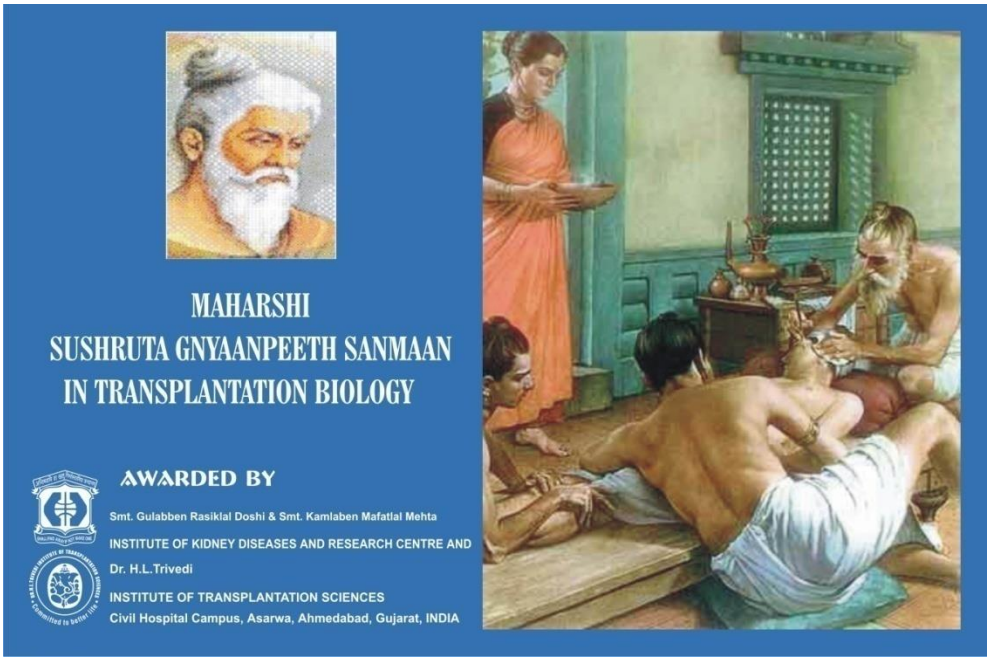
MAHARSHI SUSHRUTA GNYAANPEETH SANMAAN (AWARD) FOR RESEARCH IN TRANSPLANTATION BIOLOGY



MAHARSHI SUSHRUTA GNYAANPEETH SANMAAN (AWARD) FOR RESEARCH IN TRANSPLANTATION BIOLOGY

CHAIRMAN
Prof. H.L. Trivedi
Prof. and Director, Institute of Kidney Diseases and Research Centre (IKDRC) and Institute of Transplantation Sciences (ITS), Ahmedabad

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Prof. Aruna V. Vanikar
Chief, Department of Pathology, Laboratory Medicine, Transfusion Services and

Immunohematology, Department Of Transplantation Biology And Regenerative Medicine

Institute of Kidney Diseases and Research Centre (IKDRC) and Institute of Transplantation Sciences (ITS), Ahmedabad

MEMBERS OF THE JURY (till 2006)
Prof. T.E. Starzl
Starzl Institute of Transplantation, University of Pittsburgh, USA

Late Prof. Ajit G. Phadke
Hon. Consultant and Professor Emeritus, Dept. of Urology, Sir J.J. Group of Hospitals, and Professor and Head of Urology depat., Bombay Hospital, Mumbai

Prof. Richard Batchelor
Ex-Professor, Dept. of Immunology, Royal Postgraduate Medical School, Hammersmith Hospital, London, U.K.

Prof. John B. Dossetor
Professor Emeritus, Medicine/Bioethics, Univ. Alberta,
Ottawa, Canada

JURY FROM 2007 TO JANUARY 2014

Late Prof. Ajit G. Phadke
Hon. Consultant and Professor Emeritus, Dept. of Urology, Sir J.J. Group of Hospitals, and Professor and Head of Urology Dept., Bombay Hospital, Mumbai

Prof. John B. Dossetor
Professor Emeritus, Medicine/Bioethics, Univ. Alberta,
Ottawa, Canada

Prof. Veena R. Shah
Deputy Director, Prof. and Head of Anesthesia and Critical Care
IKDRC-ITS
Ahmedabad

Late Prof. Carl Gustav Groth
Ex- Chairman, Nobel Assembly and Liver Transplant Surgeon,
Karolinska University Hospital, Sweden

JURY FROM MARCH 2014 ONWARDS

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Prof. H.L. Trivedi
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Prof. Veena R. Shah
Deputy Director, Prof. and Head of Anesthesia and Critical Care
IKDRC-ITS
Ahmedabad

Captain T.G. Patel
Adjunct Assoc. Professor of Medicine and Nephrologist
Uniformed Services of the Health Sciences,
Bethesda, Maryland, USA

History

We at the Institute Of Kidney Diseases and Research Centre (IKDRC) and Institute Of Transplantation Sciences (ITS) created ***Maharshi Sushruta Gnyaanpeeth Sanmaan (Awards)*** in 1998 as a part of the celebration of ***50th Anniversary of India's Independence.*** It is our conviction that we have a responsibility to take an active role in the development of transplantation as a medical science. We have a firm belief in the inventive ability of individuals to make a difference in the world of medical science and future of patients with organ failure. We always wanted to foster values we cherished such as dedication, high quality medical care, sincerity to the purpose and above all, undifferentiated high quality care for patients who are rich and poor having organ failure.

