- Stem Cell Committee, Academic Medicine Development Company (AMDeC), New York, NY
- 2009- External Advisory Board, NIH Digestive Health Center, Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio

**XVI. Industry Relationships:**

- 1992 Ad Hoc Consultant, Cellcor Inc., Boston, MA
- 1993 Ad Hoc Consultant, New Test Systems Division, Miles Inc., Elkhart, IN
- 1997 Ad Hoc Consultant, Schering Corporation, Kenilworth, NJ
- 1997 Co-founder, Renaissance Cell Technologies, Inc. (Founder, Lola M. Reid, PhD).
- 1998-2000 Consultant, Centers for Medical Innovation GmbH, Munich, Germany
- 1999-2001 Scientific Advisory Board, Centers for Medical Innovation GmbH, Munich, Germany
- 1998-2003 Consultant, Incara Pharmaceuticals and Vesta Therapeutics Inc, North Carolina
- 2006 Scientific Advisory Board, and Consultant, Vesta Therapeutics Inc., North Carolina
- 2006 Consultant, Celsion Corp., Maryland
- 2008- Scientific Advisor, TotipotentSC, Los Angeles, CA, and TotipotentSC Stem Cell Products Private Ltd., Chennai, India

**XVII. Professional Listings:**

1. Marquis Who'sWho: American Board of Medical Specialists, Directory of Board Certified Medical Specialists; Who'sWho in the East; Who'sWho in America; Who'sWho in the World; Who'sWho in Science and Engineering; New Providence, NJ

2. American Men and Women of Science, Reed Elsevier Inc.
3. American Biographical Institute, Inc., International Who's Who of Contemporary Achievement
4. Dictionary of International Biography, International Biographical Centre, Cambridge, England
5. International Man of the Year, International Biographical Centre, Cambridge, England, 1998
6. Castle Connolly Guide. The Best Doctors, New York Metro Area. Castle Connolly Medical Ltd., New York, 1993, 1997, 1999, 2000, 2002, 2004, 2005, 2006, 2007, 2008, 2009 editions
7. Guide to America's Top Physicians, Consumers' Research Council of America, Washington, DC; 2003, 2004, 2005, 2006, 2007, 2008, 2009 editions

**XVIII. Grants and Contracts:**

	<b><u>Direct costs</u></b>	<b><u>Period</u></b>
<b><u>Grants Completed</u></b>		
NIDDK (K08-DK-01909) Growth Factors and Liver Regeneration. (P.I., S Gupta)	\$243,324	1989-94
NIDDK P30 DK41296: Pilot & Feasibility grant program, Liver Pathobiology and Gene Therapy Research Core Center (P.I., D. Shafritz), Albert Einstein College of Medicine. Transplantation of nonparenchymal epithelial liver cells. (P.I., S Gupta)	\$15,000	1990-92
Gail I. Zuckerman Foundation: Hepatocyte Transplantation (P.I., S Gupta)	\$10,000	1990-92
American Cancer Society: Hormone-matrix synergies regulating differentiation (P.I., L Reid; Coinvestigator: S Gupta)	\$287,000	1992-94
NIDDK P30 DK41296: Pilot & Feasibility program, Liver Pathobiology and Gene Therapy Research Core Center (P.I., D. Shafritz), Albert Einstein Coll of Medicine. Microtubule function after partial hepatectomy (P.I., R. Hays; Co-PI: S. Gupta)	\$20,000	1993-95
Amgen Inc., protocol C1FN-9210 A phase III, randomized, double-blind controlled trial of recombinant methionyl interferon consensus (r-metIFN-Con <sub>1</sub> ) in patients with chronic hepatitis C infection. (P.I., D. Shafritz; Co-investigators: S. Gupta, J. Reinus)	Variable	1993-95
NCI P30 CA13330: Pilot and feasibility grant program, Albert Einstein Cancer Research Center (P.I., D. Goldman). Development of therapies for hepatocellular carcinoma. (P.I., S. Gupta; Co-investigator: R. DePinho)	\$15,000	1996
Amgen Inc., protocol C1FN-9223 A phase III, open-label, randomized, multicenter trial to determine the efficacy of recombinant methionyl interferon-consensus (r-metIFN-Con <sub>1</sub> ) in patients with chronic hepatitis C virus infection after prior treatment with r-metIFN-Con <sub>1</sub> or interferon alfa-2b. (P.I., D. Shafritz; Co-investigator: S. Gupta)	Variable	1995-98
Irma T. Hirschl Charitable Trust: Development of novel liver cell-based therapies (P.I., S. Gupta)	\$100,000	1996-00
International Science and Technology Center, Moscow; State Medical Academy, Tbilisi, Georgia. New organ growing method in vivo from liver tissue microfragments. (P.I. Z. Kakabadze; Consultants: S. Gupta, G. Michalopoulos)	\$260,000	2000-03
NIDDK 5P60 DK20541 Diabetes Research Center (PI, L. Rossetti) P/F Project entitled, "Generation of insulin producing stem/progenitor cells" Project P.I., S. Gupta	\$68,000	2002-04



