



## VISION RESEARCH FOUNDATION

August 23, 2013

The Members of the Vision Research Foundation

### **NOTICE**

NOTICE IS HEREBY GIVEN TO THE MEMBERS OF THE VISION RESEARCH FOUNDATION THAT THE 29<sup>th</sup> ANNUAL GENERAL MEETING OF VISION RESEARCH FOUNDATION WILL BE HELD ON, SATURDAY THE 28<sup>th</sup> SEPTEMBER 2013 AT 5.00 P.M. AT THE VRF BOARD ROOM IN THE 2<sup>ND</sup> FLOOR OF KAMALNAYAN BAJAJ RESEARCH CENTRE, VISION RESEARCH FOUNDATION, NO.41/18, COLLEGE ROAD, CHENNAI – 600 006. THE AGENDA FOR THE MEETING IS GIVEN BELOW:

### **AGENDA**

1. To consider and adopt the Annual Report of the Hon. Secretary for the year 2012-13.
2. To consider and adopt the Audited Income and Expenditure Account for the year ended March 31, 2013 and the Balance Sheet as at that date together with the Report of the Auditors thereon.
3. To appoint statutory auditors for the financial year 2013–14 and to fix their remuneration.
4. To appoint the following Member to the Board of Management in the vacancy caused by his retirement, who is eligible for re-appointment.

<b>Name</b>	<b>Category of Membership</b>
Dr. T S Surendran	Honorary Member

Kindly make it convenient to attend the meeting.

**DR TARUN SHARMA**  
**HONY. SECRETARY**

Note:

Explanatory statement for Item 4 of the Agenda is attached.



## VISION RESEARCH FOUNDATION

### **Explanatory Statement**

Refer Item No 4 of the Agenda

The following member was appointed to the Board of Management for a period of three years at the 26<sup>th</sup> Annual General Meeting held on 26<sup>th</sup> August 2010 :-

#### **Name**

Dr. T S Surendran

His term of appointment expires at the end of the Annual General Meeting on 28.09.2013. As per 16(xiv) of the Bye-laws of the Foundation read with Section 15 (5) of the Tamil Nadu Societies Registration Act 1975, he is eligible for reappointment to the Board of Management.



## VISION RESEARCH FOUNDATION

### **BOARD OF MANAGEMENT**

Mr. R Rajagopal	President
Dr Tarun Sharma	Honorary Secretary
Mr. R S Falor	Honorary Treasurer

### **Members of the Board**

Dr S S Badrinath	Member
Dr S Baskaran	Member
Dr J Biswas	Member
Mr Homi C H Bhabha	Member
Dr Lingam Gopal	Member
Dr. H N Madhavan	Member
Dr T S Surendran	Member
Dr M S Swaminathan	Member
Mr V Vaidyanathan	Member
Dr S B Vasanthi	Member
Dr L Vijaya	Member
Dr. Rama Rajaram	Advisor
Dr. Ronnie Jacob George	Director – Research
Dr. S Krishnakumar	Deputy Director – Research

### **Administrative Committee**

Dr. S. S. Badrinath (Chairman of Committee)  
Mr. G. Ramachandran  
Mr. Sugal Chand Jain  
Mr. R. Rajagopal  
Mr. R. S. Falor  
Dr. Tarun Sharma  
Dr. S. Bhaskaran  
Dr. T. S. Surendran  
Dr. Pramod Bhende  
Dr. K. S. Vasan (and in his absence Ms. Akila)

Chief Operating Officer	Dr. K. S. Vasan
Senior General Manager	Mrs. Akila Ganesan
Deputy General Manager	Mrs. G Susila
Manager	Mr S Narayan

Auditors	M/s S Viswanathan Chartered Accountants, Chennai
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Bankers	HDFC Bank, Chennai – 600 034 State Bank of India, Chennai –600 034 Indian Overseas Bank, Chennai – 600 006
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Registered Office	New No.41, Old No.18, College Road Chennai – 600 006
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## VISION RESEARCH FOUNDATION

### **ETHICS SUB-COMMITTEE MEMBERS**

Justice Mohan S.  
Dr. Tarun Sharma  
Dr. T Santha Devi  
Dr. K. P. Misra  
Dr. Bakulesh M. Khamar  
Dr. Manjula Dutta  
Dr. Ronnie Jacob George  
Prof. H N Madhavan  
Dr. S Krishnakumar  
Dr. Lingam Gopal  
Dr. T S Surendran  
Prof. N Vizheenathan  
Mrs. Radhika Krishnan  
Lion G V Raman  
Dr. Rama Shankar Verma  
Mrs. Sujatha Viswanath

### **RESEARCH SUB-COMMITTEE MEMBERS**

Dr. Ronnie Jacob George  
Dr. Lingam Gopal  
Dr. Tarun Sharma  
Dr. J. Biswas  
Dr. S Krishnakumar  
Dr. T. Rajkumar  
Dr. T Santha Devi  
Prof. H N Madhavan  
Dr. Rama Shankar Verma

### **RESEARCH CELL COMMITTEE MEMBERS**

Dr. Ronnie Jacob George  
Dr. Lingam Gopal  
Dr. Tarun Sharma  
Dr. H N Madhavan  
Dr. L Vijaya  
Dr. S Krishnakumar  
Dr. Sumita Agarkar  
Dr. K N Sulochana  
Dr. J Biswas  
Dr. R R Sudhir  
Dr. Vikas Khetan  
Dr. Kalpathy R K Easwaran  
Dr. Prema Padmanabhan



## VISION RESEARCH FOUNDATION

### **STEM CELL RESEARCH ETHIC SUB COMMITTEE**

Hon. Justice Mohan S  
Dr. Manjula Dutta  
Dr. Lingam Gopal  
Dr. Tarun Sharma  
Dr. H.N. Madhavan  
Mrs. Radhika Krishnan  
Dr. S Arumugam  
Prof. N. Vizheenathan  
Dr. Rama Shankar Varma  
Lion G V Raman

### **INSTITUTIONAL BIOLOGICAL SAFETY COMMITTEE**

Dr. H.N. Madhavan  
Dr. Gunasekar  
Dr. M Natarajan  
Mr. S Narayan  
Dr. S Krishnakumar



## VISION RESEARCH FOUNDATION

### ANNUAL REPORT FOR THE YEAR 2012–13

#### Report of the Honorary Secretary to the Members of the Foundation

It gives me great pleasure to welcome you all to this 29<sup>th</sup> Annual General Meeting of our Foundation. I am pleased to present the Twenty Ninth Annual report of the Vision Research Foundation. The twenty eighth Annual General Meeting of the Foundation was held on 27<sup>th</sup> September 2012 in which the Annual Report and the Audited Accounts of the Foundation for the financial year ended 31<sup>st</sup> March 2012 were approved by the members and M/s. S Viswanathan, Chartered Accountants, were re-appointed as Auditors for the financial year 2012-13.

The donations received during the year under report were Rs.518.04 lakhs as compared to Rs.574.81 lakhs in the previous year. The gross total income for the year under review was Rs.1184.89 lakhs including research grants and interest on deposits. The total expenditure before providing depreciation was Rs. 842.20 Lakhs resulting in a cash surplus of Rs.342.69 lakhs. After considering depreciation for the year, there was a net surplus of Rs.125.37 lakhs, which was carried over to the capital fund account.

Summary of Source and applications are as follows:

<b>Sources</b>	<b>Rupees in Lakhs</b>
1. Cash Surplus	342.69
2. Condemned Assets written off	8.47
3. Transfer to Endowment Fund A/c	10.00
4. Decrease in Net Current Assets	97.57
	<hr/> <b>458.73</b> <hr/>
<b>Applications of Funds</b>	
1. Increase in Fixed Assets	458.73
	<hr/> <b>458.73</b> <hr/>



## VISION RESEARCH FOUNDATION

The foundation has received a sum of Rs.581.59 lakhs as research grants and Rs.28.62 lakhs as project grants during the year under review as per the details given below

	<b>Rs. in Lakhs</b>	
	<b>2012-13</b>	<b>2011-12</b>
<b>Research Grants – Basic Science</b>		
1. Council of Science & Industrial Research	27.80	27.09
2. Indian Council of Medical Research	165.30	145.17
3. Department of Biotechnology	247.83	113.37
4. Department of Science & Technology	61.34	41.13
5. Department of Atomic Energy	15.81	16.97
6. Life Sciences Research Board	14.51	2.56
7. National Programme on Micro & Smart Systems	6.78	.00
8. Sumatichandra Mehta Charitable Trust	2.47	2.44
9. Cheet Foundation	2.43	3.63
<b>Total</b>	<b>544.27</b>	<b>352.36</b>
<b>Clinical Science</b>		
10. Kendle India Pvt. Ltd	.00	7.36
11. Allergan Pharmaceuticals Dev. Center (I) P. Ltd	2.69	5.26
12. Allergan India Pvt Ltd	.00	1.60
13. Excel Life Sciences Pvt Ltd.	3.86	.00
14. Others	0.73	55.09
15. National Childhood Cancer Foundation	0.36	0.27
16. Alcon Laboratories India Pvt. Ltd	.00	1.13
17. Novartis India Ltd	2.19	20.89
18. GVK Biosciences Pvt Ltd	1.36	.00
19. Johnson & Johnson	26.13	56.75
20. World Health Organization	.00	0.66
<b>Total</b>	<b>37.32</b>	<b>149.01</b>
<b>Project Grants</b>		
21. World Diabetes Foundation	.00	2.30
22. Chennai Willingdon Corporate Foundation	28.62	19.55
<b>Total</b>	<b>28.62</b>	<b>21.85</b>
<b>Grand Total</b>	<b>610.21</b>	<b>523.22</b>



## VISION RESEARCH FOUNDATION

### Research Activities:

Research activities during the financial year were satisfying and encouraging. A large number of projects were submitted to the Department of Science and Technology, Department of Bio-Technology, Council of Scientific and Industrial Research and Indian Council of Medical Research.

