

## **Detailed CV**

---

### **Dr. Lakshmi Kiran Chelluri**

1-11-126/7/A, Rao Residency, Lane#2, Street#5, Shyamlal Building,  
Begumpet, Hyderabad (TS) - 500 004, India.

E-mail: [apparusu\\_68@yahoo.co.in](mailto:apparusu_68@yahoo.co.in)

### **Career Brief & Looking Ahead:**

I am driven by passion in utilising the science & technology skill set acquired in my education, towards social cause of contributing towards better health and improving the quality of life. I have had long, proven expertise in the areas of Immunogenetics, Stem Cell Biology, Tissue Engineering and Nano-biomaterials. All this was possible due to consistent effective communication abilities to collaborate on complex projects with the thought leaders. Looking ahead, I wish to challenge myself and expand academic and research knowledge base and the avenues wherein I get a chance to further my academic acumen and laboratory services.

### **EDUCATION**

- |      |  |
|------|--|
| 2020 | Coursera online certified course on Genomic Data Science Specialization by Johns Hopkins |
| 2000 | BOYSCAST Fellowship, Post-Doctoral at LUMC, Chicago, USA, [Transplant Biology]           |
| 1999 | PhD (Immunogenetics) Osmania University, Hyderabad, India                                |
| 1993 | M.S (Pharmacy), BITS Pilani  |
| 1991 | B. Pharm (Hons.), BITS Pilani  |

## EXPERIENCE [~ 19 yrs inclusive of the part-time Ph.D program]

- **2006 to till date** Global Hospitals, Hyderabad, India  
Consultant and Head of the Department, Stem Cell Unit, Immunology and Transplant Biology
- Awarded 'Fellow of Royal College of Pathologists (FRCPath), UK
- Initiated Luminex based tissue typing services for the pre-transplant work up of solid organ and BMT procedures.
- Test License from DCG (I) & CDSCO has been obtained for the first time in a hospital setting for Autologous SCCP products derived from bone marrow and adipose tissue mesenchymal stem cells.
- MoU with Marshall B Ketchum University, USA in conducting collaborative studies in infection mediated inflammation biomarkers and autophagy mechanisms.
  - Obtained the NAC-SCRT registration of the IC-SCR.
  - NABL accreditation for Tissue Typing Services for the first time in states of Telangana, AP and the Southern India.
- Organisation and functioning of Scientific Advisory Committee of the hospital.
- In-house DSIR recognition application filing/renewal for RGE.
- Involved in NABL SOPs for accreditation of the histocompatibility/ immunology clinical services.
- Academic, Research and development activities of the department such as project drafting, presenting to DBT, DST and managing the funded projects.
- Technical Manager for the Laboratory Medicine Department.
- Conduct internal audits and training for ISO 15189:2012.
  - Implementation of ISO 15189:2012; NABL 112 activities
  - Conducting internal audits and external audits in the area of Medical Testing.
  - Initiated the cGMP compliant facility for stem cell transplants. Standardized the cell based therapy using autologous mesenchymal stem cells.
  - GMP SOPs preparation
  - Investigator initiated trials in cell based therapies were introduced. Standardised two new protocols for culturing olfactory ensheathing cells (OEC's).
  - Current research is focused on transdifferentiating the rodent bone marrow mesenchymal stem cells to insulin secreting beta islets and nano-encapsulate them for the long term insulin therapy for the treatment of Type-I diabetes in pre-clinical studies. To study the safety and efficacy of the registered investigator initiated trials in treating Cardiovascular Diseases (Dilated Cardiomyopathy; Scarred/Injured Myocardium: Myocardial Infarcts), Spinal Cord Injuries, Cartilage regeneration, End Stage Lung Diseases, Combination therapy in chronic spinal cord injury, immune reconstitution using mesenchymal stem cells and in MDR-Tb: using novel nano- biomaterial along with mesenchymal stem cells in treating intervertebral disc degeneration in an injectable form in a mouse model. We also are looking into the real-time visualization of these stem cells in rodent models, tagging with nanoprobe and functionalized bio-compatible surface. Identified SIRPA and KDR as Cardiac precursors from the SVF of the adipose tissue. Standardized the adipose derived mesenchymal stem cells and chondrocyte cultures for treating the cartilage defects. Working on 3D

printed bio-scaffolds for the cartilage construction. This would help treat large focal chondral defects.

- Routine diagnostic work for autoimmune diseases and pre-transplant workup for solid organ, bone marrow and HSC transplants.
- Routine lab administrative responsibilities.

**2005 to 2006** L V Prasad Eye Institute, Hyderabad, India  
Research Associate

- Carried out research that involved ex-vivo cultivation of limbal epithelium for differential immunological responses
- Evaluated relevance of stem cell therapy for allogeneic applications using bone marrow derived mesenchymal stem cells and their histocompatible markers
- Experimented with limbal stromal like cell for the first time and co-cultured the limbal epithelial cells for the MHC down regulatory mechanisms
- SOPs for clinical stem cell transplants.

**2002 to 2005:** Transimmun Diagnostics and Research Centre, Hyderabad, India

Consultant Immunologist

- Established a tissue typing laboratory facility for prospective transplant cases in the state of Andhra Pradesh for the first time. This facility currently caters to the needs of patients coming from places as far as Assam, Orissa, Uttar Pradesh and even from outside India.
- Expanded the departments within this facility to render services of clinical bio-chemistry and pathology with special emphasis on the immunosuppressive screening
- The facility is also considered as a referral centre for difficult cases of pre-transplant screening.

**2000** Loyola University Medical Centre, Chicago, USA

Research Associate (Department of Science and Technology Funded)

- Awarded prestigious young scientist fellowship by Department of Science and Technology, India to pursue post-doctoral research on state-of-the-art technologies in clinical and diagnostic applications area and transplant biology area.

Mahavir Hospital, In-charge (Department of Immunology)

Awarded prestigious young scientist fellowship by Department of Science and Technology, India to pursue post-doctoral research on state-of-the-art technologies in clinical and diagnostic applications area and transplant biology area during the tenure.

**1996-1998**  
**1993-1996**

Senior Research Fellow  
Junior Research Fellow

## **AWARDS AND ACHIEVEMENTS**

---

- 2016 Selected as Technical Assessor for Dubai Accreditation Centre (now EIAC)
  - 2015 FACT Global Affairs Committee Member
  - 2015 Promoted as Lead Assessor in Medical Testing: NABL.
  - 2011 Elected Member Secretary- Asia Region, International Society for Cellular Therapy from June 2011-May 2014
  - 2011 National Accreditation Board for Testing Laboratories: Certified Technical Assessor for Medical Testing of Laboratory Services
  - 2010 Invited Member of Treatment Advisory Registry Board, International Cellular Medicine Society, May 2010-May2012;
  - 2009 DST/ ITS-grant to attend the Annual ISCT meet at San Diego, USA, May 2009, Observer ship to Stem Cell Lab at Salk Biological Research Institute
  - 2000 BOYSCAST (Overseas) fellowship sponsored by Department of Science and Technology to Loyola University Medical Centre, Chicago (USA)
  - 1993 Dr. K.S.N. Murthy gold medal for best scientific paper
  - 1983 NTS scholarship
- 