NHLBI 1 K30 HL04110 Clinical Research Curriculum Award P.I., P. Marantz Associate Program Director for Research (to 2006): S. Gupta Major goals are to train clinical investigators by MS in Clinical Research	\$200,000	1999-06
NIDDK 5R01DK46952-12S1 (PI, S. Gupta) Administrative salary and research supplement for Dr. B. Joseph	\$179,558	2005-07
NIGMS 1P20 GM075037 Exploratory Center for Human Embryonic Stem Cell Research (P.I., E. Bouhassira) S. Gupta, Associate Director and Investigator	\$1,800,000	2005-08
NIDDK 2P01 DK-052956 Program Project Grant Preservation and replacement of beta cells in type 1 diabetes P.I., N. Fleischer Project 3: Development of insulin producing human cells P.I., S. Gupta, Co-PI: S. Efrat, Tel Aviv University	\$3,750,000	2003-08
2R01DK46952 NIDDK (P.I., S. Gupta) Liver repopulation for liver injury and gene therapy	\$1,005,925	1994-09
NYSTEM (Empire State Stem Cell Board), Albany, New York Consortium Planning Grant, Liver Cell Therapy; Montefiore Medical Center and Albert Einstein College of Medicine P.I., S. Gupta	\$118,000	2008-09
<b><u>Active Grants</u></b>		
2 P30 DK41296 NIDDK Liver Pathobiology and Gene Therapy Research Core Center P.I., D.A. Shafritz Special Animals Core Director, S. Gupta	\$700,000 \$100,000	2009-14
Vesta Therapeutics (formerly Incara Pharmaceuticals), Chapel Hill, NC Fate analysis of human and rodent hepatic progenitor cells P.I., S Gupta	\$303,156	11/1/00- open
U54-RR023467 NCRR (P.I., H. Shamoan, P. Marantz, B. Currie) Clinical and Translational Sciences Award Albert Einstein College of Medicine and Montefiore Medical Center S. Gupta, Director, Programs in Translational Technologies and Resources	\$15,000,000 (Approx.)	2008-13
1R01DK071111 NIDDK (P.I., S. Gupta) Transplantation of endothelial cells ARRA2009 Supplemental Funds	\$1,405,086 \$64,000	2006-11 2010-11
NYSTEM (Empire State Stem Cell Board), Albany, New York Shared Facilities Resources, Albert Einstein College of Medicine P.I., E. Bouhassira Stem Cell Xenotransplantation Core, Albert Einstein College of Medicine Core codirector: S. Gupta	\$1,000,000	2008-13
N08G-233 NYSTEM (Empire State Stem Cell Board), Albany, New York IDEA Grant, Manipulations of stem cells for treating viral hepatitis P.I., M. Kumar, S. Gupta	\$240,000	2009-11

**NIH Grants in Review**

1R01DK088561-01 NIDDK (P.I., S. Gupta) Cell transplantation and inflammation	\$2,000,000	2010-15
1R01 NIDDK (P.I., S. Gupta) Noninvasive diagnosis of Wilson's disease	\$1,250,000	2010-15
1R21 NIDDK (P.I., M. Kumar; S. Gupta) Therapeutic miRNA in viral hepatitis	\$325,000	2010-12
1RC4DK090884-01 (P.I., S. Gupta) Applications of tissue engineering for hepatic regeneration in liver failure	\$4,171,000	2010-13

**NIH Grants under Preparation/development**

R01 NIDDK (P.I., S. Gupta) Vascular mechanisms and cell transplantation	\$1,250,000	2011-16
R01 NIDDK (P.I., S. Gupta) Cell therapies for chronic liver disease	\$1,500,000	2011-16
R01 NIDDK (P.I., S. Gupta) Alternative donor cells for cell therapy	\$1,250,000	2011-16

**XIX. Laboratory Staff under Direct Supervision:**

**(Excludes numerous medical students, residents and GI Fellows trained in clinical medicine and clinical research annually since 1987 at Albert Einstein College of Medicine)**

- **Brigid Joseph, MD**; Research Fellow (2000-04); Instructor of Medicine (2005-08); Assistant Professor of Medicine (2008- )  
T32 National Research Fellowship Award (2002-2004)  
Minority Fellow Travel Award, American Physiological Society, 2003, 2004  
Trainee Travel Award, American Federation for Medical Research, 2003  
Outstanding Postdoctoral Research Scholar, Belfer Institute, Albert Einstein College of Medicine, 2004  
Awardee, Minority Investigator Supplement Award, R01DK-46952-12S1 (2005-07)
- **Kang Cheng, MD, PhD**; Research Fellow (2003- )
- **Antonia Follenzi, MD, PhD**; Research Associate (2003-04); Instructor of Pathology (2004-09); Assistant Professor of Pathology (2010- )  
Hans Popper Liver Scholar Award, American Liver Foundation (2005-08); Hemophilia Foundation Career Development Award (2005-08) (returned after acceptance of ALF Award)
- **Sriram Bandi, PhD**; Research Associate (2006- )  
Fellowship Award, New York Stem Cell Foundation (2007-10)  
Young Investigator Travel Award, AASLD, San Francisco 2008
- **Mukesh Kumar, PhD**; Instructor of Medicine (2007- )
- **Jeannette Gonzalez, MD**; Fellow in Pediatric Gastroenterology, Montefiore Medical Center (2008-10)
- **Manu Bansal, MD**; Research Trainee (2009-)
- **Enas Bazaz**; Research Trainee (2010-)
- **Khamranie Bhagroo**; Research Trainee (2010-)

**Technicians**

- **Chaoying Zhang, BS** (2003- )
- **Gertrude Arason, BS** (2006- )