The projects which were under consideration by these Govt. agencies as on date are as under:

Title of the Project	Funding Agency	Grant Amount for 2013-14 (Value in Rs.)
Regulation of LOX expression in Lens epithelial cells and trabecular endothelium (P.I: Dr. N Angayarkanni; Dr. K Coral)	Indian Council of Medical Research	
Development of anti-fibrotic agents for potential use in the glaucoma filtration surgery to prevent scar formation in cultured human scleral chondrocytes and tenons fibroblast (P.I : Dr. K Coral; Dr. B Shantha)	Indian Council of Medical Research	
Molecular modeling and Docking simulation studies of functional domains of <i>T. gondii</i> RON-4, RON-2, and RON5 to understand the Moving Junction complex formation towards design of novel Peptide and Chemical inhibitors and validation through pilot <i>in vitro</i> studies (P.I.: Dr. V Uma Shankar)	Dept. of Biotechnology	16,56,800.00
Design and development of novel Anti-Angiogenic molecules by targeting polysaccharide binding domain of Carbonic Anhydrase IX through structural bioinformatics methods and studies on cell culture models (P.I.: Dr. V Uma Shankar)	Indian Council of Medical Research	27,97,000.00
Study on peptide Nanoparticles for the drug delivery to the posterior segment of the eye DST-Nanomission	Dept. of Science & Technology	59,03,040.00
Retinoblastoma detection and therapy using Raman Spectroscopy	Dept. of Science & Technology	5,62,00,000.00
Fabrication of CD24 aptamer to targeting cancer stem cell in Retinoblastoma	Dept. of Science & Technology	3.2 crores
To study the biology of corneal epithelial cells differentiated from human bone marrow derived mesenchymal stem cells.	Dept. of Biotechnology	76,69,800.00
To bioengineer corneal epithelial cells from dental pulp cells and to study the signaling pathways involved in differentiation	Indian Council of Medical Research	40,32,750.00
To identify the proteins deregulated in corneal stem cell damage in diabetes mellitus and to fabricate a microfluidic sensor to diagnose early corneal stem cell damage.	Indian Council of Medical Research	Rs. 1.4 crore
Investigating the cytokine profile in HIV1 Tat associated inflammation in retinal cells and its regulation by endocannabinoids.	Dept. of Science & Technology	20,00,000.00





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To understand the EpCAM oncogenic signaling in Retinoblastoma	Dept. of Biotechnology	68,00,000.00
MicroRNA Profiling in optic neuritis and multiple sclerosis	Indian Council of Medical Research	40,00,000.00
Identification of SNP variants modifying the response to intraocular pressure lowering drugs in ocular hypertensive and primary open angle glaucoma patients in Indian population	Indian Council of Medical Research	37,69,990.00
Intervention of ciliopathy genes in the molecular pathology of BBS in Indian population	Indian Council of Medical Research	47,61,000.00
Identification of the susceptible loci for primary angle closure glaucoma by high throughput homozygosity mapping approach in autosomal recessive families from south India	American Health Assistance Foundation	55,00,000.00
Biomarker discovery in Glaucoma: Genomic, Proteomic and Metabolite approach	Dept. of Science & Technology	3,15,00,000.00
Protein therapeutic approach for the treatment of Retinoschisis	FFB, USA	1,53,23,825.00
Genetic and Epigenomic profiling to unravel the molecular causes of Diabetic Retinopathy (DR)	Populus Awards, USA	95,00,000.00
Diagnostic Value Of Antibodies To Aquaporin 4 (Aqp4) In Indian Patients With Server Optic Neuritis (ON)	Indian Council of Medical Research	43,95,516.00
Molecular modeling and Docking simulation studies of functional domains of Toxoplasma.gondii RON-4, RON-2, and RON5 to understand the Moving Junction complex formation towards design of novel Peptide and Chemical inhibitors and validation through pilot invitro studies	Dept. of Biotechnology	16,79,000.00
Construction of a microarray for detection of biomarkers (virulence factors and the cytokine profile) expressed in infectious endophthalmitis	Dept. of Biotechnology	18,18,600.00
Establishment of HCV genotype 3a cell culture system and study of liver steatosis associated with HCV genotype 3a. (P.I.: Dr. J. Malathi)	Dept. of Biotechnology	27,92,400.00
A Genetic fingerprinting based study to understand the association between strain variations and diseases caused by varied Leptospira interrogans serovars. (P.I.: Dr. J. Malathi)	Indian Council of Medical Research	27,42,400.00
Utility of CXC motif chemokine-10 (IP-10) as a biomarker for the early detection of Leptospirosis in humans. (P.I.: Dr. J. Malathi)	Indian Council of Medical Research	18,42,400.00
Effect of riboflavin / UVA in treating patients with infectious keratitis: A pilot study on human subjects. (P.I.: Dr. J. Malathi)	Indian Council of Medical Research	15,95,000.00



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Effect of different concentrations of lignocaine on the fibroblasts growth : An in-vitro study. Dr. J. Malathi	Indian Council of Medical Research	14,95,000.00
Genome wide association studies for Pharmacogenomics of steroid response in Eye (P.I: Dr. Srujana Chitipodu)	Indian Council of Medical Research	67,09,600.00

### ***Patents :-***

International patent has been granted by **USA to Council of Scientific & Industrial Research, New Delhi** for an invention entitled "**Method for simultaneous detection and discrimination of bacterial fungal, parasitic and viral infections of eye and central nervous system**" in accordance with the provisions of the **USA Patents Act 1970**. The inventors are Chintalagiri Mohan Rao, Andhra Pradesh , Ikunchala Sridhar Rao, Andhra Pradesh ; Puppala Venkat Ramchander, Orissa ; **Hajib Naraharirao Madhavan, Tamilnadu** , Savitri Sharma, Andhra Pradesh ; Gita Satpathy, New Delhi , Venkata Banda Ravi Kumar, Bangalore .

During the year, five meetings of the Board of Management were held and Research & Ethics Sub-Committee met four times.

### ***Manpower Details :-***

<u>Manpower</u>	<u>As on 31<sup>st</sup> Mar 2013</u>	<u>As on 31<sup>st</sup> Mar 2012</u>
President	01	01
Directors	05	04
Deputy Director	01	00
Head of the Department	03	02
Senior Research Fellows	19	23
Junior Research Fellows	19	11
Research Fellows	00	01
Lab Technicians	04	05
Senior Scientists	01	02
Scientists	01	02
Junior Scientists	12	10
Executives / Staff / Technicians	34	31
Professors	01	01
Lecturers	02	04
Readers	02	04
Post Doctoral Fellow	02	05
Research Coordinator	01	01
Part Time Scientists	56	55
<b>Total</b>	<b>164</b>	<b>162</b>



## VISION RESEARCH FOUNDATION

### **Conclusion:**

I would like to take this opportunity to place on record my gratitude for all the guidance extended to me by the President Mr. R Rajagopal, Hon. Treasurer Mr. R S Falor, Dr S S Badrinath, President & Chairman Emeritus, Medical Research Foundation, Board Member and Chairman of Medical Research Foundation, Dr. S Bhaskaran, Chief Operating Officer, Dr. Kris S. Vasan, Director of Research, Dr. Ronnie Jacob George and Deputy Director of Research, Dr. S Krishnakumar.

I would also like to place on record that Dr. H N Madhavan decided to lay down his office as President with effect from 1<sup>st</sup> January 2013 and appreciate the valuable services of Dr. H N Madhavan as President to Vision Research Foundation for over two decades and place on record our heartfelt thanks for the services and guidance he has given to the scientists.

Mr. R Rajagopal, member of the Board of Management of Vision Research Foundation was made the President of Vision Research Foundation with effect from 1<sup>st</sup> January 2013.

Dr. Rama Rajaram has joined the Foundation as an Advisor to coordinate the research activities of the foundation.

I would like to mention that the achievements and awards received by the scientists, details of completed projects and ongoing projects, conferences attended and the articles published in the national and international journals are given separately.

My thanks are also due to the Auditors, M/s. S Viswanathan particularly to their partner Mr. Chella K Srinivasan for their active and invaluable support and our Bankers, HDFC Bank and State Bank of India for their support and co-operation.

I also thank the Internal Auditors, M/s. Sundar, Ranganath & Srinivasan, Chartered Accountants, for their active support in conducting internal audit of the Foundation.

Mr. S Narayan, Manager, played an active role in managing the finance and administrative activities of the Foundation. I thank him for his help and assistance. I also wish to thank Mr. N Sivakumar for his support, especially in completing the income tax assessment of the foundation upto the financial year ended 31<sup>st</sup> March 2010.

The Board of Management place on record their appreciation of the invaluable contribution made by the Research Scientists, Consultants, para-medics and other employees to the continued success of the institution.

**Dr Tarun Sharma, MD, FRCSEd, MBA**  
*Hony. Secretary*  
*Vision Research Foundation*



## VISION RESEARCH FOUNDATION

### **HONOURS & AWARDS**

- ❖ Dr. J Biswas was elected as a Member of American Uveitis Society on 5<sup>th</sup> May 2012.
- ❖ Ms. Nithya received the Best Poster Award at the World Congress on Biotechnology Conference held at Hyderabad on 5<sup>th</sup> May 2012. Target specific delivery of Doxorubicin to retinoblastoma using EpCAM Aptamer
- ❖ Dr Jaiachandran V V, received Best Free Paper Award for “A Novel way of teaching Orbital blocks- Eye POD (Practicing Orbital Device)” at World Congress of Ophthalmic Anesthesia – WCOA 2012, Turkey held on 24<sup>th</sup> & 25<sup>th</sup> May 2012.
- ❖ Dr. J. Biswas was honored the Dr. R.H.P Sinha Gold Medal Oration Award in the 1<sup>st</sup> Joint Mid-Term Conference of Bihar and Jharkhand Ophthalmological Societies Conference on 3<sup>rd</sup> June, 2012 at Indian School of Mines, Dhanbad.
- ❖ Ms. Sushma Kalmodia was awarded the International Travel Fellowship by the Department of Science & Technology, New Delhi, for attending Gordon Research Conference on Noble Metal Nanoparticles at South Hadley ,USA, from 17<sup>th</sup> to 22<sup>nd</sup> June 2012.
- ❖ Dr. L Vijaya received “Paul Harris Fellow” award from Rotary club of Madras Fort & Rotary Club of Singapore at Sankara Eye Hospital, Chennai, on 20<sup>th</sup> July 2012.
- ❖ Ms Rashima A received the ‘Ruby Banik Memorial Award’ of Vision Research Foundation for the Best Research in Clinical Sciences in Ophthalmology for the year 2011-12.
- ❖ Ms. R. Selvi, received the Swarnalatha Punshi Award for Best Research in Basic Sciences for the year 2011 - 12.
- ❖ Dr.J.Malathi received The Best Poster Award on “A study on an epidemic of acute keratoconjunctivitis in Chennai: Isolation of a variant human adenovirus identified based on phylogenetic analysis” at SRM Medical College Hospital & Research Centre, Chennai on 29<sup>th</sup> September 2012.
- ❖ Dr. Pramod S Bhende received the Gold Medal for Excellence in Ophthalmology & Vitreoretinal surgeries at the 9<sup>th</sup> Annual Ophthalmic State Conference, Uttarkhand, from 26<sup>th</sup> to 28<sup>th</sup> October 2012.
- ❖ Ms A. R. Rajalakshmi & Ms. A. Shabna received IERG-ARVO-IC-2012 Travel Fellowships to attend the ARVO IERG conference.
- ❖ Dr. H. N. Madhavan received Prof. S. Subramanian Oration Award (2012) delivered a guest lecture on a topic entitled “Insights into the molecular virological methods” held on 9<sup>th</sup> and 10<sup>th</sup> November 2012 at CLRI, Chennai.