## **MEMBERSHIP**

International Society for Cell Therapy Indian Immunology Society

Australasian South-East Association Tissue Typing Association Member, IEC – 2006-2012

Member Secretary, SAC – 2014-2018

## **CME LECTURES**

---

1. Clinical Proteomics in Clinical Diagnostics at AICBA, Hyderabad on October 13<sup>th</sup>, 2006
2. The impact of Histocompatibility testing on allograft survival. Current trends in transplant biology- implications in cadaver donor transplantation. Global hospitals. Hyderabad. 16<sup>th</sup> Feb.2008.
3. Solid organ transplantation- solid reasons for better survival. Twin City Pathologists Meeting.Global Hospitals. 24<sup>th</sup> Oct,2008.
4. Applications of adult stem cell therapy. BHEL, Hospital, Hyderabad. January 2009.
5. In Vivo Imaging Solutions for Stem Cell Applications. Zoology Department, Osmania University Hyderabad, March 2010.
6. Viral vectors as new generation transporters in the generation of inducible pluripotent stem cells [iPS].Microbiology Department, Kakatiya University, March 2010.
7. Basics of Stem Cell Science for Clinicians. 38<sup>th</sup> Annual meet of AP-APICON, Hyderabad, August 7<sup>th</sup>-8<sup>th</sup>.2010.

- 
8. Use of mesenchymal stem cells to repair tissue injury. 10<sup>th</sup> Biennial Meeting of ICRB-NISSRO, Indo-US meet at SRMC, Chennai, Nov 15-17, 2010.
  9. Stem cell therapy in spinal cord injury. Cell therapy symposium and workshop on confocal microscopy. Pt. J H N Medical College, Raipur, 25<sup>th</sup> July, 2011
  10. Clinical Grade Mesenchymal Stem Cells; Quality considerations in process and product development. Pt. J H N Medical College, Raipur, 25<sup>th</sup> July, 2012.
  11. Progress, Promise and Future of Dental Pulp Stem Cells. MNR Dental Medical College, 25<sup>th</sup> September, 2012.
  12. Stem cell therapy in cardiovascular diseases. CSI, WCC, Apollo Health City, Hyderabad. June 21<sup>st</sup>, 2015.
  13. Trending Technologies in Biology & Medicine. 27<sup>th</sup> August, 2015. KL University.
  14. Stem Cells in Clinical management. 11<sup>th</sup> Jan, 2016, BITS Pilani, Hyderabad Campus.
  15. HLA & Transplantation. 21<sup>st</sup> Jan, 2016. NIT, Warangal.
  16. SIRPA and KDR as Key Regulatory Markers in Cardiac Specific Precursor Selection from hADSCs. CME conducted by the OU Genetics/Bio-technology Centenary celebrations. 2017

---

**Examiner – Osmania University- Department of Biotechnology Grant Reviewer: MRC (UK);**

**DST & DBT (Govt .of India); Consulting Editor:** International Journal of Nanomedicine.

**Editorial Board Member:** Stem Cell Studies; Journal of Developmental Biology & Tissue Engineering; Journal of Haematological Malignancies; Telegraft ISCT Quarterly News letter (2011-2014), New Horizons in Translational Medicine (Elsevier Journal).

**Journal Peer Reviewer:** Journal of Cell Science; Journal of American College of Cardiology; Cytotherapy, Stem Cells and Cloning: Advances and Applications; International Journal of Nanomedicine; African Journal of Internal Medicine; Journal of Biosciences; Journal of Hematological Malignancies; Stem Cell Studies, Nuclear Medicine and Biology, Jour.of Stem Cell Research & Therapy; Stem Cells and Translational Medicine.

**Guest Editor** for Current Respiratory Medicine Reviews on the thematic issue: The Role of Stem Cells in Multi-Drug Resistant (MDR) and Extensively Drug Resistant (XDR) Tuberculosis

#### **Guest Faculty/Teaching experience**

Recognised Ph.D supervisor for guiding students of Zoology, Biochemistry Departments, Osmania University.

Ph.D Supervisor : Ms.Vasantha (Department of Biotechnology, JNTUH); Ms. P. Ushashalini (JNTUH); Ph.D students Co-Supervisor:

Awarded Ph.D: Dr. Subhash Pawar (Microbiology Department, Kakatiya University) Dr. Tanya Debnath (Genetics Department, Osmania University)

M.Sc/M.Tech Dissertations: 17

Post-doctoral mentor: 05 [DST SERB NPDF- 01]

## **ACADEMIC EVENT ORGANISATION**

2008 - CME on the “Current Trends in Histocompatibility Testing

2010- Symposium on the “Advances in Cell Based Therapies”

2012 – Planning Member of the ISCT GRP Workshop, Auckland, New Zealand.

2013- CME On: Enabling technologies in Immunodiagnostics and Therapy” under the aegis of Indian

Immunology Society, Global Hospitals and GMERF.

2013- Planning Member of ISCT Annual Meeting “Quality and Operations Track” being held in Paris, 2014.

---

2013 – Planning Member of the ISCT GRP Workshop being held in Paris 2014. 2013 - Member ISCT Social Media Networking Steering Committee

2015- Workshop on Immunological Techniques for the Post-graduate Science students of Bhavan’s college. Academic program on 3D printing in biomedical applications.

### **SESSION CHAIR:**

Chair of the session in the Indo-US workshop on “Promoting Ethics Education in India” by CITI, University

of Miami and SRMC, Chennai. November 24<sup>th</sup> -26<sup>th</sup>, 2009 with CME credits of 8.0.

Co-Chair at the Normal Stem Cell Session and one of the judge for the young investigator award session at 10<sup>th</sup> Biennial Meeting of ICRB-NISSRO, Indo-US meet at SRMC, Chennai, Nov 15-17, 2010

### **ORAL PAPER AWARD JUDGE**

10<sup>th</sup> Biennial Meeting of ICRB-NISSRO, Indo-US meet at SRMC, Chennai, Nov 15-17, 2010

### **HIGHER TRAINING**

---

Molecular approaches to the understanding of immune diversity, immune regulation and autoimmunity. Sponsored by Merieux Foundation, France held at Madurai Kamaraj University (November 14<sup>th</sup> - November 20<sup>th</sup>, 1994).

Donor selection techniques in organ transplantation. Sponsored by DST, DBT, and AIIMS held at AIIMS, New Delhi (February 5<sup>th</sup> - February 17<sup>th</sup>, 1996).

Sero-diagnostic techniques. Workshop sponsored by CSIR and DST held at DBT, New Delhi (May 4<sup>th</sup> 1997).

World Health Organization and Indian Council for Medical Research workshop on ethical issues in medical research at Chennai (January 22<sup>nd</sup> - January 24<sup>th</sup>, 2001).