**Previous Laboratory Trainees:**

1. **Ravikumar P. Vemuru**, MBBS (1989-91); Research Fellow; **Current Position:** Assistant Professor of Medicine, University of Texas, Odessa-Midlands, TX.
2. **Seth Ness** (1990); Research Rotation, Sue Golding Graduate Division; **Position at Departure:** MD, PhD Student, Albert Einstein College of Medicine, Bronx, NY (Cosupervisor: D.A. Shafritz, MD).
3. **Purnachandra R. Yerneni**, MBBS (1990-92); Research Fellow (Cosupervisor: J. Roy Chowdhury, MD); Position at departure: Research Fellow, GI Division, University of Colorado, Denver; **Current Position:** Private practice, Bogalusa, Louisiana.
4. **Emma Aragona**, MD (1990-92); Research Fellow; **Position at Departure:** Clinical Fellow in Gastroenterology, Ospedale V. Cervello, Palermo, Italy. (Cosupervisor: David A. Shafritz, MD).
5. **Chang-Don Lee**, MD (1991-93); Research Associate; **Current Position:** Professor of Internal Medicine, Division of Gastroenterology and Hepatology, Catholic University Medical College, Seoul, Korea
6. **Samuel H. Sigal**, MD (1991-94); Research Fellow (Cosupervisor: Lola M. Reid, PhD); **Awards:** Senior Fellow Award, American Gastroenterological Association, 1992; **Current Position:** Assistant Professor of Medicine, Weill Medical College, Cornell University, New York
7. **Delong Liu**, MD, PhD (1994-96): Medical Resident Research, Albert Einstein College of Medicine; **Awards:** First prize, 1996 Downstate Regional Scientific Meeting Poster Competition, and second prize, 1996 National Associates Abstract Competition, American College of Physicians. **Current Positions:** Associate Professor of Medicine, New York Medical College; Director, Mini-Allogeneic Stem Cell Transplantation, Westchester Medical Center; Chief of Hematology, Phelps Memorial Medical Center, Sleepy Hollow, NY
8. **Maria Victoria Camaya**, MD (1995): Resident, Department of Nuclear Medicine, Long Island Jewish Medical Center, Albert Einstein College of Medicine; **Position at departure:** Resident in Radiology, New York Medical College, Valhalla, NY. (Cosupervisors: C.J. Palestro, MD; K.K. Bhargava, PhD)
9. **Pankaj Rajvanshi**, MBBS (1993-1998): Research Associate; **Awards:** Trainee Awards, American Federation for Medical Research 1994, 1995, and 1996; Awardee, 1997 National Associates Abstract Competition, American College of Physicians; AASLD/ Schering Advanced Hepatology Fellowship Award, 2000. **Current Position:** Clinical Assistant Professor of Medicine, Division of Gastroenterology and Hepatology, University of Washington, Seattle, WA
10. **Michael Ott**, MD (1993-97): Research Fellow; **Awards:** Trainee Award, American Federation for Clinical Research, 1996. **Current Position:** Professor, Department of Gastroenterology & Hepatology, Medical School, Hannover, Germany
11. **Gagandeep Singh**, MBBS (1994-97): Research Associate; **Awards:** Trainee Awards, American Federation for Medical Research, 1996, 1997. **Current Position:** Assistant Professor of Surgery, University of Southern California, Los Angeles
12. **Joerg Petersen**, MD (1995-98): Research Fellow; **Current Position:** Gastroenterologist, Department of Medicine, University of Hamburg School of Medicine, Hamburg, Germany (Principal Supervisor: C. Rogler, PhD)
13. **Rana P. Sokhi**, MBBS (1996-97): Research Fellow; **Awards:** Trainee Award, American Federation for Medical Research, 1997; Best Intern Award 1998, Department of Medicine at Brooklyn Hospital, Brooklyn, NY; **Current Position:** Practice in Gastroenterology, Wisconsin
14. **Qiangzhong Ma**, PhD (1996-98): Research Associate; **Current Position:** Assistant Professor, Boston University School of Medicine, Department of Surgery, Rhode Island Hospital, Providence, RI
15. **Romil Saxena**, MBBS (1996-98): Resident, Department of Pathology, Albert Einstein College of Medicine and Mount Sinai Medical Center. Research concerning Liver Regeneration. **Current Position:** Assistant Professor of Pathology, Indiana University School of Medicine, Indianapolis, IN
16. **Maria Torres**, MD (1996-98): Resident, Department of Nuclear Medicine, Long Island Jewish Medical Center, Albert Einstein College of Medicine. (Cosupervisors: C.J. Palestro, MD and K.K. Bhargava, PhD).
17. **Shilpa Vaidya**, MBBS (1997): Research Fellow; **Position at Departure:** Fellow in Endocrinology, Department of Medicine, Montefiore Medical Center, Bronx, NY