Thus, Maharshi Sushruta Gnyaanpeeth Sanmaan (Award) was born with the express purpose of providing encouragement to research scientists working in the field of transplantation who break new grounds and conduct themselves in an exemplary way in the research ethos of Indian subcontinent.

WHY MAHARSHI SUSHRUTA SANMAAN (AWARD)?

Sushruta, a descendant of Rishi Viswamitra, was the greatest surgeon of all times. He was one of the few old experts of the Indian system of medicine. In fact he is the first authentic person to carry out the dissection of the human body and describe the anatomy in details. His treatise on singems*, Susruta-Salya-Tantra*, were composed about 6th century BC and revised by Nagarjuna in later part of the 4th century BC. His major achievements were in the field of plastic surgery of nose, operations on the abdomen, on eyes for cataract, gynecological surgeries and removal of urinary tract stones. Before the end of 8th century A.D., *Sushruta Samhita* was translated into Arabic and was called *Kitab- Shaw-Shoon-attindi* or *Kitab-I-Susurd.* He was the first surgeon to perform operations of skin grafting.

With that knowledge in the background, the awards were decided to be dedicated only to the name of Sushruta by the committee, on the occasion of the golden jubilee celebrations of India’s independence from the 400 years old British Raj.

Objective

Maharshi Sushruta Gnyaanpeeth Sanmaan (Award) for high quality research in transplantation are established to provide encouragement and bestow honor to men and women seeking to break new ground in areas with advanced knowledge and bring solution to the transplantation problems and bring better life to patients with transplanted organs. Winners will receive a citation, trophy, worldwide recognition of their efforts and aspirations and cash prize of 3,00,000 Indian rupees.

Awards are designed to assist new and old talents who to clarify the existing concepts and generate new ideas and concept in the field of Transplantation as a Medical Science.

Areas of recognition

Maharshi Sushruta Gnyaanpeeth Sanmaan (Award) will recognize outstanding initiatives in key research areas of transplantation as a biological science. These areas will include Basic/ applied research related to Clinical Transplantation, Transplant Immunology, Pharmacology, Pathology, Radiology and other related areas. Contribution must expand existing knowledge about transplantation and also contribute towards the improvement in the quality of life of millions of patients who have received or are waiting to receive one/ more organs for their survival.

Selection Criteria

Candidate must have serious long-term commitment to the research in transplantation, which will significantly contribute towards better life for transplanted patients today and tomorrow. The research work will also be reviewed for its potential future impact on transplantation as a science.

Chairman – Prof. H.L. Trivedi

Prof. H.L.Trivedi popularly known as Dr. H.L.Trivedi, was born on August 31, 1932 in a traditional Hindu Brahmin family in a small village of Gujarat to Shree Laxmishanker Trivedi, a brilliant scholar in Sanskrit, who was a school teacher and a simple mother. Dr. Trivedi took his basic medical education in Ahmedabad and moved on to USA with brilliant performance in ECFMG examinations. He trained under several distinguished luminaries of the time like Dr. Willhem Kolffe, Dr. Heymann and Dr. John Dossetor and took FACP and FRCP. He worked as the Medical Director Of Regional Transplantation Services at McMaster University, Canada. It was then that he had an irresistible desire to build an institute for kidney diseases and transplantation services for the poor and down trodden people of his country. It took him ten tumultous years to realise his dream. The Institute Of Kidney Diseases and Research Centre was thus born in 1981 and he is the founder director of this institute. Dr. H.L. Trivedi Institute Of Transplantation Sciences, her sister institute was born on June 9, 1996, again his second child.

He was the President elect of the Indian Society Of Nephrology and Indian Society Of Transplantation. His has realized his dream of tolerance in clinic i.e. achieve drug free normal life after transplantation with his research. His team has also pioneered in generation of various stem cells for treating diabetes mellitus, mesenchymal stem cells, cardiac disorders and neurological disorders, regulatory T and B cells, with continuous addition to their bag. This is all humbly put by the team as attempt to serve the humanity by the grace of Almighty. With numerous awards and credits to his honor, he still believes that love and respect from his patients is the highest accolade he has achieved in his life.

Prof. Thomas Earl Starzl

Prof. Starzl was born on 11th March, 1926, in a family that ran its newspaper in the United States. He took his MA, PhD and MD from Northwestern University, Chicago. With faculty appointments starting from the post of instructor, culminating to the position of Director of Transplantation at the Starzl Institute (named after him), University Of Pittsburgh, perhaps he is the only human being who has brought the field of transplantation from fantasy to a routine clinical practice with laborious lab research and efforts for the last four decades. He achieved the first successful liver transplantation with the help of Antihuman Globulin (ALG) in 1967. His team was the first to perform multi-organ transplantation in 1987 and the first pancreatic islet cell graft in 1990. Dr. Starzl's inner strength and undaunted courage helped him sustain severe opposition and crticism from leaders in all walks of life. He personally trained surgeons and basic scientists all over the globe. Thus multi-organ transplantation programs were established around the world. His contributions to the field's literature being magnanimous, he is the most referenced scientist in the world with more than 10,000 citations to his credit. The world is only enriched by the presence of a living legend in the person of Dr. Starzl.