Higher training in advanced technology of HLA and QC/QA requirements at LUMC, Chicago, USA [Jan 2000- June 2000]

Special training on ex-vivo expansion of CD34 + at BMTU in LUMC, Chicago, 2000 [Jan 2000 – June 2000]

Symposium on the Stem cell Research and Ethics, organized by INSA, CCMB, IICT. Dec. 2005 [3 days]

Observership at Salk Research Institute, University of California, San Diego, Burnham Stem Cell labs, San Diego, USA at Stem Cell Lab on ES therapy/Adult Stem Cell Therapy [ May 6<sup>th</sup> – May 9<sup>th</sup>, 2009]

Workshop on Flowcytometer applications in Stem Cell Therapy. ISCT Annual Meet Pre-Conference Workshop, San Diego, USA, May 3<sup>rd</sup>, 2009.

Indo-US Workshop on Molecular Imaging in Health, Disease and Drug Discovery at CCMB, Nov-

8-10<sup>th</sup>, 2010.

Successfully completed the NABL Lead assessors training course held at St. John's Medical College, May 2<sup>nd</sup> to May 6th, 2011 conducted by NABL.

## **RESEARCH INTERESTS**

1. Establish Interdisciplinary Stem Cell Division
2. Stem cell research in the areas of cardiovascular, spinal cord injuries and diabetes.
3. Mesenchymal stem cell biology
4. Tissue typing for all organ transplants and related biology.

## **Research Grants Received**

<b>S.No.</b>	<b>Title of the Project</b>	<b>Funding agency</b>	<b>Amount</b>	<b>Date of sanction and duration</b>
1.	Functional restoration of infarcted/scarred myocardium through transplantation of bone marrow stem cells [PI]	GMERF Intramural	INR 500,000	November 2005/ 4 years
2.	Intra-coronary autologous stem cell transplantation in acute myocardial infarction(AMI) [PI]	GMERF Intramural	INR 500,000	November 2005/ 4years
3.	Autologous stem cell transplantation in Ischemic cardiomyopathy with diffuse coronary artery disease (CAD) [PI]	GMERF Intramural	INR 500,000	Completed
4.	Regeneration of chronic injured spinal cord by stem cell transplantation: A clinical trial [PI]	Intramural DBT	INR 500,000	Completed
5.	The immunological and molecular studies in tuberculosis patients to understand the high prevalence of the disease in younger age groups- scheme for young scientists- Co-Investigator	102/IFD/PR 2029/2007- 2008 Extramural DST	INR 6,25,000	Completed
6.	In vitro transdifferentiation of bone marrow mesenchymal stem cells into insulin secreting cells and their functional evaluation in vivo [Phase I trial] [Key Investigator]	SR/NM/NAT- 03/2006 Extramural GMERF	INR 29,50,000	2007-2009 Completed
7.	Bovine Serum Albumin (BSA) in PCR amplification – potential application in clinical diagnostics [PI]	Intramural GMERF	INR 200,000	Completed
8.	Detection of SNP in IL-10 promoter gene as a diagnostic parameter in SLE patients [PI]	Intramural BT/BIPP0296/	INR 100,000	Completed
9.	Functional evaluation of autologous cell-based therapy in cardiovascular diseases – Molecular Imaging technology]-Key Investigator	07/10-DBT Extramural GMERF	737 Lakhs	
10.	Microenvironment profiling of the stromal cell interaction matrix (ECM) in tissue injury	Intramural GMERF	INR 5 Lakhs	2012-2015
11.	A study on the immunotherapeutic strategies in autoimmune diseases	DST-SERB	INR 5 Lakhs	2012-2015
12.	De-Cellularization and re-cellularization of rat liver matrix scaffold – Mentor to National PDF SERB fellow	Extramural	INR 19.5 L	2017-2019
13.	Cell death mechanisms in Infection and Inflammation	Indo-US Collaboration		2017-2020
14.	Articular Cartilage Tissue Construct by Microfluidics in an organ-on-a-chip	DST –SERB SPF/2021/000126	On-going 38.5 L	2022-2025

**Cumulative Citations: 417**

**H index: 11**

**Academic Publications:**

**PUBLICATIONS**

**International**

1. Upasna Upadhyay, Saketh Kolla, Siddhartha Maredupaka, Swapna Priya, Kamma Srinivasulu, **Lakshmi Kiran Chelluri**. Development of an Alginate-Chitosan Biopolymer Composite with dECM Bioink Additive for Organ-on-a-Chip Articular Cartilage. *Sci Rep* 14, 11765 (2024). <https://doi.org/10.1038/s41598-024-62656-1>.
2. Upadhyay, Upasna, Kamma Srinivasulu, and **Lakshmi Kiran Chelluri**. Standardizing Chondrocyte Isolation and Articular Cartilage Decellularization: A Versatile Bioink for Tissue Engineering Applications. *Methods Mol Biol.* (2024). doi: 10.1007/7651\_2024\_534. PMID: 38507214
3. Upasna Upadhyay, Saketh Kolla, **Lakshmi Kiran Chelluri**. Extracellular matrix composition analysis of human articular cartilage for the development of organ-on-a-chip. *Biochemical and Biophysical Research Communications.* 667, 81-88 2023 <https://doi.org/10.1016/j.bbrc.2023.04.117>
4. S.Vangara., Chandan Kumar K., Kondal Reddy., **Lakshmi Kiran Chelluri.**, Natraj Goud Burra., Prasanna Latha. Comparative study of Gut Microbiome signatures in Cirrhotics undergoing living donor liver transplantation. *Journal of Clinical & Experimental Hepatology.* Vol 12, Suppl 2, S49-50 (2022).
5. Joshi, L., Chelluri, L., & Gaddam, S. (2021). Cytokine production and gene polymorphisms of IFN-gamma, IFN-gR1 and IL12. *Polymorphism*, 6.
6. Lakshmi Kiran Chelluri, Yamuna Mohanram, Rashi Jain, Chandra Shekar Mallarpu, Meenakshi Ponnana, Deepak Kumar, Venkata Vamsi Krishna Venuganti, Ravindranath Kancherla, Rao VL. Papineni, Rheal Towner, Partha Ghosal. Effect of engineered superparamagnetic iron oxide nanoparticles intargeted cardiac precursor cell delivery by MRI. *Biochemical and Biophysical Research Communications.* 541 (2021) 15-21. [IF 2.985]
7. Chandra Shekar Mallarpu, Meenakshi Ponnana, Sudhir Prasad, Maneendra Singarapu, Jean Kim, Neda Hariripara, Nemanja Bratic, Harvinder Brar, Lakshmi Kiran Chelluria, Charitha Madiraju. Distinct cell death markers identified in critical care patient survivors diagnosed with sepsis. *Immunology Letters.* 231 (2021) 1–10. [IF 3.276]
8. Tanya Debnath., Chadrasekhar Mallarpu, Lakshmi Kiran Chelluri. Development of bioengineered organ using biological acellular rat liver scaffold and hepatocytes. *Organogenesis.*2020; 1-12. [IF 1.97]
9. Tanya Debnath, Kancherla Ravindranath, Chandra Shekar Mallarpu, Pavan Mujawdiya, Suman