18. **Anand Sharma**, MBBS (1997): Resident, Department of Radiation Oncology, Albert Einstein College of Medicine and Montefiore Medical Center. (Cosupervisor: B. Vikram, MD). **Position at Departure:** Attending Physician, Department of Radiation Oncology, Montefiore Medical Center, Bronx, NY
19. **Chandan Guha**, MBBS, PhD (1997-98): Resident, Department of Radiation Oncology, Albert Einstein College of Medicine and Montefiore Medical Center. (Cosupervisor: B. Vikram, MD). **Current Position:** Associate Professor and Vice Chairman, Department of Radiation Oncology, Albert Einstein College of Medicine
20. **Sanjeev Slehria**, MBBS (1997-98): Research Fellow; **Awards:** Young Investigator Award, 1997 Annual Meeting, American Association for the Study of Liver Diseases, Chicago, IL; Trainee Award, American Federation for Medical Research 1998; Best Intern Award 1999, Jacobi Medical Center-Albert Einstein College of Medicine Residency Program; **Current Position:** Practice in Gastroenterology, Virginia.
21. **Parin Patel** (1997-98): High School Student, Edgemont High School, Scarsdale, NY. Semi-finalist, Intel Science Competition. **Current Position:** Medical Resident, Harvard University, Cambridge, MA
22. **Lei Guan**, MD (1997-98): Research Fellow; Position at departure: Clinical Research Fellow, Department of Medicine, Methodist Hospital, Brooklyn, NY
23. **Giridhar G. Reddy**, MBBS (1997-98): Research Fellow; **Awards:** Trainee Award, American Federation for Medical Research 1998; Previous Position: Assistant Professor, Radiation Oncology, Albert Einstein College of Medicine, Bronx, NY; **Current Position:** Practice in Radiation Oncology, California
24. **Marisa Zahler** (1998): Student, Bowdoin College, Maine. Research concerning lentiviral gene transfer in fetal human hepatocytes. (Cosupervisor, R. Pestell, MD, PhD, Departments of Medicine, Developmental and Molecular Biology, Cancer Center and Liver Center, Albert Einstein College of Medicine)
25. **Sunil Badve**, MBBS (1997-99): Resident, Department of Pathology, Albert Einstein College of Medicine. Research concerning ontogenic regulation of hepatic gene expression and characterization of human hepatocellular carcinoma. **Current Position:** Associate Professor in Pathology, Indiana University School of Medicine, Indianapolis, IN
26. **Lennart Logdberg**, MD, PhD (1997-99): Resident, Department of Pathology, Albert Einstein College of Medicine. Research concerning gene expression in the fetal liver and in hepatocellular carcinoma. **Current Position:** Associate Professor, Department of Transfusion Medicine, Emory University, Atlanta, GA
27. **Adil N. Irani**, MBBS, MD (1998-99): Research Fellow; **Position at departure:** Fellow in Cardiology, Department of Medicine, LAC-USC Medical Center, USC School of Medicine, Los Angeles, CA
28. **Guoqing Du**, PhD (1998-99): Research Fellow; **Position at departure:** Research Fellow, University of Texas Southwestern Medical Center, Dallas
29. **Pallavi Annamaneni**, MBBS (1999): Research Fellow; **Position at departure:** Research Fellow with Dr. P.M. Novikoff, Department of Pathology, Albert Einstein College of Medicine
30. **Baiquan Li**, MD, PhD (1998-00): Research Associate; **Position at departure:** Research Associate, Yale University School of Medicine, New Haven, CT
31. **Harmeet Malhi**, MBBS (1998-01): Research Fellow; **Awards:** Abbott Postdoctoral Student Award, American Physiological Society, 1999; Trainee Travel Award, Experimental Biology 1999, Washington, DC; Young Investigator Research Symposium Award, American Gastroenterological Association 2000, San Diego, CA; Henry Christian Award, American Federation for Medical Research (AFMR), 2001; Trainee Travel Awards, AFMR, Clinical Research 2001, Arlington, VA, and Experimental Biology 2001, Orlando, FL; American Physiological Society Liaison with Industry Novel Disease Model Award for Postdoctoral Fellows, 2001; **Current Position:** Assistant Professor in Gastroenterology, Mayo Clinic, Rochester, MN.
32. **Jithender Reddy Kandimalla**, MBBS, MS, FRCS (2000-01): Research Associate; **Position at departure:** Resident in Surgery, North Dakota
33. **Ranjit K. Giri**, PhD: (2000-01) Research Associate; **Position at Departure:** Research Associate, University of Southern California School of Medicine, Los Angeles; **Current Position:** Associate Professor, National Brain Research Centre, Gurgaon, India.
34. **Amy Walker**: Byram Hills High School Student (2000-02). Investigated transcriptional mechanisms in liver stem/progenitor cells. **Position at Departure:** College student, Emory University, Atlanta, GA.
35. **Jae-Jin Cho**, DVM, PhD: (2001-02) Research Associate; **Current Position:** Assistant Professor, Division of Craniomaxillofacial Reconstruction, School of Dentistry, Seoul National University, Seoul, South Korea.

36. **Baljit Singh Sappal**, MBBS: (2001-02): Research Associate; **Position at Departure:** Resident in Internal Medicine, Brooklyn Hospital Medical Center, Brooklyn, New York.
37. **Peter Kim**, MD (2002-04): Research rotations during medical residency at Jacobi Medical Center; **Position at Departure:** Chief Resident in Medicine, Jacobi Medical Center, Bronx, NY.
38. **Vinay Kumaran**, MBBS, MS, MCh: (2002-04): Research Associate; Position at Departure: Senior Fellow in Transplantation Surgery, Thomas Starzl Transplantation Institute, Pittsburgh University, PA; Trainee Travel Award, American Federation for Medical Research, 2003
39. **Bhaskar Gundabolu**, MBBS (2003-04): Research rotations during medical residency at Jacobi Medical Center; **Position at Departure:** Senior Resident in Medicine, Jacobi Medical Center, Bronx, NY
40. **Kyung Sik Kim**, MD; Research Associate (2003-04 ): **Current Position:** Assistant Professor of Surgery, Yonsei University School of Medicine, Seoul, Korea
41. **Daniel Benten**, MD; Research Fellow with DFG support (2002-04): **Current Position:** Physician, Department of Gastroenterology and Hepatology, School of Medicine, Hamburg, Germany
42. **Mari Inada**, MD; Visiting Research Scientist and Research Associate, (2003-05. **Research led to award of PhD degree from Chiba University.** **Current Position:** Gastroenterologist, University of Chiba, Japan
43. **Yao-Ming Wu**, MD, PhD; Research Associate (2003-05): **Current Position:** Assistant Professor of Surgery, Department of Surgery, National Taiwan University Hospital, Taipei, Taiwan
44. **Marco Ulla**; International Medical Student Research Trainee (2005), School of Medicine, University of Piemonte Orientale, Novara, Italy
45. **Deborah Locarno**; International Student Trainee (2006), School of Biotechnology, University of Piemonte Orientale, Novara, Italy
46. **Sonika Gupta**; High School Student Science Research; Edgemont High School (2004-06); Semi-Finalist, Seimens Science Competition 2006
47. **Baljit Sappal**, MD; Visiting Scientist (2005-08); **Current Position:** Practicing Internist, New Jersey
48. **Aaron Springut**; High School Science Research; Edgemont High School (2006-07)
49. **Ekaterine Berishvili**, MD, PhD; Research Associate (2006-07); Presidential Scholar, Republic of Georgia and Georgian State Academy of Medical Sciences; **Current Position:** Associate Professor, Deputy Director, Institute of Experimental Medicine, Tbilisi State Medical University, Tbilisi, Republic of Georgia
50. **Rohit Singhania**, MBBS, Medical Resident Trainee, Jacobi Medical Center (2006-08); Projects on liver cell therapy; **Position at Departure:** Gastroenterology Fellow, St. Luke's Hospital, New York, NY
51. **Natan Krohn**, Medical Student Research Trainee (2007-08); Project on cell transplantation and role of inflammatory cytokines-chemokines resulted in the award of MD degree with honors in research; **Current Position:** Resident in Internal Medicine, Mount Sinai Medical Center, New York, NY
52. **Yuta Enami**, MD; Visiting Scientist, Assistant Professor of Surgery, Showa University (2006-08); **Current Position:** Assistant Professor of Surgery, Showa University, Japan
53. **Andrea Zamperone**; International Student Trainee (2008), School of Biotechnology, University of Piemonte Orientale, Novara, Italy
54. **Sorabh Kapoor**, MBBS, MS, MCh; Research Associate (2007-09 ), **Current Position:** Clinical Fellow in Transplantation Surgery, Virginia Commonwealth University, Richmond, VA
55. **Debasmita Mohapatra**, MD; Research Scientist (2008-09), **Current Position:** Resident in Internal Medicine, New Jersey
56. **Andreea Catana**, MD; Medical Resident Trainee (2007- 09), **Current Position:** Clinical Fellow in Gastroenterology, University of California Davis, Sacramento, CA
57. **Ankit Shah**, Research Technician (2008-09), **Position at Departure:** Medical School Applicant.
58. **Ralf Bahde**, MD; Research Fellow (2007-09), **Position at Departure:** Surgical Trainee, Department of Surgery, Muenster Medical School, Muenster, Germany.
59. **Simone Merlin**; Graduate Student (2007-09), School of Biotechnology, University of Piemonte Orientale, Novara, Italy, **Position at Departure:** Graduate Student. **Research led to successful defense of PhD thesis in March 2010 at University of Piemonte Orientale, Novara, Italy.** Current Position: Postdoctoral Fellow, University of Piemonte Orientale, Novara, Italy.