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- ❖ Dr.S.S.Badrinath received the “Sat Paul Mittal National Award” for rendering outstanding service to the humanity on 17.11.2012 at Ludhiana.
- ❖ Dr. J. Subbulakshmi received the Best Poster Award for the poster presentation “Construction and validation of a trilayer model for human outer blood retinal barrier” at Society of Biological Chemists at Kolkata on 11<sup>th</sup> November 2012.
- ❖ Mr. Anand Babu K received B.S. Narasinga Rao Best Poster award on “Does OxLDL, Homocysteine and Homocysteine thiolactone influence the PON expression in AMD?” at the Society of Biological Chemists Meet at Kolkata on 11<sup>th</sup> November 2012.
- ❖ Dr. S. S. Badrinath received the Life Time Achievement Award 2012 at TiEcon, Chennai on 3<sup>rd</sup> December 2012.
- ❖ Dr.T.S.Surendran received the “Excellence Award” for contributions to Strabismus at Strabismus Society of India Conference held at Rohtak on 1<sup>st</sup> December 2012.
- ❖ Dr. S Meenakshi received “Excellence Award” for contributions to Strabismus at Strabismus Society of India Conference in Rohtak on 1<sup>st</sup> December 2012.
- ❖ Dr. Sudha K Genesh elected as the President of Uveitis Society of India at 12<sup>th</sup> Annual Meeting of Uveitis Society of India at Bhubaneswar on 1<sup>st</sup> to 3<sup>rd</sup> December 2012.
- ❖ Dr Jayachandran received “Dr KOP’S” award for conducting the Ophthalmic Forum at 60<sup>th</sup> Annual National Conference of Indian Society of Anesthesiologists, at Indore on 29<sup>th</sup> December 2012.
- ❖ Dr. H. N. Madhavan and the team received the Dr. V. L. Dutt (Chairman, Chennai Willington Corporate Foundation) has personally gifted a high end Computer work station (compatible with Ion Torrent Machine to store and analyze the data generated using high end soft wares) in appreciation of the Research team of L & T Microbiology Research Centre’s contribution on the “MDR TB PROJECT” funded by Chennai Willington Corporate Foundation.
- ❖ Dr Shikha Bassi received “S.D Athawale Award” for Best Paper presentation on “Optical Coherence Tomography in papilledema & pseudo papilledema with and without disc drusen” at AIOS 2013, Hyderabad, held between 17<sup>th</sup> and 20<sup>th</sup> January 2013.
- ❖ Dr L Vijaya received ‘Healthcare Leadership’ award on behalf of Dr S S Badrinath for his dynamic leadership and significant role and critical contribution to the delivery of better patient care in India at the India Research and Innovation Science Meeting held at Mumbai, on 27<sup>th</sup> January 2013.



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- ❖ Mrs. Janani received the Best Paper Award on “Real time PCR and PCR based genotyping of Epstein-Barr virus in pediatric transplant recipients” at the 1<sup>st</sup> Annual Meeting of the Indian Association of Medical Microbiologists, Salem on 2<sup>nd</sup> February 2013
- ❖ Dr. Bipasha P Mukherjee was inducted as the visiting volunteer faculty of Orbis organization as a specialist surgeon.
- ❖ Dr. Subbulakshmi received the “Max Planck-India Fellowship”. It is jointly funded by Max Planck Society, Germany and DST, India (2013-2016).



## VISION RESEARCH FOUNDATION

### RESEARCH PUBLICATIONS

#### PUBLISHED:

- ❖ Utility of QuantiFERON (®)-TB Gold test in diagnosis and management of suspected tubercular uveitis in India. *Sudharshan S, Ganesh SK, Balu G, Mahalakshmi B, Therese LK, Madhavan HN, Biswas J*. International Ophthalmology. 2012 April 15.
- ❖ Recurrent Fungal Iris Granuloma in a 10-Year-Old Child. *Selvakumar P, Sofia O, Gopal L, Biswas J* ocular Immunology Inflammation. 2012 April 5.
- ❖ Orbital dermoid mimicking a monocular elevation deficiency. *Srikanth R, Meenakshi S, Chatterjee R, Mukherjee B*. Oman Journal of Ophthalmology. 2012 May; 5(2):Page No : 118-20
- ❖ Homocysteine induces oxidative stress in young adult central retinal vein occlusion.- MS ID. *Subramaniam R, Barathi S, Suganeswari G, Tarun S. Angayarkanni N* British Journal of ophthalmology May 2012.
- ❖ Prevalence of posterior vitreous detachment in the population with type II diabetes mellitus and its effect on diabetic retinopathy: Sankara Nethralaya Diabetic Retinopathy Epidemiology and molecular Genetic study (SN – DREAMS, report 23) – *Gella L, Raman R, Kulothungan V, Sharma T*. Journal of Ophthalmology 2012 May; 56(3):262-7.
- ❖ Association of macular pigment optical density with risk factors for wet age-related macular degeneration in the Indian population. *Raman R, Biswas S, Gupta A, Kulothungan V, Sharma T*. Eye (Lond).2012 May 4 doi:10.1038.
- ❖ Gene expression profiles and retinal potential of stem/progenitor cells derived from human iris and ciliary pigment epithelium. *Jasty S, Srinivasan P, Pasricha G, Chatterjee N, Krishnakumar S*. Stem cell reviews & reports May 21 2012
- ❖ Multiple live subconjunctival dipetalonema: Report of a case – *John M, Mathew SM, Sebastian V, Biswas J, Raman M*. Indian Journal of Ophthalmology 2012 May; 60(3):228-9.
- ❖ Systemic associations of anterior uveitis in a tertiary care ophthalmic centre in south India. *Mathur G, Biswas J*, International Ophthalmology May 19 2012.
- ❖ A case of subconjunctival dirofilariasis in South India. *Bharathi S, Sofia O, Raman M, Biswas J*. Journal of Ophthalmic Inflammation Infection 11<sup>th</sup> May 2012.
- ❖ Nested PCR – positive tubercular ampiginous choroiditis: A case of report - *Bhuibhar SS, Biswas J*. Ocular Immunology Inflammation. 23<sup>rd</sup> May 2012.
- ❖ Effect of curcumin on miRNA expression in human Y79 retinoblastoma cells. *Sreenivasan S, Thirumalai K, Danda R, Krishnakumar S*. Current Eye Res.2012 May; 37(5): 421-8.



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- ❖ Fifteen year trends in indications for enucleation from a tertiary care center in south India - Sengupta S, Krishnakumar S, Biswas J, Gopal L, Khetan V. Indian Journal of ophthalmology 2012 May; 60(3): 179-82,
- ❖ Multiple live subconjunctival dipetalonema: Report of a case. John M, Mathew SM, Sebastian V, Biswas J, Raman M. Indian Journal Ophthalmology. 2012, May; 60(3):228-9.
- ❖ Boston keratoprosthesis and Ahmed glaucoma valve for visual rehabilitation in congenital anterior staphyloma. Srinivasan B, Choudhari NS, Neog A, Latka S, Iyer GK. Indian Journal Ophthalmology. 2012 May-Jun; 60(3): 232-3. doi: 10.4103/0301-4738.95883.
- ❖ Fish scale collagen--a novel material for corneal tissue engineering. Journal Artificial Organs . Krishnan S, Sekar S, Katheem MF, Krishnakumar S, Sastry TP. 2012 Sep; 36(9):829-35. doi: 10.1111/j.1525-1594.2012.01452.x. Epub 2012 May 16.
- ❖ Prevalence and risk factors of diabetic retinopathy in subjects with suboptimal glycemic, blood pressure and lipid control. Sankara Nethralaya diabetic retinopathy epidemiology and molecular Genetic study (SN – DREAMS, report 33) Raman R, Gupta A, Sharma T. Current Eye Research 2012 Jun; 37(6): 513-23.
- ❖ Elucidation of structure - function relationship in families of copper binding proteins in homo sapiens – a bioinformatics approach, Mathangi jayaraman & Sudarshana , Vidya Natarajan, Umashankar, Sulochana. K.N International Journal of Pharma and Bio Science 2012 July; 3(3): (B) 647 – 662.2012
- ❖ Degenerated Intravitreal Cysticercus Cyst Masquerading as Endogenous Endophthalmitis. Mulla MA, Banker AS, Rishi E, Biswas J. Ocular Immunology Inflammation. 13<sup>th</sup> July 2012.
- ❖ Ophthalmic contributions of Raja Serfoji II Biswas J, Badrinath V, Badrinath SS. (1798-1832). Indian Journal Ophthalmology. 2012 Jul; 60(4): 297-300.
- ❖ Genome-wide association analyses identify three new susceptibility loci for primary angle closure glaucoma Vithana et al Sarangapani S, Soumittra N, Shantha B, Ramprasad VL, Kumaramanickavel G, Iyengar SK, Vijaya L, Nature genetics . 2012 Oct; 44(10):1142-6. doi: 10.1038/ng.2390. Epub 2012 August 26.
- ❖ Tear fluid small molecular antioxidants profiling shows lowered glutathione in keratoconus -Aluru Encarta Saijyothi a, Jenofar Fowjana a, Subramanian Madhumathi b, Mahadevan Rajeshwari b, Maruthamuthu Thennarasu c, Padmanaban Prema d, Narayanasamy Angayarkanni a,\* Experimental Eye Research 103 (2012) 41-46 August 2012.