- Kapur, Lakshmi Kiran Chelluri. Re-populated natural extracellular matrix as a functional liver graft for organ regeneration. *Journal of Tissue Science and Engineering*. 2020. 16 (2): 61-72.
10. Tanya Debnath, Lakshmi Kiran Chelluri, LK Kona, KS Ratnakar. Evaluation and Assessment of Differentiation Potential of Human Adipose-derived Stem Cells on Chitosan Hydrogel. *Trends in Biomaterials and Artificial Organs*; 2018; 32(1), 62-67.
  11. Tanya Debnath., Lakshmi Kiran Chelluri. Standardisation and quality assessment for clinical grade mesenchymal stem cells from human adipose tissue. *Brazilian Journal of Hematology, Transfusion Medicine & Cell Therapy*;2018;10.1016/j.htct.2018.05.001.
  12. Lakshmi Kiran Chelluri., Upasna Upadhyay., Raveendra Nallagonda., Sudhir Prasad., Samiuddin M., Sindhoora Rawul., Eswara Prasad Chelluri. Safety Study of Autologous Adult Bone Marrow Derived Mesenchymal Stromal Cells in Idiopathic Pulmonary Fibrosis - Pilot Data. *New Horizons in Translational Medicine*. 2017: 4(1-4);15-22
  13. Usha Shalini P., Vidyasagar JVS., Lakshmi K Kona., Meenakshi Ponnana., Lakshmi Kiran Chelluri. In vitro allogeneic immune cell response to mesenchymal stromal cells derived from human adipose in patients with rheumatoid arthritis. *Cellular Immunology*.2017; 10.1016/j.cellimm.2017.01.008. [IF2.33].
  14. Rashi Jain., Yamuna Mohanram., Lakshmi Kiran Chelluri., Deepak Kumar., Nataliya Smith., Debra Saunders, Shubmitha Bhatnagar, Venkat Vamsi Venuganti., Ravindranath Kancherla., Ratnakar Kamaraju., Rao VL Papineni., Rheal A Towner., Partha Ghosal. A modified approach to image guided cell based therapy for cardiovascular diseases using cardiac precursor nanoprobe – GloTrack. *Nature Protocol Exchange* doi:10.1038/protex.2016.004.
  15. Lavanya Joshi, Meenakshi Ponnana, Ramya Sivangala, Lakshmi Kiran Chelluri., Prathiba Nallari, Vijayalakshmi Valluri, Sumanlatha Gaddam. Cytokine production and mRNA expression in pulmonary tuberculosis patients and their household contacts of youngerage group (15–25 years). *Jour. Immunol. Methods*. doi:10.1016/j.jim.2016.02.012. [IF1.8]
  16. Lavanya Joshi, Meenakshi Ponnana, Ramya Sivangala, Prathiba Nallari, Lakshmi Kiran Chelluri, Sitarama Raju Penmetsa, Vijayalakshmi Valluri, Sumanlatha Gaddam. Evaluation of TNF, IL-10 and IL-6 cytokine production and their correlation with genotype variants amongst tuberculosis patients and their household contacts. *PLoS ONE*. DOI:10.1371/journal.pone.0137727 [IF3.53]
  17. Subhash Pawar., Sanditi Ram Reddy., Lakshmi Kiran Chelluri., Chelluri Eswara Prasad. Seroprevalence of Helicobacter pylori infection in patients of tuberculosis: analysis by ELISA, western blot, indirect immune fluorescence assay. *Int.J.Curr.Microbiol.App.Sci*.2015.4(7): 330-338 [IF 2.0]
  18. Usha Shalini P., Tanya Debnath., Vidyasagar JVS., Ravindranath Kancherla., Suguna Ratnakar Kamaraju., Lakshmi K Kona., Lakshmi K Chelluri. A study on FoxP3 and Tregs in paired samples of peripheral blood and synovium in rheumatoid arthritis. *Central European Journal of Immunology*. 2015; 40(4):431-436.[IF:0.5]

19. Iyer RN., Chelluri EP., Chelluri LK. Role of mesenchymal stem cell based therapies in MDR/XDR TB and Co-morbidities. *J Stem Cell Res Ther.* 2015; 5:284; doi:10.4172/2157-7633.1000284.[2.68]
20. TanyaDebnath.,UshaShalini.,LakshmiKKona,VidyasagarJVS,SugunaRatnakarKamaraju, Sumanlatha Gaddam, Lakshmi Kiran Chelluri. Development of 3D alginate encapsulation for better chondrogenic differentiation potential than the 2D pellet system. *Jour. Stem Cell Res. Ther.* 2015;5:276.doi:10.4172/2157-7633.1000276.[IF3.81]
21. Lavanya Joshi., Lakshmi Kiran Chelluri., Sumanlatha Gaddam. Mesenchymal stromal cell therapy in MDR/XDR tuberculosis: A concise review. *Archivum Immunologiae et Therapiae Experimentalis.* 2015; DOI 10.1007/s00005-015-0347-9. [IF2.81]
22. Vinod Kumar Verma, Syed Sultan Beevi, Tanya Debnath., Usha Shalini ,Suguna Ratnakar Kamaraju, Lakshmi Kumari Kona, Yamuna Mohanram., Lakshmi Kiran Chelluri. Signal Regulatory Protein Alpha (SIRPA) and Kinase Domain Receptor (KDR) are Key Expression Markers in Cardiac Specific Precursor Selection from hADSCs. *New Horiz Transl Med.* 2015; 2;93-101.
23. Tanya Debnath, Sutapa Ghosh, Usha Shalini, Lakshmi Kona, SugunaRatnakar Kamaraju, Suprabhat Sarkar, Gaddam Sumanlatha, Lakshmi Kiran Chelluri. Proliferation and differentiation potential of human adipose-derived stem cells grown on chitosan hydrogel. *PLoS ONE.*2015; 10(3):e0120803. DOI: 10.1371/journal.pone.0120803.[IF 3.53]
24. Vinod K Verma., Suguna Ratnakar Kamaraju, Ravindranath Kancerla, Lakshmi K Kona.,Syed Sultan Beevi., Tanya Debanth, Usha Shalini, Ram Mohan VSV, Ali S Arbab., Lakshmi K Chelluri. Fluorescent magnetic iron oxide nano-particles for cardiac precursor cell selection from stromal vascular fractionand optimization for magnetic resonance imaging. *International Journal of Nanomedicine.* 2015;10:711- 726.[IF4.55].
25. TanyaDebnath.,UshaShalini.,LakshmiKKona,VidyasagarJVS,SugunaRatnakarKamaraju, Sumanlatha Gaddam, Lakshmi Kiran Chelluri. Comparative analysis of chondrogenesis from cartilage tissue and alginateen capsulated human adipose stem cells. *Journal of Arthroscopy and Joint Surgery.*2015;10.1016/j.jajs.2015.06.00.
26. Vinod K Verma., Syed S Beevi., Aijaz Tabassum., Kumaresan K., Ratnakar KS., Ali S Arbab., Lakshmi K Chelluri. In vitro assessment of cytotoxicity and labeling efficiency of <sup>99m</sup>Tc- HMPAO with stromal vascular fraction of adipose tissue. *Nuclear Medicine and Biology.*2014;41(9); 744-748. [IF 2.56]
27. Parul Garg., Tanya Debnath., Lakshmi Kiran Chelluri., Neha Hebalkar. Feasibility of polymer based cell encapsulation using electrostatic layer by layer assembly. *Journal of Biomaterials and Tissue Engineering.*2012; 2(3); 215-219. [IF:1.1]
28. UshaShaliniP.,TanyaDebnath.,SatishVemuri.,RatnakarKS.,LakshmiKiranChelluri.1082(G/A) single nucleotide polymorphism of the interleukin 10 promoter region as a potential biomarker in