**Former Trainees in Faculty Positions**

**Professors**

1. **Chang-Don Lee, MD**, Catholic University Medical College, Seoul, Korea
2. **Michael Ott, MD**, Medical School, University of Hannover, Germany
3. **Delong Liu, MD, PhD**, New York Medical College, Valhalla, New York

**Associate Professors**

4. **Sunil Saxena, MD**, Department of Pathology, Indiana University School of Medicine, Indianapolis, Indiana
5. **Lennart Logdberg, MD, PhD**, Emory University School of Medicine, Atlanta, Georgia
6. **Chandan Guha, MD, PhD**, Albert Einstein College of Medicine, Bronx, New York
7. **Ranjit K Giri, PhD**, National Brain Research Centre, Gurgaon, India
8. **Ekaterine Berishvili, MD, PhD**, Tbilisi State Medical University, Tbilisi, Republic of Georgia
9. **Romil Saxena, MD**, Indiana University School of Medicine, Indianapolis, Indiana
10. **Kyung-Sik Kim, MD, PhD**, Yonsei University School of Medicine, Seoul, South Korea

**Assistant Professors**

11. **Samuel Sigal, MD**, NYU Medical Center, New York University, New York
12. **Pankaj Rajvanshi, MD**, University of Washington School of Medicine, Seattle, Washington
13. **Gagandeep Singh, MD**, University of Southern California School of Medicine, Los Angeles, California
14. **Qiangzhong Ma, PhD**, Boston University School of Medicine, Boston, Massachusetts
15. **Jae-Jin Cho, DVM, PhD**, School of Dentistry, Seoul National University, Seoul, South Korea.
16. **Harmeet Malhi, MD**, Mayo School of Medicine, Rochester, Minnesota
17. **Brigid Joseph, MD**, Albert Einstein College of Medicine, Bronx, New York
18. **Antonia Follenzi, MD, PhD**, School of Medicine, University of Novara, Novara, Italy, and Department of Pathology, Albert Einstein College of Medicine
19. **Mari Inada, MD, PhD**, Chiba University School of Medicine, Tokyo, Japan
20. **Yao-Ming Wu, MD, PhD**, National Taiwan University, Taipei, Taiwan
21. **Yuta Enami, MD, PhD**, Showa University School of Medicine, Tokyo, Japan

**Instructors**

22. **Mukesh Kumar, PhD**, Albert Einstein College of Medicine, Bronx, New York

**Consultant Attending Physicians**

23. **Ravikumar P. Vemuru, MBBS**, Gastroenterologist, Texas, USA
24. **Purnachandra R. Yerneni, MBBS**, Internist, Texas, USA
25. **Emma Aragona, MD**, Academic Internist, Sicily, Italy
26. **Joerg Petersen, MD**, Academic Gastroenterologist-Hepatologist, Hamburg, Germany
27. **Rana P. Sokhi, MBBS**, Gastroenterologist, Wisconsin, USA
28. **Sanjeev Slehria, MBBS**, Gastroenterologist, North Carolina, USA
29. **Giridhar G. Reddy, MBBS**, Radiation Oncologist, California, USA
30. **Vinay Kumaran, MBBS, MS, MCh**, Hepatobiliary and Liver Transplantation Surgeon, New Delhi, India

**XX. Special Presentations (Partial Listing)**

1. Invited Lecturer, FASEB Research Conference on hepatic regeneration and carcinogenesis, Copper Mountain, CO, 1990
2. Invited Lecturer, International Symposium Trends in Hepatology organized by the Indian Association for Studies on Liver, New Delhi, 1990
3. Codirector and Faculty, International Symposium titled Frontiers in hepatobiliary disease: Recent insights into pathogenesis, diagnosis and management; Marion Bessin Liver Research Center, Albert Einstein College of Medicine, Briarcliff Manor, NY, 1992
4. Invited Lecturer, Gastroenterology Division, Mayo Clinic, Rochester, MN, 1993