## VISION RESEARCH FOUNDATION

- ❖ ICAM-1 K469E polymorphism is a genetic determinant for the clinical risk factors of T2D subjects with retinopathy in Indians: a population based case control study. *Vinita K, Sripriya S, Prathiba K, Vaitheeswaran K, Sathyabaarathi R, Rajesh M, Amal J, Umashankar V, Kumaramanickavel G, Pal SS, Raman R, Sharma T* British Medical Journal Open. 2012 August 17;2(4). pii: e001036.
- ❖ Tubercular Sclerouveitis Masquerading as an Ocular Tumor: A Case Report. *Damodaran K, George AE, Goel S, Khetan V, Noronha V, Biswas J.* Ocular Immunology Inflammation. 2012 Oct;20(5):368-71. doi: 10.3109/09273948.2012.708957. Epub 2012 Aug 21
- ❖ Molecular deregulation induced by silencing of the high mobility group protein A2 gene in retinoblastoma cells. *Venkatesan N, Krishnakumar S, Deepa PR, Deepa M, Khetan V, Reddy MA.* Mol Vis. 2012;18:2420-37. Epub 2012 October 3.
- ❖ Target-specific delivery of doxorubicin to retinoblastoma using epithelial cell adhesion molecule aptamer. *Subramanian N, Raghunathan V, Kanwar JR, Kanwar RK, Elchuri SV, Khetan V, Krishnakumar S.* Mol Vis. 2012;18:2783-95. Epub 2012 November 22.
- ❖ Histopathology of retinoblastoma: does standardization make a difference in reporting? *Sengupta S, Krishnakumar S, Sharma T, Gopal L, Khetan V.* Pediatric Blood Cancer. 2013 Feb;60(2):336-7. doi: 10.1002/pbc.24357. Epub 2012 October 12
- ❖ Cataract surgery in eyes with nanophthalmos and relative anterior microphthalmos. *Vijaya L, Rewri P, George R, Balekudaru S.* American Journal Ophthalmology. 2012 Nov;154(5):913-4
- ❖ Agonistic effect of polyunsaturated fatty acids (PUFAs) and its metabolites on brain-derived neurotrophic factor (BDNF) through molecular docking simulation. *Uma Shankar Vetrivel et al.,* Lipids in Health and Disease 2012 11:109.
- ❖ Studies on New Delhi Metallo-Beta-Lactamase-1 producing *Acinetobacter baumannii* isolated from donor swab in a tertiary eye care centre, India and structural analysis of its antibiotic binding interactions, *Sowmiya, Umashankar, Muthukumaran, H.N.Madhavan, and Malathi,* Bio information. 2012; 8(10): 445–452.
- ❖ In vitro and In silico studies on inhibitory effects of curcumin on multi drug resistance associated protein (MRP1) in retinoblastoma cells, *Seethalakshmi Sreenivasan & Sathyabaarathi Ravichandran, Umashankar, S Krishnakumar,* Bioinformation, Biomedical Information Publications, 8(1):013-019 (2012).
- ❖ Prevalence of myopia and its association with diabetic retinopathy in subjects with type II diabetes mellitus: A population based study. *Suganeswari G, Raman R, Sumanth R, Tandav K, Vaitheeswaran K, Sharma T.* Oman Journal of Ophthalmology Vol.5, No.2, 2012



## VISION RESEARCH FOUNDATION

- ❖ Abnormal sleep patterns in subjects with type II diabetes mellitus and its effect on diabetic microangiopathies: Sankara Nethralaya diabetic retinopathy epidemiology and molecular genetic study. (SN – DREAMS, report 20) *Raman R, Aditi G, Kadri V, Vaitheeswaran K, Sharma T.* Acta Diabetologica (2012) 49:255-261
- ❖ Amino acids potentiate the insulin signaling in CHO-K1 at high glucose conditions. *Selvi K, Bhuvanansundar R, Saijyothi AV, Sulochana KN, Angayarkanni N.* Archives Medical Research, 2012; 43: 173-82
- ❖ Beneficial clinical and biochemical effects in patients with Eales disease on Roal supplementation of antioxidant vitamins E & C. *Ramakrishnan S, Selvi R, Saijyothi AV, Biswas J, Bharathselvi M, Angayarkanni N.* Biomedicine: 2012; 32(2): 162-168.
- ❖ Detection of viable *Mycobacterium tuberculosis* directly from sputum specimens of suspected tuberculosis patient and drug resistance pattern by phenotypic methods using BACTEC MicroMGIT culture system- A pilot study in Chennai. *Therese KL, Gayathri R, Dhanurekha L, Sridhar R, Meenakshi N, Madhavan HN, Edwin Manoj S, Kamala VA.* Indian Journal of Medical Research. 132: 4 2012, 778-782
- ❖ Modulation of MDRI expression & function in retinoblastoma cells by curcumin - *Seethalakshmi, Sathya Baarathi, Ravichandran, Umashankar, and Krishna Kumar.* Pharmacology and Pharmacotherapeutics 2012
- ❖ Outcome of Boston keratoprosthesis in a developing country importance of patient selection, education and perioperative care – The Indian Experience *Iyer G, Srinivasan B, Nidhi G, Padmanabhan P.* Asia Pacific Journal of Ophthalmology 2012.
- ❖ The effect of riboflavin-UV-A treatment on corneal limbal epithelial cells. A study on human cadaver eyes. *Vimalin J, Gupta N, Jambulingam M, Padmanabhan P, Madhavan HN.* Cornea Journal 2012.
- ❖ A correlative study on Hepatitis C Virus load determined by real time polymerase chain reaction with serum biomarkers in patients with renal disease - Journal of molecular biomarkers & diagnosis 3:2 2012
- ❖ Endocannabinoids alleviate pro-inflammatory conditions by modulating innate immune response in Muller glia during inflammation. *Gopinath K., Chatterjee N.* (2012) *Glia*, 60(11): pp1629-45.
- ❖ Isolated cortical blindness without simultaneous neurological involvement in progressive multifocal leukoencephalopathy in a patient with human immune deficiency virus infection. *Jeyaraman VA, Sudharshan S, Selvakumar A, Bassi S, Noronha OV, Selvamuthu P, Kumarasamy N, Biswas J,* Journal Ophthalmic inflammation infection. 2013 Jan 3:3(1):3.doi:10.1186/1869-5760-3-3.
- ❖ Identification and insilico analysis of retinoblastoma serum microRNA profile and gene targets towards prediction of novel serum biomarkers. *Madhu B, Nalini V, Madavan V, Umashankar V, Khetan V, Krishnakumar S* – *Bioinformatics and Biology Insights*, January 2013: 7 21-34, doi: 10.4137/BBI.S10501 Epub 2013 Jan 9.



## VISION RESEARCH FOUNDATION

- ❖ Our experience of fibrin sealant-assisted implantation of Ahmed glaucoma valve. *Choudhari NS, Neog A, Sharma A, Iyer GK, Srinivasan B* – Indian Journal of Ophthalmology, Jan-Feb 2013; 61(1):23-7.
- ❖ Full-field electroretinography under general anesthesia in retinoblastoma. *Sachidanandam R, Krishnakumar S, Gopal L, O'Brien JM, Khetan V, Sen P* – Documenta Ophthalmologica; 4<sup>th</sup> Jan 2013, 126(2):149-57.
- ❖ Eales' disease – current concepts in diagnosis and management. *Biswas J, Ravi RK, Narayanasamy A, Kulandai LT, Madhavan HN*. Journal Ophthalmic Inflammation Infection. 2013 Jan 14; 3(1): 11. doi:10.1186/1869-5760-3-11
- ❖ Ocular lesions in 1, 000 consecutive HIV – positive patients in India: a long term study. *Sudharshan S, Kaleemunnisha S, Banu AA, Shrikrishna S, George AE, Babu BR, Devaleen B, Kumarasamy N, Biswas J*. Journal of Ophthalmic Inflammation Infection. 2013 Jan 3; 3(1):2. doi 10.1186/1869-5760-3-2.
- ❖ Severity of Familial Isolated Retinitis Pigmentosa Across Different Inheritance Patterns Among an Asian Indian Cohort, *Purva Bende; Krupa Natarajan; Thennarasu Marudhamuthu; Jagadeesan Madhavan*. Journal Pediatric Ophthalmology Strabismus. 2013 Jan-Feb; 50(1):34-6.
- ❖ Safety and efficacy of using off-label bevacizumab versus mitomycin C to prevent bleb failure in a single site phacotrabeculectomy by a randomized controlled clinical trial. *Rewri P, Balekudaru S, Shah J, George R, Lingam V.J Glaucoma*. 2013 Mar; 22(3):266.
- ❖ Inadvertent rupture of iridociliary cyst following transscleral Diode laser. *Choudhari NS, Amula GM, Neog A*. Indian J Ophthalmol. 2013 Mar; 61(3):124-6.
- ❖ Seven new loci associated with age-related macular degeneration. The AMD Gene Consortium - *Vijaya Lingam* Natural Genetics. 2013 Apr; 45(4):433-9. doi: 10.1038/ng.2578. Epub 2013 Mar 3.
- ❖ Virtual screening studies reveal linarin as a potential natural inhibitor targeting cdk-4 in retinoblastoma, *S.Muthukumaran & R.Chandana , V.Umashankar* , Journal of Pharmacology and Pharmacotherapeutics, 2013.
- ❖ An unusual case of orbital cellulitis. *Mukherjee B, Priyadarshini O* .Eye (Lond). 2013 Mar 22. doi: 10.1038/eye.2013.42.
- ❖ Restrictive strabismus: an unusual presentation of an intraorbital foreign body. *Mukherjee B, Pagad H, Agarkar S*. Can Journal of Ophthalmology. 2013 Feb; 48(1):e1-3. doi: 10.1016/j.jcjo.2012.08.011. Epub 2013 Jan 11.
- ❖ Visual recovery after managing traumatic cataracts. *Adulkar NG, Mukherjee B*. Indian Journal of Ophthalmology. 2013 Feb; 61(2):84-5. doi: 10.4103/0301-4738.107208.