- systemic lupus erythematosus (SLE) genetic susceptibility. The Journal of Clinical Rheumatology & Musculoskeletal Medicine. 2012; 3(2); 1-4.
29. SS Beevi & LK Chelluri. Understanding niche- A new paradigm in the success of UCBT. 2013. LAP Publishers, Germany
30. CE Prasad., Lakshmi Kiran Chelluri., Subhash Pawar., S Ram Reddy. Helicobacter pylori- Biology & Diseases. Book Chapter: Microbial Diversity; Exploring & Bioprospecting. 2012. Publishers: Scientific Publishers. Eds: S Ram Reddy., Girisham et al.,
31. Lakshmi Kiran Chelluri. Stem cells and extracellular matrices. Colloquium series on stemcell biology. Ed: Stem Cell Biology Series Editor; Wenbin Deng; Morgan and Claypool Publishers.2012; 1(1); 1-84.<https://www.ncbi.nlm.nih.gov/nlmcatalog/101588675>
32. Lakshmi Kiran Chelluri, Ravindranath K, Raju TN, Sathish Vemuri, Tanya Debnath, SyedSultan Beevi., Praveen Kumar., Ratnakar KS. Improved differentiation protocol of rat bone marrow precursors to functional islet like cells. Stem Cell Studies. 2011; Vol. (1):e5;36-41.
33. AllaGopalaKrishnaGokhale.,LakshmiKiranChelluri.,KumaresanK.,SubramanyamG.,Sudhakar K., Satish Vemuri., Tanya Debnath., Ratnakar KS. Evaluation of the ABM therapy and functional restoration in the scarred myocardium by imaging analysis- a case report.J.Cardiovascr.Dis.Res:2011; 2(2): 133-6.
34. Lakshmi Kiran Chelluri., Prasad CE., Preethi V., Alla GK Gokhale., Vasantha A., Ratnakar KS., Ravindranath K. Tumor necrosis factor (alpha) and Interferon-gamma in allogenic mixed cultures of haematopoietic and non-haematopoietic cell-cell interactions; TB a case study. Internet. Journal of Infectious Diseases. 2010;8(1).[IF-0.15]
35. Purushotham Reddy Koppula.,Lakshmi Kiran Chelluri., Naresh Polisetty., Geeta Vemuganti. Histocompatibility testing of cultivated Human Bone Marrow Stromal Cells – a promising step towards pre-clinical screening for allogeneic stem cell therapy. Cellular Immunology.2009; 259(1): 61-65.[IF-2.7]
36. Lakshmi Kiran Chelluri., Ravindranath K., Raju TN., Ratnakar KS., Satish Vemuri., Tanya Debnath. Differentiation and characterisation of marrow derived mesenchymal stem cells to islet like cells. Cytotherapy;2009;11;pp-21.[3.55]
37. Lakshmi Kiran Chelluri., Vasanta Adavi., Subbaiah GPV., Satish Vemuri., Ratnakar KS. Isolation, culture and characterisation of olfactory ensheathing cells. Cytotherapy;2009;11;pp- 20.[3.55]
38. N K Nalla, C E Prasad, V Gopalakrishniah, V L Somayajulu, Lakshmi K Chelluri. Adenosine deaminase isoenzymes estimation – as a diagnostic tool for tuberculous effusions. Asian Pacific Journal of Tropical Medicine. 2009; 2(5): 61-65.[IF-0.50]
39. Subbiah GPVS., Vasantha Adavi., Lakshmi K Chelluri., Sai Laxman., K S Ratnakar., PBN Gopal., Ravindranath K. Preliminary report on the safety, efficacy and functional recovery of spinal cord injury with autologous bone marrow derived mesenchymal stem cells – a clinical trial. Internet Journal of Spine Surgery. 2009 ;5 (1).

40. Lakshmi Kiran Chelluri., Vasantha Adavi., Ratnakar KS. Single centre experience on the impact of ethnicity, donor status on the renal allograft survival. Saudi Journal of Kidney Diseases and Transplantation. 2009; 20(6); 995-997. [IF –0.83]
41. Lakshmi Kiran Chelluri., CE Prasad., Murthy K J R., Ratnakar KS. Tuberculosis treatment – new approach to an old problem. Asian Pacific Journal of Tropical Medicine. 2009; 2(1); 1-6.[IF-0.50]
42. Namita Gupta., Lakshmi Kiran Chelluri., Vasantha Adavi., Ratnakar KS., Ravindranath RhAntigen expression during erythropoiesis: comparison of cord and adult derived CD34+ cells .Asian Journal of Transfusion Science. 2008; 2(2);69-80
43. Lakshmi Kiran Chelluri., Vasantha Adavi., Subbaiah GPV., Ratnakar KS., Ravindranath K. Down regulation of MHC-II expression in serial passages of bone marrow derived stromal cells for cell based therapy. Current Trends in Biotechnology & Pharmacy.2008; Vol. 3 (1) 305-315.[IF-0.2]
44. Lakshmi Kiran Chelluri., Ratnakar KS., Ravindranath K. Retrospective analysis of T & B Flowcrossmatches in renal transplantation. Saudi J Kidney Dis Transpl 2008; 19:571-3. [IF-0.83]
45. Harika K Reddy., Namita Gupta., Lakshmi Kiran Chelluri., Vasantha A., Ratnakar KS., Ravindranath K., Reversal of PCR inhibition by BSA in clinical diagnostics. ICFAI Journal of Science & Technology:2008; 4, (1);7-16.
46. Kaparathi PLN., Namita Gupta., Lakshmi Kiran Chelluri., Vasantha Adavi., Surya Prakash Rao V., Ratnakar KS., Ravindranath K. Autologous bone marrow mononuclear cell delivery to dilated cardiomyopathy patients: A clinical trial. African Journal of Biotechnology; 2008; 7(3); 207-210. [IF-0.63]
47. Lakshmi Kiran Chelluri., K.S.Ratnakar., Namita Gupta., Vasantha A. Immune activation markers in cadaver limbal tissue and ex-vivo expanded limbal epithelium. Bahrain Medical Bulletin.2007; 29(4); 119-122.[IF-0.03]
48. K.J.R.Murthy. A.Lakshmi Kiran. A.Yazdani. Use of oral salbutamol in improving quality sputum microscopy in the DOTS strategy. International Journal of Tuberculosis and Lung Disease, 2000; 4(12); 1191. [IF2.73]
49. Lakshmi Kiran A., Murthy KJR. Magnitude of the problem. Monograph – update on tuberculosis and diabetes mellitus. International Journal of Diabetes in Developing Countries, 1999; 19; 49-51[IF-0.28]