5. Invited Lecturer, International Symposium titled Frontiers in Transplantation and Medical Treatment of Liver Diseases. Universitäts-Krankenhaus Eppendorf (UKE), Hamburg, Germany, 1993
6. **Visiting Professor**, Gastroenterology Division, State University of New York at VA Medical Center, Brooklyn, 1993
7. Invited Lecturer, Gastroenterology Division, University of Iowa College of Medicine, Iowa City, 1994
8. Invited Lecturer, Hammersmith Symposium on Liver Diseases and Liver Transplantation, Royal Postgraduate Medical School, London, 1994
9. Invited Lecturer, Gastroenterology Division, Mount Sinai School of Medicine, New York, 1994
10. **Visiting Professor**, Gastroenterology Division, Department of Medicine, UCLA School of Medicine, Los Angeles, 1995
11. Faculty, Hepatology Summer School, European Society of Pediatric Gastroenterology and Nutrition, Luneburg Heide (Wilsede), Germany, 1995
12. **Visiting Professor**, Gastroenterology Division, University of North Carolina School of Medicine, Chapel Hill, 1996
13. **Visiting Professor**, Gastroenterology Division, Robert Wood Johnson Medical School, University of Medicine and Dentistry of New Jersey, New Brunswick, 1996
14. Invited Lecturer, The Sixth Annual Irwin M. Arias Symposium, Bridging Basic Science and Liver Disease, American Liver Foundation, Boston, 1996
15. **Visiting Professor**, Division of Gastroenterology, Hepatology and Nutrition, University of Florida, Gainesville, 1997
16. Invited Speaker, Symposium entitled HCV Replication Systems; Schering Corp., Kenilworth, NJ, November 12, 1997
17. Invited Lecturer, Symposium on Wilson's Disease, Wilson's Disease Association, New York City, 1998
18. **Keynote Speaker**, Minisymposium entitled Hepatic progenitor cells and liver regeneration; sponsored by American Society for Investigative Pathology; Experimental Biology, San Francisco, 1998
19. Faculty, Conference entitled Drug-Induced Liver Disease: Experimental and Clinical Approaches. University of Michigan Medical School and Industrial In Vitro Toxicology Group, Chicago, 1998
20. Invited Lecturer, Advanced Toxicology Technology Program, Abbott Laboratories, Abbott Park, IL, December 1998
21. Invited Lecturer, Zoology Department, University of Rajasthan, Jaipur, January 1999
22. Invited Lecturer, National Institute of Immunology, New Delhi, January 1999
23. **Visiting Professor**, Department of Hepatology, Postgraduate Institute of Medical Education & Research, Chandigarh, January 1999
24. **D.V. Datta Memorial Oration**, entitled "Liver repopulation with hepatocyte transplantation: progress and prospects", Postgraduate Institute of Medical Education & Research, Chandigarh, January 1999
25. Invited Lecturer, Gastroenterology Division, Mount Sinai School of Medicine, New York, May 1999
26. **Visiting Professor**, Department of Gastroenterology and Hepatology, Hannover Medical School, Germany, September 1999
27. Invited Speaker, Medical Grand Rounds, Robert Wood Johnson Medical College, UMDNJ, New Brunswick, NJ, October 1999
28. Faculty, Annual Postgraduate Course, American Association for the Study of Liver Diseases, titled "Hepatology for the millenium: lessons from the past, issues for the future", Dallas, TX, November 1999
29. Invited Speaker, Annual Hepatic, Pancreatic and Biliary Surgery Course, Hammersmith Hospital, Imperial College School of Medicine, London, UK, December 1999
30. Invited Speaker, Symposium titled, "Strategic steps toward liver directed gene therapy", Academic Medical Center, University of Amsterdam, Netherlands, January 2000
31. **Visiting Professor**, Department of Gastroenterology, GB Pant Hospital, University of Delhi, January 2000
32. Invited Speaker, Department of Gastroenterology, All India Institute of Medical Sciences, January 2000
33. Invited Speaker, Medical Practitioners Society, Jaipur, India, February 2000
34. Invited Speaker, Liver Workshop entitled "Liver Pathobiology: Liver Stem Cells", American Society for Investigative Pathology, FASEB, San Diego, April 2000
35. Invited Speaker, Gastroenterology Division and Liver Center, Duke University School of Medicine, Durham, North Carolina, June 2000