Prof. J. Richard Batchelor

John Richard Batchelor was born on 4th October, 1931 in Surrey, England. He took his basic medical education at Guy's Hospital Medical School, London in 1955 after finishing BA at Cambridge. He subsequently qualified with MRCS, LRCP, MA, MB, B.Chiro, MD, FRCPath and FRCP, all from Cambridge. His main interest is in the area of Histocompatibility and Immunogenetics. He retired in 1994 as the Chairman of Immunology

Department at Royal Postgraduate Medical School, Hammersmith Hospital, London. He and his PhD student Robert Lechler (who has now taken over the reigns from Prof. Batchelor) established the concept of direct and indirect pathways of immunologic sensitization. He is that rare leader, who with his band of followers generated a library of HLA antisera by giving each other skin allografts in the early sixties. Along with holding high offices in several scientific societies, he was also the European Editor of Transplantation from 1963 to 1998. Today, he has retired from the position of Professor Emeritus at the Immunology Department at Royal Postgraduate Medical School, Hammersmith Hospital, London.

Late Prof. Ajit G. Phadke

Prof. Ajit Phadke was born on October 13, 1935 and departed for his heavenly abode on August 26, 2012. He was the son of a general surgeon and naturally took to Urology after his basic medical education in Mumbai. He worked with brilliant teachers of the time including Prof. John Dossetor. He worked at Royal Victoria Hospital, Canada and qualified for F.I.C.S. He had several publications and awards to his credits. His versatility carried him from Urology across General Surgery, Gynecology and Obstetrics to Biochemistry. His commitment to the profession and patient care made him one of the most respected doctors by poor and afflicted patients and voluntary organizations. He served as the Professor and Head of Urology Department at Bombay Hospital Institute of Medical Sciences and Honorary Consultant and Professor Emeritus in Urology Department at Sir J.J. group of hospitals in Mumbai.

Prof. John Beamish Dossetor

He was born in Banglore, India, in 1925 to Australian parents. His father was a clergy man. He took his basic medical education at Oxford University, England. He served for two years in the Royal Army Medical Corps mainly in Gurkha brigade in India, Malaysia and Singapore and then returned to Hammersmith for further education. He obtained his MRCP (UK) in 1955 and PhD in Experimental Medicine at McGill University in 1961. Out of his numerous contributions in the areas of nephrology, general medicine and transplantation immunology research, one of the most valuable must be his work on multiple transfusions, which has alleviated fear from the minds of transplanters all over the world, and improved the quality of graft survival. The clergy in him has drawn him towards founding the Bioethics Society of Canada where he is still active today. The University of Alberta has honored Prof. Dossetor by naming the centre the JOHN DOSSETOR HEALTH ETHICS CENTRE in 1998. A graduate Award –"**The John Dossetor Scholarship in Health Ethics**" have also been established .With numerous accolades to his credit, he still will be best identified as the guardian soul of bioethical issues of transplantation around the world.

Late Prof. Carl Groth

Year of birth: 1933

Date of demise: February 16, 2014

He was born in Helsinki, Finland in 1933 and died on February 16, 2014. He received his education up to Doctorate in Medicine, at Karolinska Institute, Sweden. After working with National Institute of Health and with Prof. Starzl at Denver in Colorado, he returned to Sweden to develop the field of Transplantation Sciences there. He was the first person to perform pancreas, bone marrow, liver and islet transplantation in Sweden. He was the pioneer in translational research for organ transplantation and one of the pioneers in research on cell and organ transplantation in metabolic diseases, in xenotransplantation and in immunosuppression. He was instrumental to make transplantation biologists dream of successfully developing model of pig-to-man islet transplantation for bringing succour to suffering diabetics all over the world. Apart from being honored as Fellow of Royal College of Surgeons of England, American Surgical Association and various other Societies, he was one of the rare celebrated Scientists of the globe who had over 700 scientific articles, 40 book chapters and the first monograph on Pancreatic Transplantation, to his credit. His list of associations with various Professional and Scientific Societies ranged from being a member of the American Philosophical Society to being Past President of the International Society of Organ Transplantation and Ex-Chair of the Nobel Assembly.

Prof. Veena R. Shah

She was born in Ahmedabad on 1st October, 1950. After her initial training in BJ Medical College, Ahmedabad and procuring her diploma as well as Masters in Anesthesia, she was invited by Prof. Trivedi to develop the department of Anesthesia for his dream-child the Institute of Kidney Diseases and Research Centre. She rose to the present position by sheer hard work, her commitment to patient care and keen interest in the subject. She was one of the members of the team that carried out the first renal transplantation of the state. She has progressively worked to make anaesthesia safer in high risk transplant patients.
Today after her official retirement she continues to serve the department as the Chief of Anesthesia and Critical Care unit of the Institute of Kidney Diseases and Research Centre-Institute of Transplantation Sciences (ITS). She is still training her young team for Anesthesia in multi-organ transplantation as well as all challenging cases in her field. She is also the Deputy Director of the institutes and currently the Chairperson of the Ethics Committee of the IKDRC- ITS.