## **National**

1. Sailaja Kesiraju, Lakshmi Kiran Chelluri, Sumanlatha Gaddam, Vijayalakshmi Valluri, Sahariah

- Sarbeswar. Assessment of renal function and acute rejection using Cystatin C and Kidney injury molecule-1 in renal transplant recipients. *Indian Journal of Transplantation*. 2018; 12 (1);53-58.
2. Eswara Prasad Chelluri., Lakshmi Kiran Chelluri., Subhash Pawar., Tanya Debnath., S.Ram Reddy. IL-10 polymorphisms in inflammatory and infectious respiratory diseases with sero- positive H.pylori. *Indian Journal of Research & Reports in Medical Sciences*. 2013;3(4);5-10
  3. Lakshmi Kiran Chelluri. Stem Cells and Tuberculosis: Letter to the Editor, *Indian Journal of Tuberculosis*.2012; 59; 177. (IF-0.7)
  4. LakshmiKiranChelluri.,RatnakarKS.Celldeliverybynanocarriersinregenerativemedicine.Manual on Regenerative Medicine. Meenakshi Medical College & Research Institute. Kancheepuram.2008 March;23-28.
  5. A. Yazdani, Lakshmi Kiran A., Murthy KJR. Sputum induction by oral salbutamol. *Indian Journal of Tuberculosis* .2002, 49, 221-223.[IF-0.6]
  6. SumanlathaG.,LakshmiKiranA.,VijayalakshmiV.,SurekhaRaniH.,MurthyKJR.Immunoblot response in patients allergic to gynandropsis gynandra. *Indian Journal of Allergy and Applied Immunology*, 2000, Jul-Dec; 14(2);53-9
  7. Lakshmi Kiran A., Sahariah S., Murthy KJR.A critical study on histocompatibility testing by serology, MLR, genotyping in renal transplantation- a single centre experience. *Nephron* 2000, 84(1); 79-80[IF-2.16]
  8. Sumanlatha G., Vijayalakshmi V., Lakshmi Kiran A., Surekha Rani H., Nagalakshmi Y., MurthyKJR.Late phase cutaneous reaction as a parameter to evaluate immunotherapy. *Lung India* 2000, 17 (4); 112-114.[IF-0.86]
  9. LakshmiKiranA.,VijayalakshmiV.,SahariahS.,ReddyPP.,NagalakshmiY.,MurthyKJR.Relevanceof histocompatibility testing in renal transplantation – A prospective study. *Indian Journal of Nephrology*, 1999; 74-79.[IF-0.45]
  10. Lakshmi Kiran A., Sahariah S. Spousal renal transplantation. *Indian Journal of Nephrology*.1999; 9(2); pp.53[IF-0.45]
  - 15 Lakshmi Kiran A., Vijayalakshmi V., Sumanlatha G., Usha Sharma P, Prasad CE and Murthy KJR.Serum immunoglobulin – G *Aspergillus fumigates* as a diagnostic parameter for Allergic broncho-pulmonary *Aspergillus* - A Preliminary Report. *Lung India* (1998), XVI, No 1(p-17- 20)[IF-0.22]
  16. Surekha Rani H., Vijayalakshmi V., Sunil Kumar, Lakshmi Kiran A., Sumanlatha G., Murthy KJR.Cell mediated immunity in children with scar- failure following BCG vaccination. *Indian Paediatrics*, 1998, Vol 35,123-127 [IF-0.9]
  17. Lakshmi Kiran A., Vijayalakshmi V., Sahariah S., Reddy PP., Murthy KJR. The influence of pre-transplant blood transfusion on renal graft survival. *Indian Journal of Nephrology*, 1998, Vol 8.no 1: 7-11[IF-0.45]
  18. ViajayalakshmiV.,LakshmiKiranA.,SurekhaRaniH.,NagalakshmiY.,MurthyKJR.Latephase

cutaneous reaction as a parameter to evaluate immunotherapy. Lung India, 1997;17 (4);112-114

19. Lakshmi Kiran A., Vijayalakshmi V., Sahariah S., Murthy KJR. Cross-matching consideration for renal transplantation. Journal of the Association of Physicians of India, 1996, 44,521-524[IF-0.59]
20. Vijayalakshmi V., Murthy KJR. Sunil Kumar, Lakshmi Kiran A. Comparison of immuneresponses of children vaccinated with three strains of BCG Vaccine. Indian Paediatrics 1994, 32; 979- 982.[IF-0.9]
21. Vijayalakshmi V., Sunil Kumar, Lakshmi Kiran A., Surekha Rani H., Murthy KJR. Optimum age of a child for BCG Vaccination. Indian Paediatrics, 1994, Vol 31,1497-1501.[IF-0.9]

#### **SUPPLEMENTARY ARTICLES -International**

1. Chandrasekhar Mallarpu., Meenakshi Ponnana., Sudhir Prasad., Lakshmi kiran Chelluri et al., Prognostic value of autophagy markers in sepsis-a clinical report, The journal of Immunology; 2020; Suppl 1; 225;pp 22.
2. Charitha Madiraju, Chandra Shekar Mallarpu, Sudhir Prasad, Maneendra Singarapu, MeenakshiPonnana,TanyaDebnath,JeanKim,NedaHaririparsa,NemanjaBratic,Harvinder Brar,LakshmiKiran Chelluri. Distinct cell death mechanisms in critical care patients diagnosed with sepsis. Critical Care Medicine, 2019, 47 (1),769.
3. Bollapally K., Sudhir Prasad., Lakshmi Kiran Chelluri et al., A review on pearls and pitfalls of autologous MSC's in ESLD; longitudinal assessment of health related complications. Value of health;2019;22;S47.
4. CharithaMadiraju,ChandraShekarMallarpu,SudhirPrasad,ManeendraSingarapu,JeanH. Kim, Neda Haririparsa, Nemanja Bratic, Harvinder Brar, John R. Cashman and Lakshmi Kiran Chelluri. Cell death markers in sepsis.J Immunol, 2018, 200 (1 Suppl.)166.33.
5. Subash P., Ram Reddy S., Lakshmi Kiran Chelluri., Eswara Prasad Chelluri. Detection of Helicobacter pylori infection in patients with obstructive airway diseases with sero techniques using highly specific IgG antibodies for Helicobacter pylori antigen. Asian Pacific Journal of Tropical Disease. 2014; 4(Suppl): S366-S372. [IF 2.29]
6. Beevi SS., VK Verma., LK Chelluri., K Lakshmi., T Debnath., PU Shalini., R Kancherla., R.Kamaraju. Dual Labeling Strategy of SPION for optical & MRI imaging of stem cell trafficking. Cytotherapy, 2013; 15(4): Suppl.Pg.S48. [IF3.8]
7. T Debnath., LK Chelluri., SS Beevi., VK Verma., PU Shalini., K Lakshmi., K S Ratnakar., K Ravindranath. An approach towards the proliferation and differentiation of stem cells onChitosan based soluble polymer. Cytotherapy, 2013; 15(4): Suppl.Pg.S43. [IF3.8]
8. Lakshmi Kiran A., Vijayalakshmi V., Sahariah S., Reddy PP., Murthy KJR Histocompatibility testing by serology, cellular and genotyping in renal transplantation. The Immunologist, 1998, Supplement 1.pp.214 [IF – 3.28]