36. **Keynote Speaker**, 3rd Annual Meeting of Japanese Society of Tissue Engineering, Hiroshima, Japan, June 2000
37. **Visiting Professor**, Department of Cell Biology, Hiroshima University, Japan, July 2000
38. Invited Speaker, Sixth Annual Hepatobiliary Update, Gastroenterology Division, Johns Hopkins School of Medicine, Ocean City, MD, September 2000
39. **Keynote Speaker**, Korean Society for Biomaterials, Seoul, Korea, September 2000
40. Invited Speaker, International Symposium entitled Therapeutic Applications of Human Stem and Precursor cells, Hannover Medical School, Hannover, Germany, November 2000
41. Invited Speaker, Liver Center, Yale University School of Medicine, New Haven, CT, November 11, 2000
42. Invited Speaker, 8th International Conference on Wilson Disease and Menkes Disease, April 16-18, 2001, Leipzig, Germany
43. **Keynote Speaker**, "Manipulation of cells for Medical Use". 5th International Conference on Cellular Engineering; International Federation for Medical and Biological Engineering and German Association of Biomedical Engineering, Aachen, Germany, July 4- 6, 2001
44. Invited Speaker, Falk Symposium on Hepatocyte Transplantation, Hannover, Germany, October 2001
45. Invited Speaker, Transplant Grand Rounds, Mayo Clinic, Rochester, MN, December 2001
46. Invited Speaker, seminar program for the Children's Memorial Institute for Education and Research (CMIER) of Children's Memorial Hospital and Northwestern University, Chicago, December 2001
47. **Visiting Professor**, Gastroenterology Division, University of Pennsylvania School of Medicine, Philadelphia, January 2002
48. Invited Speaker, Joint conference of Indian Association for the Study of the Liver and European Association for the Study of the Liver, New Delhi, March 31-April 2, 2002
49. Faculty, Annual Postgraduate Course, Digestive Diseases Week, for presentation on "Hepatic Stem Cells", San Francisco, CA, May 2002
50. Invited Speaker, 2002 Basic Research Single Topic Conference: Human liver cells in biomedical research, American Association for the Study of Liver Diseases, Warrenton, VA, June 2002
51. Invited Speaker, NIDDK Workshop on Cellular Therapies for Oxalosis, Warrenton, Virginia, June 2002
52. **Ralph Wright Lecturer**, Hepatocyte Transplantation. British Association for Studies of Liver Diseases, New Castle, England, September 2002
53. Invited Speaker, 2002 Monothematic Conference, Italian Association for the Study of the Liver on "Metabolic Liver Diseases", Modena, Italy, September 2002
54. Faculty, Annual Postgraduate Course, American Association for the Study of Liver Diseases, titled "Mechanisms of Acute and Chronic Liver Disease: Implications for Diagnosis, Pathogenesis and Treatment", Boston, MA, November 2002
55. Invited Speaker, Stem Cell Research Symposium; Sponsors, American Federation for Medical Research, Association for Patient oriented research, GCRC Program Directors' Association, Association for Clinical Research Training Program Directors, Baltimore, March 14-16, 2003
56. **Keynote Speaker**, Transplantation Society of Taiwan, 62nd Scientific Meeting of Taiwan Surgical Association, Taipei, March 29-30, 2003
57. Faculty, Annual Postgraduate Course, Digestive Diseases Week, American Gastroenterological Association, Orlando, FL, May 2003
58. **Keynote Speaker**, VI International Euroasian Congress of Gastroenterologists and Surgeons, Scientific Research Institute of Clinic Medicine, Ministry of Health, Baku, Azerbaijan, June 2003
59. Invited Speaker, 11th Congress of the European Society for Organ Transplantation, Venice, Italy, September 21-24, 2003
60. Invited Speaker, 2003 Monothematic conference, European Association for the Study of the Liver, "Strategies for liver support: from stem cells to xenotransplantation", Venice, Italy, September 25-26, 2003
61. Invited Speaker, Falk Symposium No. 138, State-of-the-Art of Hepatology: Molecular and Cell Biology, Freiburg, Germany, October 20-21, 2003
62. Invited Speaker, The Einstein Clinical Research Symposium: The Frontiers of Translational Science; Albert Einstein College of Medicine, Bronx, New York, November 18, 2003
63. Invited Speaker, American Federation for Medical Research, Stem Cell Research Symposium, Annual Experimental Biology Meetings, Washington, DC, April 2004



64. **Lawson Wilkins Pediatric Endocrine Society Lecturer:** "Non Hematopoetic Stem Cell Therapy", Pediatric Academic Society, San Francisco, CA, May 4, 2004
65. Invited Speaker, AGA-PhD/MD/DVM Committee Stem Cell Symposium, American Gastroenterological Association, New Orleans, LA, May 2004
66. **State-of-the-Art Lecturer,** Hepatic Stem Cells and Hepatocyte Transplantation – Future Therapeutic Applications. Gastroenterology Week 2004, Falk Symposium No. 142-144, Freiburg, Germany, October 2004
67. Invited Speaker, Advisory Board Meeting, Novartis, Cell Transplantation Society, Boston, November 2004
68. Invited Speaker, Gastroenterology Grand Rounds, Weill Medical College of Cornell University, New York, November 2004
69. Invited Speaker and Workshop Coordinator, Asia-Pacific Association for the Study of the Liver, Annual Meeting, New Delhi, December 2004
70. Invited Speaker, Artificial Liver Support, Falk Symposium No. 145, University Hospital, Ulm, Germany, January 2005
71. **Mervin Silverberg Lectureship,** Schneider Children's Hospital, North Shore – Long Island Jewish Health System, Manhasset, NY, May 2005
72. **Keynote Speaker,** International Euroasian Congress of Gastroenterologists and Surgeons, Georgian State Academy of Medicine, Tbilisi, Georgia, June 2005
73. **Plenary Speaker,** The 7th International Conference on Cellular Engineering, Seoul, South Korea, September 2005
74. **Keynote Speaker,** Turkish National Hepato-Gastroenterology Congress, Antalya, Turkey, September 25-29, 2005
75. Invited Speaker, Gastroenterology Division and Department of Medicine, Carver College of Medicine, University of Iowa, Iowa City, IA, December 2005
76. Invited Speaker, Grand Rounds, Gastroenterology Division, Duke University School of Medicine, Durham, NC, February 2006
77. Invited Speaker, Grand Rounds, Gastroenterology Division, Robert Wood Johnson Medical College, New Brunswick, NJ, March 2006
78. Invited Speaker, Annual Meeting Workshop – Stem Cells for Tissue Regeneration, European Group for Blood and Marrow Transplantation, Hamburg, Germany, March 2006
79. Invited Speaker, Stem Cell Symposium, American Federation for Medical Research, Experimental Biology 2006, San Francisco, April 2006
80. Invited Speaker, Stem Cell Summit Meeting, Fisher Scientific Inc., Utah, May 2006
81. **Ira Griener Symposium Lecturer,** Children's Hospital, Montefiore Medical Center, Bronx, NY, May 2006
82. Invited Speaker, XIII Falk Liver Week – Genetics in Liver Diseases, Freiburg, Germany, October 2006
83. Faculty, Postgraduate Course, American Association for the Study of Liver Diseases, Boston, November 2006
84. Research Workshop, Applications of Stem Cells, American Association for the Study of Liver Diseases, Boston, November 2006
85. Invited Speaker, International NIH Workshop on Wilson Disease and Other Disorders of Copper Metabolism, Bethesda, MD, November 2006
86. **Featured Speaker,** 2nd NIGMS Workshop on Embryonic Stem Cell Research, March 12-13, 2007, Bethesda, MD
87. Invited Speaker, Institute of Liver & Biliary Sciences, April 2007, New Delhi, India
88. **Visiting Professor,** Postgraduate Institute of Medical Education & Research, Chandigarh, India, April 2007
89. Invited Speaker, Annual Meeting, Wilson Disease Association, April 2007, New York, NY
90. Invited Speaker, International Stem Cell Group for Cell Therapy, May 2007, Hurgada, Egypt
91. Invited Speaker, Single Topic Symposium, AASLD, Cell Transplantation for Endothelial Reconstitution. June 2007, Atlanta, GA
92. **Visiting Professor,** Division of Gastroenterology, Washington University School of Medicine, Seattle, WA, November 30, 2007