Captain Thakor G. Patel

Thakor G. Patel, MD currently serves as an Adjunct Associate Professor of Medicine at the Uniformed Services of the Health Sciences in Bethesda, Maryland. Following his training in Nephrology and Internal Medicine in 1979, Dr. Patel joined the United States Navy where he served for 23 years. His assignments included Diving Medical Officer, Pearl Harbor, Hawaii; Head and Program Director of Nephrology and then Director, Medical Service and Medical Director at the Naval Medical Center, Portsmouth, Virginia. He also was the leader of a surgical support team during the invasion of Grenada in 1983 and Director, Medical Services of a fleet hospital in Saudi Arabia during Operation Desert Shield/Storm.

He served as Specialty Advisor to the Navy Surgeon General for Nephrology from 1988 to 1993 and for Surface Medicine from 1993 to 1998. He was responsible for starting the Surface Warfare Medical Institute in San Diego for training medical personnel going to the Fleet and redesigned the medical spaces on USS Nimitz as well as organized the first ever medical war games.

Dr. Patel is Board Certified in both Internal Medicine and Nephrology and is a Master of the American College of Physicians. After retiring from the Navy in 1998, he joined the Department of Veterans Affairs in Washington, DC as the Program Director, Renal Diseases, Diabetes, and Oncology where he was responsible for critical policies on cancer data sharing, vascular access for hemodialysis, hemoglobin A1C standardization, and hemodialysis data transfer into Computerized Patient Record System. He retired in 2007 and is now actively working in the public health area and volunteering as a nephrologist at National Naval Medical Center, Bethesda, MD.

Throughout his career, Dr. Patel received numerous military and civilian awards such as the Legion of Merit, Combat Action Ribbon, Meritorious Service Medal, Kuwait Liberation Medal, Admiral Joel T. Boone Award of the Association of Military Surgeons of the United States, American Association of Physicians of Indian Origin President's Award, and an Exemplary Service Award from the Department of Veterans Affairs. He has several articles to his credit. His current project includes how to improve health care in the villages of India. He has created the Sevak Project and under this project trained 31 people about healthcare, sanitation, water purification, prevention of diseases and lifestyle modification education. These Sevaks have started to screen their own village and so far have screened over 18000 people. It is a pilot project and can be duplicated anywhere. This project has been in place for about two years and received an award from GOPIO.

Prizes

Maharshi Sushruta Gnyaanpeeth Sanmaan (Award) will be given to one individual. He/ she will receive Rs.300,000/- (Indian Currency) in cash, a citation and a shawl as per Indian tradition. He/ she will be invited to Ahmedabad as a guest of IKDRC-ITS for receiving the award at the official awards ceremony.

Eligibility

Any person of any origin who fulfills the above criteria, will be eligible to apply. The essential quality that all candidates must have, is a serious long-term commitment to research in transplantation as a medical science.

RECIPIENTS OF MAHARSHI SUSHRUTA GNYAANPEETH SANMAAN (AWARD)

YEAR	RECIPIENTS	SPECIALITY
1998	SURYAKANT M. PATEL	Clinical Transplantation
	And	
	VEENA R. SHAH	Clinical Transplantation
	And	
	G. ALEXANDER BISHOP	Basic Sciences
	And	
	ARUN SHANKER SANE	Basic Sciences
2000	JOHN JULIAN FUNG	Clinical Transplantation
	And	
	RAJKUMAR SHARMA	Clinical Transplantation
2002	ROLF ZINKERNAGEL	Basic Science
	And	
	MAMMEN CHANDY	Clinical Transplantation
	And	
	YAIR REISNER	Clinical Transplantation
2005	WALTER LAND	Clinical Transplantation
2006	SIR PETER MORRIS	Clinical Transplantation
	And	
	CARL GROTH	Clinical Transplantation
2007	PAUL TERASAKI	Basic Sciences
2009	SIR ROY CALNE	Clinical Transplantation
2010	MARK HARDY	Clinical Transplantation
2011	MANIKKAM SUTHANTHIRAN	Clinical Transplantation
2012	KATHRYN WOOD	Basic Sciences
	And	
	PRANJAL R. MODI	Clinical Transplantation

2013	OLLE RINGDEN and KOICHI TANAKA	Basic Sciences Clinical Transplantation
2015	SHIMON SAKAGUCHI	Basic Sciences
2016	SHIMON SLAVIN	Transplantation Immunology

RECIPIENTS:

Year 1998

SURYAKANT M. PATEL

Date of birth: August 7, 1933

Academic record: MBBS, FRCS (UK)

At present, he has retired from the active academic life after an extremely busy period with urology and renal transplantation.
He took his basic medical education from B. J. Medical College, Ahmedabad, and went to Edinburgh, England to qualify with FRCS. He returned to his parent college in 1964 to start his teaching career in General Surgery. He gradually rose to the position of Honorary Prof. Of Surgery there and Honorary Prof. Of Urology and Transplantation Surgery at the Institute Of Kidney Diseases and Research Centre. His skills were further sharpened with the training at various transplantation centres of the USA. He was the first renal transplant surgeon of the state of Gujarat and at the IKDRC in particular. He is one of the founder members of not only the Surgical Association of India but the renal transplantation programme at the IKDRC as well.