## VISION RESEARCH FOUNDATION

- ❖ Cataract surgery in uveitis. *Agrawal R, Murthy S, Ganesh SK, Phaik CS, Sangwan V, Biswas J.* International Journal Inflammation. 2012;2012:548453. Epub 2012 Feb 8.
- ❖ Fatty Acid synthase inhibition induces differential expression of genes involved in apoptosis and cell proliferation in ocular cancer cells. *Nutrition Cancer. Deepa PR, Vandhana S, Krishnakumar S.* 2013 Feb;65(2):311-6. doi: 10.1080/01635581.2013.748923.
- ❖ Clear cornea with large central descemet's membrane tears following birth trauma. *Shweta A, Radhika R, Prema P* - Delhi Journal of Ophthalmology Feb 2013; 199-201
- ❖ Expression profile of genes regulated by curcumin in Y79 retinoblastoma cells - *Sreenivasan S, Thirumalai K, Krishnakumar S.* Nutrition Cancer Apr-2012.
- ❖ Molecular characterization of flic gene by semi nested PCR for the detection of Salmonella enteric serovar typhi in the peripheral blood of patients from Chennai. *Sowmiya M, Malathi J, Aarthi P, Vaidehi T, Madhavan HN* – India International Journal of Pharma and Bio Sciences.2013:4
- ❖ Determination of significant human cytomegalovirus pp65 antigenemia count among renal transplant patients. *Moses S, Malathi J, Singha NR, Bagyalakshmi R, Madhavan HN* – Indian Journal of Nephrology. 2013, 25:347-352
- ❖ Measurement of adiponectin in vitreous and plasma of patients with proliferative diabetic retinopathy and its correlation with vascular endothelial growth factor, pigment epithelial derived factor and insulin like growth factor. *Vidhya S, Subbulakshmi C, Coral K, Rishi P, Sulochana KN* - Internal Journal of Pharm Bio Science 2013;4(1):993-1005.
- ❖ Lacrimal proline rich 4 (LPRR4) protein in the tear fluid is a potential biomarker of dry eye syndrome. *Aluru, Saijyothi V, Shweta A, Srinivasan B, Iyer, G K, Sivakumar M, Tatu, Utpal, Prema P, Nirmala S, Angayarkanni N* – PLOS one 2013,
- ❖ Can intraocular pressure asymmetry indicate undiagnosed primary glaucoma? The Chennai Glaucoma study. *Choudhari NS, George R, Baskaran M, Ve RS, Raju P, Vijaya L* – Journal of Glaucoma 2013;22: 31-35
- ❖ The cost-utility of telemedicine to screen for diabetic retinopathy in India. *Sudhir RR, Rosa L, Yasmene A, Robert L, Sharma T* – Journal of Ophthalmology 2013;120:566-573
- ❖ Polypoidal choroidal vasculopathy- Evidence-based guidelines for clinical diagnosis and treatment. *Adrian, Lee-Jen, Chen, Yuk YL, Won KL, Tock HL, Tarun S* – Retina 33:686-716,2013
- ❖ Tereoacuity in mild, moderate and severe glaucoma. *Lakshmanan Y & George RJ.* S Ophthalmic and Physiological Optics 2013 Mar. 33(2):172-8.



## VISION RESEARCH FOUNDATION

- ❖ Retinal sensitivity in healthy Indians using microperimeter. *Gella L, Nittala MG, Raman R*. Indian Journal Ophthalmology. 2013.
- ❖ Prevalence and causes of low vision and blindness in an urban population: The Chennai Glaucoma Study. *Vijaya L, George R, Asokan R, Velumuri L, Ramesh S V*. Indian Journal Ophthalmology. 2013.
- ❖ Visual performance with changes in eccentricity in PROSE device: A case report and review. *Jagadeesh D, Mahadevan R*. *Journal Optometry*. 2013. 1-3.
- ❖ Impact of low vision care on reading performance in children with multiple disabilities and visual impairment. *Ramanikk, Police SR, Jacob N*. Indian Journal Ophthalmology. 2013 Apr 26.
- ❖ Comparison of conventional method of contact lens fitting and software based contact lens fitting with Medmont corneal topographer in eyes with corneal scar. *Siddireddy JS, Mahadevan R*. *Cont Lens Anterior Eye*. 2013 Aug; 36(4):176-81.
- ❖ Morphological and functional correlates in Goldmann- Favre syndrome : a case series. *Bhandari M, Rajan R, Krishnan PT, Pal SS, Raman R, Sharma T*. *Korean Journal Ophthalmol*. 2012 Apr; 26(2):143-6.

### ACCEPTED FOR PUBLICATION:

- ❖ A novel in vitro three-dimensional retinoblastoma model for evaluating chemotherapeutic drugs. *Mitra M, Mohanty C, Harilal A, Maheswari UK, Sahoo SK, Krishnakumar S*. *Mol Vis*. 2012;18:1361-78. Epub 2012 May 31.
- ❖ Toxic optic neuropathy following ingestion of homeopathic medication Arnica-30. *Venkatramani DV, Goel S, Ratra V, Gandhi RA*. *Cutan Ocul Toxicol*. 2013 Mar; 32(1):95-7. doi: 10.3109/15569527.2012.708910. Epub 2012 Aug 10
- ❖ Oncogenic microRNA 17-92 cluster is regulated by epithelial cell adhesion molecule and could be a potential therapeutic target in retinoblastoma. *Kandalam MM, Beta M, Maheswari UK, Swaminathan S, Krishnakumar S*. *Mol Vis*. 2012;18:2279-87. Epub 2012 Aug 28.
- ❖ The 18-gauge needle: an innovative simple tool for frontalis sling surgery. *Goel S, Burkat CN*. *Ophthalmic Plastic Reconstructive Surgery*. 2012 Nov; 28(6):424-8. doi: 10.1097/IOP.0b013e318267403b.
- ❖ Microarray analysis and biochemical correlations of oxidative stress responsive genes in retinoblastoma. *Vandhana S, Lakshmi TS, Indra D, Deepa PR, Krishnakumar S*. *Current Eye Research*. 2012 Sep; 37(9):830-41. doi: 10.3109/02713683.2012.678544. Epub 2012 Jun 5.
- ❖ Late recurrence of tumor necessitating enucleation in an adult onset retinoblastoma *Khetan V, Mathur G, Krishna Kumar S, Gopal L*. *Ophthalmic Genet*. 2012 Sep 6.



## VISION RESEARCH FOUNDATION

- ❖ Optimization and application of subtype specific polymerase chain reaction for detection and identification of mixed subtypes of hepatitis C virus in patients with renal disease. *Prathiba K, Bagyalakshmi R, Malathi JM, Anusha H, Ravichandran R, George C, Madhavan HN.* – Journal of Virological methods, 2012.
- ❖ Optimization and application of a reverse transcriptase polymerase chain reaction to determine the bacteria viability in infectious endophthalmitis. *Aarthi P, Bagyalakshmi R, Therese KL, Malathi J, Mahalakshmi B, Madhavan HN.* Current Eye Research 2012.
- ❖ Screening of ocular enterobacteriaceae Isolates for presence of chromosomal bla<sub>TEM</sub>-1 and ESBL Genes: A 2 year study at tertiary eye care centre. *Murali Sowmiya, Malathi JM, Madhavan HN.* Investigative Ophthalmology & Visual Science, 2012.
- ❖ Phenotypic and genotypic method of drug resistance pattern (including MDR strains) of Mycobacterium tuberculosis from pediatric population of Chennai, India. *Therese KL, Gayathri RB, Suresh N, Madhavan HN.* Indian Journal of Medical Microbiology.
- ❖ A study on an Epidemic of acute keratoconjunctivitis in Chennai: Isolation of a variant human adenovirus identified based on phylogenetic analysis. *Janani MK, Malathi J, Madhavan HN.* Indian Journal of Medical Research-2012.
- ❖ Traumatic nasolacrimal duct obstruction: clinical profile, management, and outcome. *Mukherjee B, Dhobekar M.* European Journal of Ophthalmology. 2013 Mar 20:0. doi: 10.5301/ejo.5000256.
- ❖ Structural studies on AIPL1 and its functional interactions with NUB1 to identify key interacting residues in LCA4, *Muthukumaran sivashanmugam, Umashankar vetrivel,* J Ocul Biol Dis Inform, Springer.2013
- ❖ Reverse Masquerade Syndrome: Fungal Adnexal Infection Mimicking Carcinoma in a HIV-Positive Patient. *Mukherjee B, Chatterjee R, Biswas J.* Indian Journal of Ophthalmology
- ❖ Customized contact lens fitting in Microcornea. *Rajni Rajan, Rajeswari Mahadevan.* Contact Lens Spectrum
- ❖ A novel cross-linked human amniotic membrane for corneal implantations. *Sekar S, Sasirekha K, Krishnakumar S; Sastry TP* Journal of Engineering in Medicine,2013
- ❖ Infestation of the lacrimal sac by Rhinosporidium seeberi: A Clinicopathological Case report.: *Mukherjee B, Ashwin Mohan, Biswas J, Sumathi V.* Indian Journal Ophthalmology.
- ❖ Lens thickness and angle closure disease. *George R, L Vijaya.* Clinical and Experimental Ophthalmology.
- ❖ Applications of polymerase chain reaction and PCR based methods targeting internal transcribed (ITS) for detection and species level identification of fungi (Book) - Current methods in fungal biology. Therese KL, Bagyalakshmi R H N Madhavan.



## VISION RESEARCH FOUNDATION

- ❖ Accumulation of homocysteine and its metabolite thiolactone with increased oxidative stress and copper depletion in circulation of patients with Eales' disease. *Barathselvi M, Selvi R, Coral K, Biswas, Angayarkanni N, Ramakrishnan S, Sulochana KN.*

### CHAPTER IN BOOKS PUBLISHED:

- ❖ Glaucoma in India. Chapter in 'Glaucoma Diagnosis and Management Pathways'. Booklet for practitioners published by GSI. March-April 2013, Dr Manish Panday, Dr Ronnie George, Dr L Vijaya
- ❖ **Tools and Databases for Computational Epigenomics** (2012), Toxicology and Epigenetics, Dr. Nirmala Subramanian M.S.,M.Ch., Dr.V.Umashankar & Mr.S.Gurunathan, Edited by Saura C.Sahu. Chichester, UK: John Wiley & Sons, Ltd,pp. 595-614,2012.
- ❖ Insights into the biology infections & laboratory diagnosis of Chlamydia– In tech open access book 2012. H.N.Madhavan, R Bagyalakshmi, Malathi J.