93. Invited Speaker, Best of AASLD, Continuing Medical Education Program, Washington University, Seattle, WA, December 1, 2007
94. Invited Faculty, European Association for Studies of the Liver (EASL) Basic School of Hepatology, Course 3: Vascular Biology of the Liver in Health and Disease, February 1-3, 2008, Lisbon, Portugal
95. **Visiting Professor**, Scott & White and Texas A&M Health Science Center, College of Medicine, Temple, Texas, May 2008
96. Invited Speaker, International Stem Cell Group for Cell Therapy, June 2008, El Gouna, Egypt
97. Faculty, Annual Postgraduate Course, American Association for the Study of Liver Diseases, San Francisco, CA, November 2008
98. Invited Speaker, Research Workshop on Stem Cells, American Association for Studies of the Liver, San Francisco, November 2008
99. **Visiting Professor**, Division of Gastroenterology, USC School of Medicine, Los Angeles, CA, November 2008
100. Invited Speaker, Key Role of Liver in Cell Therapy; Princeton Club, New York, NY, March 2009.
101. Invited Speaker, American Society of Investigative Pathology: "Interdisciplinary Approaches to Liver Disease", April 2009, New Orleans, LA
102. Invited Speaker, Center for Engineering in Medicine and Surgical Services, Shriners Hospitals for Children and Massachusetts General Hospital, Harvard University, May 2009, Boston, MA
103. Invited Speaker, Hemophilia Gene Therapy Workshop, Baxter Bioscience, June 2009, Vernon Hills, IL
104. Invited Speaker, 20<sup>th</sup> Anniversary Convention, Committee of Ten Thousand (COTT), Washington, DC, October 2009
105. Panelist, International Group Discussion on Controversies in Hepatocyte Transplantation, Department of Pediatrics, King's College School of Medicine, London, UK, September 2009
106. Panelist, Symposium entitled, "Bridging the Translational Divides", Einstein-Montefiore Institute for Clinical and Translational Research, Albert Einstein College of Medicine, Bronx, NY, October 28, 2009
107. Invited Speaker, Departments of Biochemistry and Molecular Biology, George Washington University Medical Center, Washington, DC, November 2009
108. Invited Speaker, International Stem Cell Group for Cell Therapy and Egyptian Society for Study of Stem Cells, November 2009, Cairo, Egypt
109. Invited Speaker, "Advances in liver-directed cell therapy for hepatic and extrahepatic diseases"; 65th Annual Conference of Association of Physicians of India (APICON 2010), Jaipur, India, January 2010
110. Invited Speaker, Division of Transplantation, Department of Surgery, Stanford University, California, March 2010

**Pending:**

111. Grand Rounds, Department of Medicine, Robert Wood Johnson Medical School, New Brunswick, NJ, April 2010
112. Grand Rounds, Division of Pediatric Gastroenterology, Montefiore Medical Center, Bronx, NY, April 2010
113. Invited Speaker, FASEB Conference on Liver Biology, session entitled "Hepatocyte Transplantation and Hepatic Tissue Engineering"- Mechanisms in replacement of specific liver cell compartments; Snowmass, Colorado, August 15-20, 2010

**Other Media:**

114. What a Year: Snow White and the Eighth Factor. A program for high school science education. Massachusetts Society for Medical Research with funding from William Townsend Porter Foundation; September 2008: [http://www.whatayear.org/09\\_08.html](http://www.whatayear.org/09_08.html)

**XXI. Patents and Inventions**

1. Invention disclosure, Albert Einstein College of Medicine (Sanjeev Gupta) D-713, entitled, "Activation of cytoprotective mechanisms by blocking the activity of cellular prostaglandin-endoperoxide synthases (cyclooxygenases); April 6, 2009.
2. Provisional US Patent Filing, Albert Einstein College of Medicine (Sanjeev Gupta) D-714, entitled, "Cell therapy for acute liver failure"; August 6, 2009

3. Invention disclosure, Albert Einstein College of Medicine (Sanjeev Gupta) D-739, entitled, "Method to noninvasively diagnose molecular defect in Wilson's disease"; September 2, 2009.
4. Provisional US Patent Filing, Albert Einstein College of Medicine (Sanjeev Gupta) D-739, entitled, "Cell transplantation methods to restore FVIII in hemophilia A". Disclosure, October 28, 2009; US Filing, February 19, 2010 .

## XXII. Publications

### A. Original Contributions in Peer-Reviewed Journals

1. Gupta S, Anand IS, Mathuria SN, Deodhar SD. Intramedullary abscess presenting as acute transverse myelitis. A case report. *Neurol India* 1979;27:154-157.
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