Year 1998

VEENA R. SHAH

Date of birth: October 1, 1950

Academic record: M.D. (Anae), DA.

She is the Chief of Anesthesia and Critical Care unit of the Institute of Kidney Diseases and Research Centre- Institute of Transplantation Sciences (ITS). She is also the Deputy Director of the institutes.

After procuring her basic medical education from B. J. Medical College, Ahmedabad, she qualified with Diploma and MD in anaethesiology from the same campus. She rose to the present position by sheer hard work, her commitment to patient care and keen interest in the subject. She was one of the members of the team that carried out the first renal transplantation of the state. She has progressively worked to make anaesthesia safer in high risk transplant patients. She is currently the Chairperson of the Ethics Committee of the IKDRC- ITS.

Year 1998

G. ALEXANDER BISHOP

Date of birth: October 14th, 1949

Academic record: MSc. Agr. Thesis- Properties of protein phosphokinase enzymes from human blood platelets.

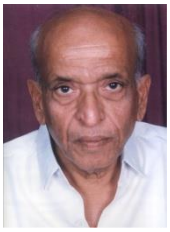
PhD thesis- Mechanism of human renal allograft rejection

He is a senior research scientist in A.W.Morrow Gastroenterology and Liver Laboratory, Centenary Institute Of Cancer Medicine and Cell Biology (University of Sydney), Australia. He also holds membership of several professional associations related to Medical research, Immunology and Transplantation.

He has worked on immune studies in renal transplant recipients, liver allograft rejection and virology studies however, his involvement with tolerance especially in lymphokines and working out intricate differences between tolerant and rejecting livers were path-breaking in transplant immunology research. His pioneering work in one of the most difficult areas of tolerance like chimerism and clonal exhaustion, Th1 / Th2 paradigm of allograft tolerance and role of high dose/ activation associated tolerance as a mechanism of transplant tolerance unravelled the intricacies involved in rejection process.

Year 1998

ARUN SHANKAR SANE



Date of birth: February 21, 1936

Date of demise: December 18, 2000

Academic record: MSc, PhD in Biochemistry, F.I.C.N.

He was keenly interested in studies of all human stress situations related to critically ill patients since last twenty years. He was a fellow of Association of Clinical Biochemistry of India and International College of Nutrition.

He was studying biochemical responses in human stress situations like female stress, surgical stress, skin disorders and psychiatric in-patients. His interest in the recent past in oxidative stress and study of cytokines in renal transplant patients will go a long way in detecting immunological injury to graft and patient as well and help in improving patient care.

Year 2000

JOHN JULIAN FUNG

Date of birth: July 9, 1956

Academic record: MD (Medicine), Ph.D

He qualified from University of Chicago Pritzker School of Medicine and under took further training of fellowship at University of Pittsburgh School of Medicine under the personal tutelage of Prof. T.E.Starzl to achieve excellence in liver transplantation. He also worked in Strong Memorial Hospital of The University of Rochester at New York.

He started with histocompatibility lab and earned near perfection in the most difficult surgeries like liver transplantation.

He had been working as the Vice Chairman Of Department of Surgery, and also is Director of Transplant Research, University Of Pittsburgh. He has several honors to his credit for medical research from several social and academic organizations.

At present he is working at Cleveland Clinic as the Chairman of transplantation surgery service

Year 2000

RAJ KUMAR SHARMA

Date of birth: October 1, 1953

Academic record: MD (Medicine), FAMS, NAMS -Nephrology

At present, he is working as the Chief Nephrologist and Clinical Transplanter at Sanjay Gandhi Post Graduate Institute Of Medical Sciences, Lucknow. He has been affiliated with the Indian Society Of Nephrology, Indian Society Of Organ Transplantation, Association Of Physicians of India and several other organisations. He has also received several awards for research in clinical nephrology.

His understanding of cellular and humoral response in allograft rejection has helped in working out viable solutions to improve renal allograft survival. His profound interest in HLA Class I / II antigens has helped in establishing one of the best tissue typing labs in the country at SGPGI, Lucknow. His current research plans are to study the role of mixed leucocyte culture to monitor change over from cyclosporine to other conventional drugs in renal transplant patients.

Year 2002

ROLF ZINKERNAGEL

Date of birth:. January 6, 1944

Academic record: M.D., Ph.D.

He took your basic medical education at the University of Basel, Switzerland and worked on intestinal immunity at the Institute of Biochemistry in Lausanne. He worked with Peter Doherty between 1973 and 1975 at the Australian National University in Canberra and discovered how immune T-cells recognize virus infected host cells. For this discovery both of them were awarded with the Nobel prize in Medicine and Physiology in 1996. His extensive research on T-cells which subsequently became known as the concept of “MHC restriction”, has found relevance in experimental and clinical tolerance protocols. This metamorphosed the concept into theory. Subsequently Prof. Starzl and Prof. Monaco utilized this concept and gave the proper orientation of this theory in their clinical protocols.

At present he is working as Head of Institute of Experimental Immunology, Department of Pathology at the University Hospital, Zurich.

Year 2002

MAMMEN CHANDY

Date of birth: 30th August 1949.