## VISION RESEARCH FOUNDATION

### COMPLETED PROJECTS

- ❖ Protocol Number: CRFB002F2301, "A 12 month, phase III, randomized, double-masked, multicenter, active-controlled study to evaluate the efficacy and safety of two different dosing regimens of 0.5 mg ranibizumab vs. verteporfin PDT in patients with visual impairment due to choroidal neovascularization secondary to pathologic myopia". (Dr Tarun Sharma)
- ❖ Protocol Number: 192024-049 : A Multicenter, Open Label, Non-Comparative Study of the Efficacy and Safety of Triple Combination Therapy of 0.01% Bimatoprost/0.15% Brimonidine Tartarate/0.5% Timolol Ophthalmic Combination BID in Patients with Glaucoma or Ocular Hypertension with Elevated IOP on Dual Combination Therapy of 0.2% Brimonidine Tartarate/0.5% Timolol Ophthalmic Combination BID (Dr. B Shantha)
- ❖ Protocol Number: MK-002-00 : A Phase III, Randomized, Active Comparator-Controlled, Twelve-Week, Double-Masked Clinical Trial to Compare the Efficacy and Safety of Preservative-Free MK-2452 (0.0015%) and Preservative-Free Timolol Maleate (0.5%) in Patients with Open-Angle Glaucoma and Ocular Hypertension. (Dr. B Shantha)
- ❖ CR – 4550 Clinical Evaluation of an investigational contact lens in 7-day extended wear & CR –4590 Clinical Evaluation of Acuvue 2 Contact lenses in 7-day extended wear. (Dr. M Rajeswari)
- ❖ A study on the effect of UV rays on riboflavin treated corneal limbal stem cells during the process of collagen cross linking" (Dr Prema Padmanabhan)
- ❖ Investigation into the Role of Lipids, Brain-Derived Neurotrophic Factor (BDNF), and Vascular Endothelial Growth Factor (VEGF) in Diabetic Retinopathy (Dr. N Angayarkanni)
- ❖ Effects of the pesticide chlorpyrifos on the proteome of human retinal pigment epithelial cell line (ARPE - 19) effect of Cytoprotective agents on chlorpyrifos induced cytotoxicity (Dr N Angayarkanni)
- ❖ Adiponectin as a "Therapeutic target" for ocular angiogenesis" (Dr.K N Sulochana)
- ❖ Experimental study on the potential anti-glycating effects of a novel mixture of amino acids on hyperglycemia induced retinal changes (Dr. N Angayarkanni)
- ❖ Identifying Compounds which potently inhibit Matrix Metalloproteinases 2 & 9: Therapeutic Applications for Retinal Diseases (Dr. N Angayarkanni)
- ❖ Development of a simple fluorescent assay for serum Lysyl oxidase activity (Dr.K N Sulochana)
- ❖ Role of Lysyl oxidase and homocysteine in the aqueous humor and the plasma of patients with pseudoexfoliation syndrome (Dr. N Angayarkanni)





## VISION RESEARCH FOUNDATION

- ❖ Molecular and Historical analysis of neurological disorders associated with mitochondrial DNA mutations. (Dr. N. Soumitra)
- ❖ Investigating the regulation of cytokine profile in Muller glia by endocannabinoids (Dr. Nivedita Chatterjee)
- ❖ To investigate the Effect of Tiam1 (T. Lymphoma Invasion and Metastasis Suppressor) siRNA on Tumor Cell Survival and Proliferation in retinoblastoma (Dr.J.Biswas)
- ❖ To Study the Role of microRNAs as molecular markers in Uveal melanoma and correlate it with Monosomy 3 (Dr. S. Krishnakumar)
- ❖ To study the RNAi mediated HMGA2 gene expression profile of Y79 cells. (Dr. S. Krishnakumar)
- ❖ To study the influence of Self-assembling Peptide Nanofiber Scaffolds in the cell growth and differentiation of human retinal progenitor/stem cells. (Dr. S. Krishnakumar)
- ❖ Development of stealth nanoimmunoliposomes for Si-RNA delivery against EpCAM expressing epithelial cancers (Dr. S Krishnakumar)
- ❖ Functional coupling in a glial syncytium: investigating the immuno-modulatory effects of myelin protein challenge (Dr. Nivedita Chatterjee)
- ❖ Assessing influence of different scaffolds on immunogenicity of corneal epithelial cells (Dr. Geetha Krishana Iyer)



## VISION RESEARCH FOUNDATION

### **ONGOING PROJECTS**

- ❖ A Pilot study on rapid detection of viable *Mycobacterium tuberculosis* and multidrug resistant (MDR) tuberculosis from clinically suspected tuberculosis patients in Chennai – A Major Public Health Problem in India. (Dr. K. Lily Therese)
- ❖ A Clinico – Molecular Biological Study on Infectious Mononucleosis caused by Epstein – Barr Virus and to study the Genotype Prevalence in Chennai (Dr. H.N. Madhavan)
- ❖ Development of matrices using sel-mel PHA produced of indigenous pseudomonas spLDC-5 (Dr. H. N. Madhavan)
- ❖ To Train and Develop Infrastructure for Molecular Ophthalmic Pathology and Rapid Diagnosis of Ocular Infections in an Ophthalmic Institute in Assam (Dr. H. N. Madhavan)
- ❖ An in vitro study on the pathogenic role of Hepatitis C virus and its inflammatory response using human corneal and conjunctival cell line and a clinico molecular micro biological study on HCV associated with keratoconjunctivitis sicca and Sjogren's syndrome. (Dr. J. Malathi)
- ❖ Application of next generation sequencing technique to determine the whole Genome sequence of laboratory isolates of *Pseudomonas aeruginosa* (Both sensitive and resistant strains) and application of bioinformatics approach to identify the vulnerable area of drug targets in the genome (Dr. J. Malathi)
- ❖ Design and Development of small therapeutic peptide to target angiogenesis by regulating Lysyl Oxidase (Dr. K N Sulochana)
- ❖ Role of Adiponectin on the integrity of Blood retinal barrier during Diabetic retinopathy by in vitro 3D cell culture model (Dr. J Subbulakshmi)
- ❖ Identification of interacting partners for Pigment epithelium derived fetor (PEDF) in causing anti angiogenesis (Dr. K N Sulochana)
- ❖ Development of therapeutic peptides from small proteoglycan leucine rich repeat family for the inhibition of tumor angiogenesis. (Dr. K N Sulochana)
- ❖ Regulation of SNARE exocytotic machinery under physiological and pathological conditions of diabetes and obesity. (Dr. J Subbulakshmi)
- ❖ Investigating the therapeutic potential of LOX oxidase propeptide in angiogenesis and tumorogenesis (Dr. K Coral)
- ❖ Analysis of Trace elements from donor eye balls with age related macular degeneration (Dr. K Coral)
- ❖ Molecular cloning and characterization of a novel 88 KDA protein found in patients with Eales' disease, Uveitis, tuberculosis, leprosy and rheumatoid arthritis. (Dr. K N Sulochana)



## VISION RESEARCH FOUNDATION

- ❖ Contact Lens wear induced changes in Keratoconus patients at the level of Redox status, inflammatory cytokines and collagen cross linking (Dr. N Angayarkanni)
- ❖ Screening of the Age Related Macular Regeneration (AMD) for PON polymorphism and its functional correlation at the level of the PON activity, OxLDL and Homocysteine in the blood (Dr. N Angayarkanni)
- ❖ Understanding the effect of Adiponectin mediated signaling pathways on retinal degeneration using human retinal explant culture for designing efficient neuroprotective agent (Dr. J Subbulakshmi)
- ❖ Development of modulators of Ornithine decarboxylase (ODC) the therapeutic application in retinoblastoma (Dr. K N Sulochana)
- ❖ Anti angiogenic potential of the plant derived polyphenols, Elagic, Gallic, Chebulagic and Chebilinic acids : an in vitro study in retinal endothelial cells (Dr. N Angayarkanni)
- ❖ Molecular Basis of X-Linked Juvenile Retinoschisis Mutational Screening of *RS1* gene and functional characterization of the identified mutations. (Dr.A.J Pandian)
- ❖ Molecular Genetic study of Ocular developmental anomalies in Indian Population. (Dr. S. Sripriya)
- ❖ Molecular diagnostics of LCA- A chip based re-sequencing approach (Dr. N.Soumittra)
- ❖ Molecular Genetic Profile of congenital stationary Night Blindness in India using arrayed primer extension technology (APEX) and direct sequencing to associate with disease phenotype (Dr. Parveen Sen)
- ❖ Mutation characterization of genes frequently implicated in BBS patients from India. ( Dr.S.Sripriya)
- ❖ A Comprehensive Analysis of Microphthalmia and Anophthalmia Candidate Genes in Indian Population. (Dr. S. Sripriya)
- ❖ Fuch's endothelial corneal Dystrophy (FCD) – Fine mapping and identifying candidate gene for the novel loci 20p12.1- q13.2 in early onset family and study the association of *TCF4* gene in sporadic late onset FCD cases in our population (Dr. N.Soumittra)
- ❖ Characterization of consanguineous LCA families – a homozygosity based approach (Dr. N. Soumittra)
- ❖ Tissue specific cytotoxicity mediated by Nano particle delivered suicidal Gene therapy. (Dr S Krishnakumar)
- ❖ To investigate the effect of fatty acid synthase (FASN) siRNA in a FASN expressing cancer cell line (Dr. P.R. Deepa )



## VISION RESEARCH FOUNDATION

- ❖ To investigate the expression of microRNAs with deregulated host genes accompanying RNAi of EpCAM in Retinoblastoma (Dr. S. Krishnakumar)
- ❖ Aptamer-toxin conjugates for imaging and dual targeting of (cancer stem cells) tumor cells. (Dr. J. Narayanan)
- ❖ Developing tools for dynamical modeling of C.elegans neuronal network activity (Dr. Nivedita Chatterjee)
- ❖ Proteomics based identification and validation of urinary Biomarkers for Age-related Macular Degeneration (Dr. J. Biswas)
- ❖ To validate a panel of differentially expressed miRNAs from RB serum profile and correlate clinicopathologically (Dr. S. Krishnakumar)
- ❖ MiRNA in Retinoblastoma progression, biomarkers and novel Aptamer-miRNA therapeutics ((Dr. S. Krishnakumar)
- ❖ To investigate the role of tumor microenvironment in RB progression (Dr. S. Krishnakumar)
- ❖ Identification of potential molecular inhibitors of all catalytic domains of fatty acid synthase (FASN) at the enzyme activity and gene expression level (Dr. P.R. Deepa)
- ❖ To investigate the cross-talk between oxidative stress and cellular methylation processes and dissect the functional role of epigenetically silenced genes in RB (Dr. J. Biswas)
- ❖ Proteomics and phosphoproteomics by mass spectrometry and flow cytometry in Retinoblastoma (Dr. Sailaja Elchuri)
- ❖ Fabrication of MDM2 peptide conjugated Gold Nanoparticles for targeted therapy of Retinoblastoma (Dr. S. Krishnakumar)
- ❖ To Understand the Role of MicroRNA in Drug Resistant Retinoblastoma (Dr. Vikas Khetan)
- ❖ Locked nucleic acid modified aptamer-siRNA Chimeric conjugates for improved chemosensitivity and eradication of cancer stem cells (Dr. S. Krishnakumar )
- ❖ To deliver Sodium Iodide Transporter gene using an EpCAM promoter to EpCAM positive cancer cells for therapy and imaging. (Dr. S. Krishnakumar)
- ❖ Aptamer based radio pharmaceuticals for diagnostic imaging and targeted radiotherapy of epithelial cancers. (Dr. J. Biswas / Dr. S. Krishnakumar)
- ❖ A Novel tissue engineering approach for Bio-Engineering corneal epithelial cells from Non-Ocular epithelial cells. (Dr. S. Krishnakumar)