#### **PAPER PRESENTATIONS**

## **International**

1. Lakshmi Kiran Chelluri., Parul Garg., Tanya debnath., Syed Sultan Beevi., Vinod K Verma., Neha Hebalkar. Feasibility of biopolymer encapsulation by Layer by Layer (LbL) technology. 4th Annual Symposium of Singapore Stem Cell Society. 6-7th September, 2012 Lakshmi Kiran A., Vijayalakshmi V., Sahariah S., Reddy PP., Murthy KJR (1997).
2. Lakshmi Kiran Chelluri., Tanya Debnath., Usha Shalini., Subbaiah GPV., Alla GK Gokhale., Ravindranath K., Ratnakar KS. Optimisation strategies of stem cell niche using synthetic biopolymers and hydrogels for tissue engineering. 17<sup>th</sup> Annual Meet of ISCT at Seattle, June 2012.
3. Alla GK Gokhale., Lakshmi Kiran Chelluri., Kumaresan K., Subramanyam G., Sudhakar K., Satish Vemuri., Tanya Debnath., Ratnakar KS Evaluation of the autologous bone marrow derived mononuclear cell therapy in the infarcted myocardium by imaging analysis – a case report. Indo-US Workshop on Molecular Imaging in Health, Disease and Drug Discovery at CCMB, Nov-8-10<sup>th</sup>, 2010.
4. Lakshmi Kiran Chelluri., Prasad C E., Preethi Vennela., Alla GK Gokhale., Ratnakar KS., Ravindranath K. Preliminary report on the immunomodulation of mesenchymal stem cells in patients with tuberculosis infection. 14<sup>th</sup> Annual Meet of ISCT at Philadelphia, PA, May 2010.
5. Lakshmi Kiran Chelluri., Vasantha Adavi., Subbaiah GPV., et al. Isolation, Culture and Characterisation of Olfactory Ensheathing Cells. 13<sup>th</sup> Annual Meet of ISCT at San Diego, CA. May 2<sup>nd</sup> to May 6<sup>th</sup>. 2009.
6. Geeta K. Vemuganti., Anees Fatima, Soundary Madhira, Naresh Polisetty Lakshmi Kiran Chelluri, Virender S. Sangwan. (2007). Mesenchymal stem like properties of limbal stromal cells of human eye. Fifth ISSCR annual meeting at Cairns, Australia.
7. Geeta K. Vemuganti., Lakshmi Kiran Chelluri, Purushotham Reddy Koppula., Naresh Polisetty Histocompatibility testing for immunogenic potential of cultivated human bone marrow stromal cells. Fourth ISSCR annual meeting at Ontario, Canada.
8. Lakshmi Kiran A., Vijayalakshmi V., Sahariah S., Reddy PP., Murthy KJR (1997). Correlation of histocompatibility testing by MLR and serology in renal transplantation. Annual Scientific Meeting of ASEATTA meet held at ARCBS-NSW Blood Bank, Sydney, Australia.

## **National**

1. Usha Shalini Potlapuvu, Vidya Sagar JVS, Shwenitha Josyula, Tanya Debnath, Gaura Banerjee,

Sathish Vemuri, Ratnakar KS, Lakshmi Kiran Chelluri. A study on the FoxP3+CD4+CD25+ Tregs regulation in the peripheral blood and the synovial fluid of the rheumatoid arthritis patients. 5<sup>th</sup> FIMSA and IIS Annual meeting held at AIIMS, N.Delhi.2012.

2. Tanya D., Satish V., Lakshmi Kiran Chelluri., Ratnakar KS., Ravindrananth K., Dharmesh Kapoor, K.S.Nayak. Detection of SNPs in IL-10 promoter as a diagnostic marker in SLE patients. November 2010.
3. Lakshmi Kiran Chelluri., Ravindranath K., T N Raju., et al. Differentiation and characterisation of marrow derived mesenchymal stem cells to islet like cells. Annual Meet of ISCB, November,2010.
4. Lakshmi Kiran A., Sangwan VS., Geeta K Vemuganti., Anees FatimaAR.(2006) Immunoregulatory markers in Limbal Stem cell Transplantation – Preliminary studies. IERG, Annual Meeting held at LV Prasad Eye Institute, Hyderabad, India.
5. Lakshmi Kiran A., Vijayalakshmi V., Reddy PP., Sahariah S., Murthy KJR (1998). Non-specific multiple transfusions in the immunological risk assessment in renal transplantation. Annual Conference of EMSI held at Mysore,India.
6. Lakshmi Kiran A., Reddy PP., Vijayalakshmi V., Sahariah S.,Murthy KJR(1998). Clinical and genetic epidemiology in end stage renal disease. DAE Symposium held at Madras, India.
7. Lakshmi Kiran A., Vijayalakshmi V., Sahariah S., Reddy PP., Murthy KJR(1998) A study on histocompatibility testing by serology, MLR, genotyping in renal transplantation. Annual Scientific Meeting of ASEATTA meet held in AIIMS, New Delhi, India.
8. Sumanlatha G., Vijayalakshmi V., Lakshmi Kiran A., Surekha Rani H., Murthy KJR.(1998).
9. A study on induction of blocking antibodies after hypo-sensitisation with gynandropsis gynandra pollen. Annual International Congress on Immunology held at Pragati maidan, New Delhi, India.
10. Surekha Rani H., Vijayalakshmi V., Sumanlatha G., Lakshmi Kiran A., Murthy KJR. (1998). Humoral and cell mediated immune response with culture filtrate proteins of M.bovis BCG in children. Annual international congress on Immunology held at Pragati Maidan, New Delhi, India
11. Nagalakshmi Y., Vijayalakshmi V., Lakshmi Kiran A., Surekha Rani H., Sumanlatha G., Murthy KJR. (1998). Initial report on the CMI responses between tuberculosis and multi-drug resistant tuberculosis (MDR-TB) patients. Annual international congress on Immunology held at Pragati Maidan, New Delhi, India.
12. Sumanlatha G., Vijayalakshmi V., Lakshmi Kiran A., Surekha Rani H., Murthy KJR (1997). Identification of immunodominant proteins from gynandropsis gynandra (pollen) by immunoblot. XXIV<sup>th</sup> annual conference of Indian Immunology Society and Symposium on Immuno modulation in health and diseases held at Calcutta, India.
13. Surekha Rani H., Sumanlatha G., Vijayalakshmi V., Lakshmi Kiran A., Murthy KJR(1997). The humoral immune response an immunoblot study using culture filtrate proteins of M. bovis BCG. XXIV<sup>th</sup> annual conference of Indian Immunology Society and Symposium on Immuno modulation



in health & diseases held at Calcutta, India.