Academic record: M.D., FRACP, FRCPA (Hematology)

He procured basic medical education and specialized in Medicine from CMC, Vellore. He further gained expertise in Hematology at Sydney, Australia. His hard work, commitment to patient care and keen interest in Hematology and Bone marrow transplantation in particular, has created a special position for him in the heart of patients suffering from blood disorders. He is currently the Professor of Medicine and Head of the Department of Hematology at Christian Medical College, Vellore, which is the premier institute in training students in superspeciality and catering the best kind of services to the patients from all over the nation. He has been recipient of several awards for his outstanding contribution to various blood disorders and is also affiliated with different academic societies of India like Immunohematology, Biotechnology, Blood transfusion and Hemophilia.

Year 2002

YAIR REISNER

Date of birth:.July 3, 1948

Academic record: MSc, PhD

He took his PhD from Weizmann Institute of Science after qualifying for BSc in Jerusalem and MSc at the University of California, Berkley, US. His deep interest in bone marrow transplantation began with his research (on sabbatical) at Sloan Kettering Institute, New York, where still the collaboration continues. He has steadily worked his way to rise to the present position of holding the Henry Drake Professional Chair in Immunology and the Head of the Rich Center for Transplantation Biology.

He is the pioneer of genetically mismatched bone marrow transplantation. He has saved hundreds of children with severe combined immune deficiency-the “bubble children”. He drew world wide attention in 1986 when he was invited by the USSR Ministry of Health to perform transplants on victims of Chernobyl nuclear accident.

His team has demonstrated a new approach to overcome major genetic barriers allowing mismatched bone marrow transplantation in patients with leukemia; in collaboration with groups in Italy, Germany and the US. Currently, the major emphasis of his studies is to apply the insights gained in the treatment of leukemia patients, to induce immune tolerance as a prelude for organ transplantation and for the treatment of cancer, with allogeneic immune cells.

Year 2005

WALTER LAND

Date of birth: October 3, 1938

Academic record: MD

He obtained his basic medical education in Edinburgh, Scotland. After his training in research in organ transplantation surgery from 1967-71 under Prof. Brendel, he developed his skills and vision in the field of transplantation. He has more than 1000 publications in the field of transplantation and has been a recipient of different awards including the "Pioneer medal" from International Transplantation Society in 2000.

He has contributed in different aspects of transplantation including experimental xenotransplantation, pancreatic transplantation and induction of immunologic tolerance. His contribution towards development of segmental pancreatic transplantation has significantly raised one year survival rates in these grafts. He is one of the early workers to introduce low dose and calcineurin sparing immunosuppression protocols to ameliorate their nephrotoxicity. His recent work on the decisive role of innate immunity in acute and chronic allograft rejection processes, the role of Tol-like receptors- bearing dendritic cells and vascular cells in initiating the injury to allograft has explained the long-term adverse effect on allograft survival including graft arteriosclerosis. He is the founder of International Society of Innate immunity.

His services to the field of transplantation immunobiology will help in realization of the Utopian dream of tolerance in clinical transplantation.

Year 2006

SIR PETER MORRIS

He was born in Australia, and graduated from the Medical School of the University of Melbourne and St. Vincent's Hospital. You received your surgical training in Australia, U.K. and U.S.A. After serving as Reader in Surgery at the University of Melbourne, he moved to Oxford in 1974 to establish major units in transplantation and vascular surgery there. He was the first Scientist to describe cytotoxic antibodies after renal transplantation in humans, define autoantibodies in renal allograft recipients, role of HLA in transplantation, diseases and in anthropological studies. He is one of the few Transplantation Immunologists to develop tolerance induction in transplantation in experimental model. He has been awarded with various illustrious fellowships of Surgical Societies of advanced nations of all the continents and has won many accolades, including Knighthood from the Queen in 1996 for his services to Medicine. He is one of the rare celebrated Scientists of the globe who is well known as the Author of the widely acclaimed Oxford Textbook of Surgery, and Kidney Transplantation. He is the most widely sought after Visiting, Emeritus Professor at various celebrated Universities, Advisor and Trustee of several Foundations and Chairman of the British Heart Foundation, foreign member of the American Philosophical Society and Past President of the International Society of Organ Transplantation.

Year 2006

CARL GROTH

He was born in Helsinki, Finland, and received his education up to Doctorate in Medicine, at Karolinska Institute, Sweden. After working with National Institute of Health and with Prof. Starzl at Denver in Colorado, he returned to Sweden to develop the field of Transplantation Sciences there. He was the first person to perform pancreas, bone marrow, liver and islet transplantation in Sweden. He is the pioneer in translational research for organ transplantation and one of the pioneers in research on cell and organ transplantation in metabolic diseases, in xenotransplantation and in immunosuppression. The transplantation biologists have started looking up with great expectations at his model of pig-to-man islet transplantation for bringing succor to suffering diabetics all over the world. Apart from being honored as Fellow of Royal College of Surgeons of England, American Surgical Association and various other Societies, he is one of the rare celebrated Scientists of the globe who has over 700 scientific articles, 40 book chapters and the first monograph on Pancreatic Transplantation, to his credit. His list of associations with various Professional and Scientific Societies ranges from being a member of the American Philosophical Society to being Past President of the International Society of Organ Transplantation and Ex-Chair of the Nobel Assembly.