## VISION RESEARCH FOUNDATION

- ❖ To Bioengineer self-assembled collagen fibres for corneal tissue engineering. (Dr. S. Krishnakumar)
- ❖ Fabrication of PDMS based platform/ Micro fluidics based microPCR for the detection of oncogenic miRNAs in retinoblastoma patients serum (Dr. J. Narayanan)
- ❖ Effect of antioxidant peptides in modulating the reactive oxygen species in retinoblastoma cell line through Nanoparticles (Dr. S. Krishnakumar)
- ❖ To Engineer a Aptamer-siRNA chimeric conjugates for targeting epithelial cancers (Dr. Sailaja Elchuri)
- ❖ Protocol Number: 206207-011-04 , Multicenter Phase II study for international intraocular retinoblastoma classification group B,C & D tumors treated with carboplatin – etoposide, vincristine , and cyclosporine- Focal Therapy Multimodality protocol. ( Dr.Vikas Khetan)
- ❖ Protocol Number: 234 -2010-P A phase III, Randomized , Active comparator – controlled , four – week , double – Masked clinical trial to compare the efficacy and safety of preservative – free MK – 2452 (0.0015%) and preservation – Free Timolol Maleate (0.5%) in patients with open – Angle Glaucoma or ocular Hypertension in india (Dr.B.Shantha)
- ❖ An eye tracker perimeter - intuitive tool for affordable glaucoma diagnosis and screening (Dr. Ronnie George)
- ❖ National Retinoblastoma Registry (Dr.Vikas Khetan)
- ❖ Protocol Number: RFB002A2406 Study observe the effectiveness and safety of Lucentis through individualized patients treatment and associated outcomes (Dr.Tarun Sharma)
- ❖ Clinical Evaluation of Acuvue 2 Contact lenses in 7 day extended wear (Dr.M.Rajeswari)
- ❖ 1 Month daily wear Dispensing clinical evaluation of Echo Prototypes EC.O.2, EC.1.2 and EC.2.2 in a population of New and current contact lens wearers (Dr.M.Rajeswari)
- ❖ Clinical Evaluation of an Investigational contact lens in 7 days extended wear (Dr.Bhaskar Srinivasan)
- ❖ Construction and validation of log MAR charts using Bengali, Assamese and Kannada letters (Dr R Krishna Kumar)
- ❖ Characterization and Correction of foveal and parafoveal aberrations in human subjects with adaptive optics (Dr R Krishna Kumar)



## VISION RESEARCH FOUNDATION

- ❖ Construction of Shack Harmann Aberrometer with Adaptive Optics System for the Measurement and correction of Human Ocular Aberrations (Dr R Krishnakumar)
- ❖ Efficacy of action videogame training as a treatment for adult amblyopes (Jameel Rizwana)
- ❖ Blur detection threshold and adaptation in Spectacle wearers (Dr R Krishnakumar)



## VISION RESEARCH FOUNDATION

### PARTICIPATION IN THE CONFERENCE

- ❖ Dr. J. Biswas, Dr. L Vijaya, Dr. Pramod Bhende and Dr. Vikas Khetan participated in the APO Conference at Busan, Korea from 13<sup>th</sup> to 16<sup>th</sup> April 2012. Dr. Biswas delivered a lecture on "Clinico pathological correlation in uveitis" and chaired a session. Dr. Vijaya made presentations on "Early cataract surgery reduces the visual loss in chronic angle closure glaucoma" and "Surgical pearls in angle closure glaucoma". Dr. Pramod Bhende delivered talks on Choroidal coloboma & Role of anti-VEGFs in ROP and Dr. Vikas on "Management of orbital and metastatic retinoblastoma".
- ❖ Dr. J. Narayanan attended the "INUP Hands-on Training on Bio-Sensors" to get the design and fabrication details from INUP facility on 19<sup>th</sup> to 28<sup>th</sup> April, 2012 at IISc, Bangalore.
- ❖ Dr Radhika N participated in the Conference of American Society of Cataract and Refractive Surgery at Chicago from 21<sup>st</sup> to 23<sup>rd</sup> April 2012 and made a presentation on "Recurrent corneal infection following therapeutic penetrating keratoplasty".
- ❖ Dr. Coral attended the MASS Spectrometry Training at Waters India Bangalore from 24<sup>th</sup> to 26<sup>th</sup> April 2012.
- ❖ Dr. Sheila John attended the ATA 2012 17th Annual International Meeting and Exposition of the American Telemedicine Association at San Jose, California from April 29th and May 1st 2012
- ❖ Dr. Coral K attended the ARVO 2012 conference at Florida and made a poster presentation on "*In Vitro* Proliferative Response Of Human Tenons And Scleral Cells From Patients Undergoing Glaucoma Filtration Surgery- A Clinical Correlation".
- ❖ Dr. M Rajeswari attended the British Contact Lens Association Conference in May 2012 and made a poster presentation on "Clinical Visual Performance of different front surface eccentricity in PROSE"
- ❖ Dr. N. Soumitra made an exchange visit to Dr. Christina Zeitz's Lab, at Department of Genetics, Institute de la Vision, Paris, France as a part of an Indo-French (ICMR-INSERM) collaborative project Paris, France, from 22<sup>nd</sup> May to 10<sup>th</sup> June 2012.
- ❖ Dr Prema Padmanabhan participated in the Wavelight Users Meet at China from 30<sup>th</sup> May to 2<sup>nd</sup> June 2012 and delivered a lecture on "IC-Maximizing the use of Diagnostics in refractive surgery".
- ❖ Dr Biswas J participated in the Jharkhand Ophthalmological Societies Conference at Dhanbad on 3<sup>rd</sup> June 2012 and gave a talk on "Anterior uveitis & diagnosis and therapeutic challenges in uveitis".
- ❖ Dr. J Biswas attended the CME Programme at Disha Hospital, Barrackpore on 4<sup>th</sup> June 2012 and delivered a talk on "Advances in management of uveitis".



## VISION RESEARCH FOUNDATION

- ❖ Dr. J Biswas visited the National Medical College Hospital, Kolkata on 5<sup>th</sup> June 2012 and gave a guest lecture on "Recent advances in Eales disease".
- ❖ Dr. J Biswas participated in the CME Programme held at Netra Jyoti Hospital, Ranahut on 6<sup>th</sup> June 2012 and gave a lecture on "Diagnostic and therapeutic challenges in uveitis".
- ❖ Dr. J Biswas visited G.D. Birla Institute of Diabetics, Kolkata on 7<sup>th</sup> June 2012 and delivered a lecture on "Systemic association in uveitis".
- ❖ Dr Biswas J attended the CME Programme, Kolkata on 9<sup>th</sup> June 2012 and gave a guest lecture on "Clinicopathological & microbiological correlations in uveitis".
- ❖ Mr. Arun, Mr Saravanan, Ms. Gayathri, Ms. Karthikka and Mr. Anand Babu, attended a training program on research methodology and biostatistics organized by Tamil Nadu Dr.MGR Medical University from 11<sup>th</sup> to 16<sup>th</sup> June 2012.
- ❖ Dr Vinata Muralidharan attended the Regional Standing Meeting at Indonesia on 16<sup>th</sup> June 2012.
- ❖ Dr Pradeep S attended the CME Programme at Chennai on 16<sup>th</sup> June 2012 and delivered a talk on "Intravitreal Ozurdex".
- ❖ Dr Shantha B delivered a lecture on "Diagnosis & management of malignant glaucoma" at the European Glaucoma Society Meeting held at Copenhagen from 17<sup>th</sup> to 22<sup>nd</sup> June 2012.
- ❖ Mr. Sivasankar and Mr. Bhuvanasundar attended the UPLC School, a training program organized by Waters Company at Chennai on 20<sup>th</sup> June 2012.
- ❖ Mr. Jagaveera Pandian attended the workshop at National Centre of Biological Science (NCBS), Bangalore on Basic course on Flow cytometry (FACS caliber) from 19<sup>th</sup> to 21<sup>st</sup> June 2012.
- ❖ Dr Biswas J attended the Indian Journal of Ophthalmology Editorial Board Meeting at Mumbai on 23<sup>rd</sup> & 24<sup>th</sup> June 2012 and gave presentations on "How to frame a research question", "How to write a case report", "Practical pearls of writing a scientific paper" and "Peer reviewed publications – my personal experience".
- ❖ Dr Pradeep S attended the IJO for Research Methodology at Mumbai on 23<sup>rd</sup> & 24<sup>th</sup> June 2012.
- ❖ Dr. J. Biswas delivered a guest lecture on Eales' disease at the West of England Association of Vitreo-Retinal Surgeons Meeting on 29<sup>th</sup> June 2012 at the Dartington Hall, London, UK.
- ❖ Dr Pramod Bhende participated in the CME programme held at Bangalore from 30<sup>th</sup> June to 1<sup>st</sup> July 2012 and made presentations on Management of coloboma associated RD; Avastin in PDR surgery and LSV for ROP.