14. Sumanlatha G., Vijayalakshmi V., Lakshmi Kiran A., Surekha Rani H., Murthy KJR (1997). A profile of pollen allergen sensitivity in patients with extrinsic atopic asthma. IX<sup>th</sup> National conference on Aerobiology, held at Hyderabad, India.
15. Sumanlatha G., Vijayalakshmi V., Lakshmi Kiran A., Surekha Rani H., Murthy KJR (1997).
16. A profile on fungal allergy in Andhra Pradesh. National symposium on MYCOSES, CBT New Delhi, India.
17. Lakshmi Kiran A., Vijayalakshmi V., Sahariah S., Murthy KJR., (1997). Influence of allogeneic cells in immune modulation of renal graft. IX<sup>th</sup> annual conference of Indian Society of Organ Transplantation, Madras, India.
18. Lakshmi Kiran A., Vijayalakshmi V., Usha Sharma P., Prasad CE., Murthy KJR. (1997).
19. Serum IgG-Afasa diagnostic parameter for ABPA. National symposium on MYCOSES, CBT New Delhi, India.
20. Lakshmi Kiran A., Vijayalakshmi V., Ratnakar KS, Sahariah S., Murthy KJR (1995). The effect of pre-transplant blood transfusions in renal graft survival. Annual conference of Indian Immunology Society held at JNU, New Delhi, India.
21. Sunil Kumar., Vijayalakshmi V., Lakshmi Kiran A., Surekha Rani H., Murthy KJR. (1994). Influence of maternally transmitted anti-mycobacterial antibodies on protective immune response to BCG in the newborn. VII<sup>th</sup> Annual conference of Indian Society of Human Genetics held at Hyderabad, India.
22. Lakshmi Kiran A., Vijayalakshmi V., Murthy KJR., Sahariah S., (1994). Cross-matching consideration in renal transplantation. VII<sup>th</sup> Annual conference of Indian Society of Organ Transplantation, held at Hyderabad, India.
23. Surekha H., Vijayalakshmi V., Sunil Kumar., Lakshmi Kiran A., Murthy KJR. (1994). The implication of presence or absence of BCG scars in vaccinated children. XXI<sup>st</sup> .A.P Tuberculosis and Chest Diseases Conference held at Tirupati, India.
24. Sunil Kumar., Vijayalakshmi V., Lakshmi Kiran A., Surekha Rani H., Murthy KJR. (1994).
25. A follow up study of 7 years after BCG vaccination. XXI<sup>st</sup> .A.P Tuberculosis and Chest Diseases Conference held at Tirupati, India.
26. Lakshmi Kiran A., Vijayalakshmi V., Murthy KJR., Sunil Kumar., Surekha Rani H. (1994).
27. A clinical profile of allergic broncho-pulmonary aspergillosis. XXI<sup>st</sup> .A.P Tuberculosis and Chest Diseases Conference held at Tirupati, India.
28. Sunil Kumar., Vijayalakshmi V., Lakshmi Kiran A., Murthy KJR. (1993). Comparison of the cell mediated response and humoral responses in cord blood, unvaccinated and BCG vaccinated children. XX<sup>th</sup> A.P. Tuberculosis and Chest Diseases Conference held at Kurnool Medical College, India.
29. Lakshmi Kiran A., Vijayalakshmi V., Murthy KJR., Sunil Kumar (1993). Immune responses of BCG

vaccinated children - A follow up study. XX<sup>th</sup> A.P. Tuberculosis and Chest Diseases Conference held at Kurnool Medical College, India.

30. Lakshmi Kiran A., Vijayalakshmi V., MurthyKJR. SunilKumar. Effect of hypo-sensitisation based on skin tests, symptoms score, drug scores, IgE levels in atopics, (1993). XIX Annual conference of Indian Immunology Society and symposium on Allergy and Autoimmune Diseases held at IISc Bangalore, India.

### **Book Chapters**

1. Meenakshi Ponnana., Lakshmi Kiran Chelluri. Essentials of Clinical and Transplant Immunology. Text book chapter in Interpreting and Evaluating Common Laboratory Investigations published by Indian College of Physicians & Association of Physicians of India.2019; 159-172.
2. Meenakshi Ponnana., Lakshmi Kiran Chelluri. Magnetic nanoparticles for drug delivery. CRC Press Text book of Nanoparticulate Drug Delivery Systems. Editors; Raj Keservani & Anil Sharma. 2018.
3. Yamuna Mohanram., Lakshmi Kiran Chelluri. Nano-Oncotargets and Innovative Therapies. Book Chapter. Drug Delivery Approaches & Nanodelivery Systems. Drug targeting aspects of nanotechnology; Volume 2. Edited by Raj Keservani, Anil K Sharma, Rajesh K Keshewani. AAP & CRC Press. 2017.
4. CE Prasad., Lakshmi Kiran Chelluri., Subhash Pawar., S Ram Reddy. Helicobacter pylori-Biology & Diseases. Book Chapter: Microbial Diversity; Exploring & Bioprospecting. 2012. Publishers: Scientific Publishers.

### **CME Lectures**

1. HLA & Transplantation. 21<sup>st</sup> Jan, 2016. NIT,Warangal. SIRPA and KDRas Key Regulatory MarkersinCardiac Specific Precursor Selection from hADSCs. CME conducted by the OU Genetics/Bio-technology Centenary celebrations.2017.
2. Stem Cells in Clinical management. 11<sup>th</sup> Jan, 2016, BITS Pilani, HyderabadCampus.
3. Trending Technologies in Biology & Medicine. 27<sup>th</sup> August, 2015.KLUiversity. Stem cell therapy in cardiovascular diseases. CSI, WCC, Apollo Health City, Hyderabad. June 21st, 2015.
4. Progress, Promise and Future of Dental Pulp Stem Cells. MNR Dental Medical College,25<sup>th</sup> September, 2012.
5. Clinical Grade Mesenchymal Stem Cells; Quality considerations in process and product development. Pt. J H N Medical College, Raipur, 25<sup>th</sup> July,2012.
6. Stem cell therapy in spinal cord injury. Cell therapy symposium and workshop onconfocal microscopy. Pt. J H N Medical College, Raipur, 25<sup>th</sup> July,2011

7. Use of mesenchymal stem cells to repair tissue injury. 10<sup>th</sup> Biennial Meeting of ICRB-NISSRO, Indo-US meet at SRMC, Chennai, Nov 15-17,2010.
8. Basics of Stem Cell Science for Clinicians. 38<sup>th</sup> Annual meet of AP-APICON,Hyderabad, August 7th-8<sup>th</sup>.2010.
9. Viral vectors as new generation transporters in the generation of inducible pluripotent stemcells [iPS].Microbiology Department, Kakatiya University, March2010
10. Applications of adult stem cell therapy. BHEL, Hospital, Hyderabad. January2009.
11. InVivoImagingSolutionsforStemCellApplications.ZoologyDepartment,OsmaniaUniversity Hyderabad, March2010.
12. The impact of Histocompatibility testing on allograft survival. Current trends in transplant biology- implications in cadaver donor transplantation. Global hospitals. Hyderabad. 16<sup>th</sup>Feb.2008.
13. Solid organ transplantation- solid reasons for better survival. Twin City PathologistsMeeting.Global Hospitals. 24<sup>th</sup>Oct,2008.Clinical Proteomics in Clinical Diagnostics at AICBA, Hyderabad on October 13<sup>th</sup>,2006