Year 2007

PAUL TERASAKI

He was born in 1929 in neighborhood of Los Angeles, and received doctorate in zoology at UCLA. He became a Professor of Surgery at UCLA's School of Medicine and pioneered in tissue-typing test for organ transplant donors and recipients. He has set guidelines for transplanters all over the world. He relinquished his position in UCLA and started his own corporation, One Lambda, which has played a central role in the development of tissue typing and transplantation surgery across the globe. In 1991 he edited a volume entitled *History of Transplantation: Thirty-five Recollections*.

He has also established the UCLA Kidney Transplant Registry, the largest in the world. In 1999, after retiring from UCLA, within one year, he resumed academic pursuits with the creation of the Terasaki Foundation, a research center dedicated to cancer immunotherapy and the study of humoral immunity and transplantation.

Year 2009

SIR ROY CALNE

He was born in 1930 in Richmond, Surrey in United Kingdom. He took to Surgery passionately for his profession. He is the pioneer of kidney, liver and subsequently multi-organ transplantation of Europe, the later was developed in 1994. The immunosuppressive agent cyclosporine which was invented by Jean Borel was introduced in clinic successfully by Sir Roy Calne to rule the world of immunosuppression for several decades. He was knighted as Bachelor in 1986 for all these extraordinary efforts. Apart from being an extraordinary Transplantation Biologist, he is a rare blend of an accomplished painter and a profound thinker who has come on this globe to serve the humanity at his best.

Year 2010

MARK HARDY

He was born in 1938 in Poland and educated in the United States. He was trained in surgery at Albert Einstein College of Medicine, New York and further specialized in Transplantation. He was the founder of Organ sharing network of NY and renal and islet transplantation of Columbia Presbyterian hospital at NY.

He has been a reviewer and editorial board member of various journals of high repute. His special interest in Transplant tolerance induction, pancreatic islet transplantation to cure diabetes, hepatocyte transplantation for liver disease and experimental clinical studies of immunosuppressive drugs is likely to change the course of transplantation immunobiology.

Year 2011

MANIKKAM SUTHANTHIRAN

He was born on 15th August, 1947 in Chennai, India. After his basic medical training in Chennai, He received his further education in various distinguished medical schools of the US. At present he holds the Stanton Griffis Distinguished Professorship in Medicine, and Professorships in Biochemistry and Surgery in Medicine at Cornell University Medical College, NY. He is the founding Chairman of the Department of Transplantation Medicine, and Chief of Nephrology and Hypertension at the New York Presbyterian-Cornell Medical Center. He serves as the Co-Chair of the Executive Transplantation Council of the Multi-Organ Program of Columbia and Cornell, New York-Presbyterian Hospital.

His research has yielded key insights into T-cell activation, mechanisms of immunosuppression and allograft rejection. His discovery that T-cell CD2 protein is a receptor for antigen presenting cells and generates signals obligatory for T-cell activation has led to clinical trials of CD2 antigen blockade for tolerance induction to human renal allografts. His demonstration that CD3 signaling stimulates cytotoxic T-cells, memory T cells and NK cells, elucidation of the role of hydroxyl radicals in NK cell activity, and discovery of cell-surface expression of TNA alpa by CTLs have eliminated life-threatening complications associated with anti-CD3 mAbs and have optimized the use of anti-CD3 mAbs in patients with allografts, type 1 diabetes and psoriasis. These and other discoveries have enriched the world of transplantation biology.

Year 2012

KATHRYN WOOD

She started her career with Biochemistry at the University of Birmingham where she received a D.Phil from the University of Oxford in 1981 for her work on the complement system. she were elected as a Fellow of the Academy of Medical Sciences in 2002 apart from having a broad array of responsibilities all across the globe like being on NIH Expert Panel on Transplantation Research, Better Biomarkers in Transplantation Advisory Board, and the President of The Transplantation Society. She have Royal Society–Wolfson Research Merit Award for research excellence.

Currently she is an editor of “Transplantation” and a Professor of Immunology in the Nuffield Department of Surgery, University of Oxford. She has spent her life in finding out the secrets of immune responses towards an allograft and thus have ventured to find out ways of immune regulation to achieve normal life after organ transplantation with no immunosuppression requirement called “tolerance”.

Year 2012

PRANJAL R. MODI

He was born in Ahmedabad, India in 1968 and grew up in Gandhian culture. He received his basic medical education and training in general surgery at M.P. Shah Medical College, Jamnagar, in Gujarat. He then joined Institute of Kidney Diseases and Research Centre and Institute of Transplantation Sciences in Ahmedabad never to look back. With his sheer hard labor and dedication towards the subject and patients he started climbing the academic ladder to reach the position of Professor in Urology and head of the Transplantation surgery. His thirst for knowledge and research made him dive deeper in the area of transplantation surgery.

Since last sixty years of evolution of transplantation as a science, there was no path breaking work in the kidney transplantation surgery. He added new pages to this area by establishing laparoscopic transplantation and helped patients return to mainstream of life quickly. However his grooming and hero-worship of Mahatma Gandhi did not let him rest in peace. He travelled widely and spent hours of days and nights to learn and establish the technique of liver transplantation at the cost of his personal life so that the common man of the country gets the treatment of liver transplantation and does not die on the streets untreated! He has developed this area and skills and is creating a team of dedicated doctors in service of mankind! In addition, he is also a voracious reader and prolific writer apart from being a reviewer and editorial board member of various journals of high repute. His dream to develop laparoscopic and robotic surgery for kidney and liver transplantation and develop living donor liver transplantation will soon become a reality and patients and medical fraternity will ever remember him for this services!

Year 2013

OLLE RINGDÉN

He received his basic medical education and training in general surgery at Karolinska Institutet, Stockholm. After receiving Doctorate in Immunology, he pursued post-doc research in his parent institute and The Fred Hutchinson Cancer Research Center at Seattle, USA. After several years of research experience he dedicated himself to his roots in Sweden. With passion and dedication towards clinical immunology he climbed the academic ladder to reach the position of Medical Director at Centre for Allogeneic Stem Cell Transplantation at Huddinge University Hospital, Sweden. His contribution towards the establishment of Transplant Immunology, particularly in bone marrow transplantation was recognized by his institute by giving the rare honor of naming his lab as ***Olle Ringdén Laboratory*** *in* 2012.

He has been responsible for training many post-doc researchers and young aspirants in the field of bone marrow transplantation, for creating Nordic and Scandinavian Bone Marrow transplant registries and many other professional societies. Apart from authoring atleast 800 research papers, being a member on editorial board of several journals, he is one of the highest cited authors in his field of specialization.

Year 2013

KOICHI TANAKA

He started his career in the field of Medicine at Kyoto University, Japan. He rose to the position of Professor and Director of the department of Transplantation and Immunology at Kyoto University hospital after a hard labor of about 25 years and soon became the Hospital Director in the year 2001. He has been instrumental in developing the Foundation for Kobe International Medical Alliance and Foundation for Biomedical Research and Innovation in Japan.

His unparalleled contribution in developing and establishing liver transplantation not only in Japan but Asia as well will be important historical milestone in the welfare of patients suffering from end stage liver failure! He has been honored with several prestigious awards like Uehara award, Takeda Science award, Keio Medical Science Award and Lifetime achievement award by Asian Society and has about 300 published articles in English literature alone.

Year 2015

SHIMON SAKAGUCHI

He received his basic medical education and training in Pathology at Kyoto University Medical School. He has worked extensively in wide areas of Blood transfusion services, Pathology, Infectious diseases, Immunology and Rheumatology. After gaining strong ground in these subjects in his own country, he went to US to gain further experience at The Johns Hopkins Medical Institutions, Stanford University Medical Center and Scripps Research Institute for some time. He came back to his roots in Japan to work in Experimental Pathology and Immunology. With intense hard work and wide experience he was elevated to the Chair of Director of Institute for Frontier Medical Sciences at Kyoto University. Currently he is working as Vice-Director of the Immunology Frontier Research Center of Osaka University and also as Adjunct Professor of Oncology at Roswell Park Cancer Institute, US. His brilliant scholastic career started with the Lucille P. Markey Scholar Award in Biomedical Science in 1986 to continue receiving several awards and honors from his own country like Takeda Medical Award, The Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology from the Government of Japan, Medal with Purple Ribbon from the Emperor, Japan Academy Award and others, to name a few.

He is on the editorial board of several journals like Science, Journal of Experimental Pathology and eLife. The history pages in transplantation immunobiology will remember him for his outstanding research on Regulatory T cells for immune tolerance and homeostasis for realizing the Utopian dream of transplant tolerance, the ultimate hope for transplant recipients and physicians!

Year 2016

SHIMON SLAVIN

Currently serving as the Medical & Scientific Director of the International Center for Cell Therapy & Cancer Immunotherapy (CTCI) in Israel, he received his basic medical education at the Hadassah Hebrew University School of Medicine in Jerusalem in 1967. After receiving training in clinical immunology and bone marrow transplantation at Stanford University, and Seattle's Bone Marrow Transplant Center, USA, he gifted your country with its first bone marrow transplantation unit in his own alma mater in 1978. He started stem cell transplantation in Israel in 1980 which now serves patients from all over the world. In addition he has enriched the globe by helping establish new transplant centers in Asia, South America and Europe.

He introduced successfully the use of donor lymphocyte infusion in 1987 and pioneered the use of adoptive allogeneic cell-mediated immunotherapy and cytokine activated lymphocytes, for treatment of cancers and for prevention of relapse, following stem cell transplantation for solid organ and hematologic malignancies. His innovative non-myeloablative stem cell transplantation has been the cornerstone of success in achieving transplantation tolerance, the Utopian dream for all! More recently he introduced the use of personalized tumor cell vaccines and cell therapy for certain malignancies and AIDS. His active interest in using mesenchymal stromal cells (MSC) in regenerative medicine, including neurological diseases like multiple sclerosis, Parkinson's disease, spinal injury, for cartilage repair and new bone formation, diabetes mellitus and to develop innovative cost-effective modalities for patients is worthy to be noted by the world. He has authored 4 books and more than 650 scientific publications and is on the editorial board of several journals.