## VISION RESEARCH FOUNDATION

- ❖ Ocular Surface & Keratoprosthesis Conference was organized by Sankara Nethralaya, Hyatt Regency on 13<sup>th</sup>, 14<sup>th</sup> & 15<sup>th</sup> July 2012.
- ❖ Dr. S. Krishnakumar attended the Ocular Surface and Keratoprosthesis Conference (OS-KON 2012) on 14<sup>th</sup> July 2012 and he presented the topic about "Bench to Bedside Ongoing Research" on 15<sup>th</sup> July 2012 at Chennai.
- ❖ Dr. Nirmala Subramaniam attended OS-KON 2012 Conference at Chennai, in July 2012 and gave an invited lecture on 'Adnexal Reconstructions in Ocular Surface Disorders'
- ❖ Dr Muna Bhende, Dr Sugneswari G, Dr SS Pal & Dr Krishnendu Nandi participated in the Indian AMD Congress held at Dubai during 13<sup>th</sup> to 15<sup>th</sup> July 2012
- ❖ Dr. K N Sulochana, Dr. N Angarkanni Dr. R Selvi, Ms. Punitham, Ms. Bharathselvi, Ms. Jayanthi, Ms. Gomathy, Mr. Bhuvanasundar and Mr. Naresh attended the "Leveraging Technology & Lab Practices for better patient care workshop" on 21<sup>st</sup> July 2012.
- ❖ Dr Pramod Bhende & Dr Muna Bhende participated in the Retnet India Conference at Cochin on 21<sup>st</sup> and 22<sup>nd</sup> July 2012.
- ❖ Dr. S. Krishnakumar attended the IERG-ARVO IC 20<sup>th</sup> Annual Meeting at L.V Prasad Eye Institute, Hyderabad on 28<sup>th</sup> and 29<sup>th</sup> July 2012 and presented a paper on "EpCAM Is a Putative Stem Marker in Retinoblastoma and an Effective Target for T-Cell-Mediated Immunotherapy".
- ❖ Ms. A. Shabna and Ms. A.R. Rajalakshmy attended the Indian Eye Research Group (IERG) 2012 meeting held at L.V. Prasad Eye Institute, Hyderabad from 28<sup>th</sup> to 29<sup>th</sup> July, 2012 and presented abstracts entitled "Development of a biodegradable matrix from a *pseudomonas* species for the Cultivation of corneal limbal stem cells" and "Hepatitis C Viral Proteins Induces Inflammation In Human Corneal Epithelium" respectively.
- ❖ Dr. Angayarkanni. N participated in the Indian Eye Research Group (IERG) 2012 meeting held at L.V. Prasad Eye Institute, Hyderabad from 27<sup>th</sup> to 31<sup>st</sup> July 2012 and made a presentation on "Lacrimal Proline Rich 4 Protein (LPRR4): A Novel Tear specific protein Biomarker in Dry Eye Syndrome".
- ❖ Ms. Jasna M, participated in the Indian Eye Research Group (IERG) 2012 meeting held at L.V. Prasad Eye Institute, Hyderabad from 27<sup>th</sup> to 31<sup>st</sup> July 2012 and made a presentation on "Response of RPE cells to chlorpyrifos exposure"
- ❖ Dr Pramod Bhende made presentations on "SB & vitrectomy for primary management for RRD", "Management of post traumatic endophthalmitis" and "Current role of anti-VEGF in management in ROP" at the Bombay Ophthalmic Association Meeting, Mumbai during 3<sup>rd</sup> to 5<sup>th</sup> August 2012.
- ❖ Dr. J. Biswas participated in the Colombo Retina Meet at Colombo from 9<sup>th</sup> to 10<sup>th</sup> August 2012 and delivered a talk on "Diagnostic & therapeutic challenges in uveitis".



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- ❖ Dr Prema Padmanabhan attended the nReVEAL Cataract Advisory Board Meeting at Butan on 10<sup>th</sup> August 2012 and delivered a lecture on "Optimizing patient outflow with wavelight refractive suite".
- ❖ Dr Biswas J, Dr Muna Bhende, Dr Pramod Bhende, Dr Meenakshi S, Dr Sudhir R R, Dr Ronnie George, Dr Ambika S, Dr Sudharshan S, Dr Kavitha Kalaivani, Dr Veena Bhaskaran, Dr Radhika N, Dr Bipasha Mukherjee, Dr Vijay Ananth, Dr Meena Lakshmipathy & Dr Sandeep Mark Thirumalai participated in the Tamil Nadu Ophthalmic Association Meeting held at Trichy, from 10<sup>th</sup> to 12<sup>th</sup> August 2012.
- ❖ Dr. R. Bagyalakshmi delivered a guest lecturer on "Investigating an endophthalmitis epidemic" at Choithram Netralaya on 13<sup>th</sup> August 2012.
- ❖ Dr. M Rajeswari attended the Contact lens Clinical Trial Training at USA, Jacksonville by Johnson & Johnson Vision Care Division in August 2012.
- ❖ Dr. K N Sulochana attended the meeting of Cancer Institute and Association of Clinical Biochemists of India on 5<sup>th</sup> September 2012 and gave a lecture on cardiovascular disease and Risk Factors with reference to Diabetes.
- ❖ Dr Pramod Bhende attended the Novartis Global Advisory Board meeting and Euretina Congress at Italy between 5<sup>th</sup> and 9<sup>th</sup> September 2012.
- ❖ Dr L Vijaya participated in the Glaucoma Research Society Meeting, Germany, from 5<sup>th</sup> to 8<sup>th</sup> September 2012 and delivered talks on "Better use of clinical trial data", "SDOCT paradigm change in clinical disc & RNFL assessment" & "Nature of age as a risk factor in glaucoma".
- ❖ Dr. H. N. Madhavan attended the 13<sup>th</sup> South Asian Conference on Clinical Ultrasonography in Practice on 15<sup>th</sup> September 2012.
- ❖ Dr. K Lily Therese delivered an invited guest lecture entitled "Proficiency testing in Microbiology current scenario" at Shree Krishna Hospital & Pramukhswami Medical College, Gujarat on 16<sup>th</sup> September 2012.
- ❖ Dr. J. Biswas delivered a guest lecture on "Investigation in uveitis" at Radhathri Nethralaya, on 16<sup>th</sup> September 2012.
- ❖ Dr Baskar Srinivasan attended the Refractive Surgery Meeting, Vasan Eye Care Chennai, on 17<sup>th</sup> September 2012 and gave a talk on "Post Lasik dry eye & Pentacam".
- ❖ Dr. H. N. Madhavan delivered an invited lecture on "Adenoviral Conjunctivitis" at BAYnovation (Alcon) Investigator meeting – India, at The Westin Mumbai Garden City International Business Park, Mumbai on 21<sup>st</sup> & 22<sup>nd</sup> September 2012.
- ❖ Dr. J. Narayanan and Mr. Gautam Parthasarathy attended the "Fifth ISSS National Conference on MEMS, Smart Materials, Structures and Systems" at Coimbatore on 21<sup>st</sup> and 22<sup>nd</sup> September 2012.



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- ❖ Dr L Vijaya participated in the 40<sup>th</sup> Annual all Gujarat Ophthalmologist Conference held at Surat between 21<sup>st</sup> and 23<sup>rd</sup> September 2012 and delivered lectures on "Optic disc evaluation", "Choice of second glaucoma surgery", "Follow up glaucoma with visual fields" and "Imaging techniques & clinical applications".
- ❖ Dr. S. Krishnakumar attended the SASGENIX-2012 Symposium on Recent Trends in Biotechnology at Sree Sastha Institute of Engineering and Technology, Chennai on 22<sup>nd</sup> September 2012.
- ❖ Dr Biswas J participated in the Ocular pathology & Research Methodology Meeting, Guwahati on 22<sup>nd</sup> September 2012 and made presentations on "How to write a scientific paper", "Ocular infections", "Framing a research question", "Clinicopathological & microbiological correlations in uveitis" and "Pathology of retinoblastoma".
- ❖ Dr Biswas J attended the Vitreoretinal and Uveitis Update Meeting at Kolkata on 23<sup>rd</sup> September 2012 and gave a lecture on "Uveitis: search for the cause".
- ❖ Dr Muna Bhende participated in the Asia Pacific AMD Meet at Singapore between 22<sup>nd</sup> and 23<sup>rd</sup> of September 2012 and made presentations on "Multicentre trails in AMD-what to learn & unlearn" and "Future Therapies in AMD – a synopsis".
- ❖ Dr Prema Padmanabhan gave a lecture on Postoperative follow up – PK/LK/EK/TPK at the 4<sup>th</sup> Annual National CME on Eye Banking of Eye Bank Association of India held at Kolkata on 22<sup>nd</sup> and 23<sup>rd</sup> Septemebr 2012.
- ❖ Dr. J. Biswas delivered a guest lecture on "Ophthalmic Pathology" at Suraj Eye Institute, Nagpur on 27<sup>th</sup> September 2012
- ❖ Dr. S. Krishnakumar attended the "National Workshop on Stem Cell Research and Therapeutics: Current Status & Future Strategies" at the Indian Veterinary Research Institute, Izatnagar from 27<sup>th</sup> to 29<sup>th</sup> September 2012.
- ❖ Dr. Gayathri and Ms. Vimalin Jayalatha attended workshop on "Bioinformatics Homology Modeling and In Silico Drug Designing" held on 28<sup>th</sup> and 29<sup>th</sup> September 2012 at MGR University, Chennai.
- ❖ Dr Muna Bhende delivered lectures on "Management of vein occlusions" and "Hereditary retinal degeneration and retinoblastoma" at the AIOS West Zone PG Course Conference at Nagpur from 28<sup>th</sup> to 30<sup>th</sup> September 2012
- ❖ Dr. Tarun Sharma was gave an invited lecture on "Combining Clinical & Research Acumen" at the 16<sup>th</sup> Dr. C. Shymala Bhaskaran Endowment Lecture at L.V. Prasad Eye Institute on 29<sup>th</sup> September 2012.
- ❖ Dr. J.Malathi, Ms. M.K.Janani and Ms. R. Rajyalakshmi attended "CME Rabies update on 2012" conducted at SRM Medical college Hospital & Research Centre, Chennai on 29<sup>th</sup> September 2012.



## VISION RESEARCH FOUNDATION

- ❖ Dr. K Coral attended the "Developing Research Capabilities and Assessing Research Priorities in Glaucoma in India workshop" held at Lions Aravind Institute of Community Ophthalmology (LAICO), Madurai on 1<sup>st</sup> and 2<sup>nd</sup> October 2012.
- ❖ Dr. S. Sripriya attended the conference on "Developing Research Capabilities and Assessing Research Priorities in Glaucoma" on 1<sup>st</sup> & 2<sup>nd</sup> October 2012 at LAICO, Aravind Eye Care Systems, Madurai
- ❖ Dr. S .Krishnakumar attended the "Workshop on Developing Research Capabilities and Assessing Research Priorities in Glaucoma" at Madurai on 1<sup>st</sup> and 2<sup>nd</sup> October 2012.
- ❖ Dr. S. Krishnakumar attended the "Third Annual India Stem Cell Conclave and Exhibition 2012" at Bangalore on 6<sup>th</sup> & 7<sup>th</sup> October 2012.
- ❖ Ms.K.Sudha attended the workshop on 'Vision Genomics' held at Aravind Medical Research Foundation, Madurai, from 3<sup>rd</sup> to 9<sup>th</sup> October 2012.
- ❖ Dr Sripriya Krishnamoorthy, Dr Rathini Linian David & Dr M B Madhuri attended the meeting of Glaucoma Society of India at Coimbatore, from 5<sup>th</sup> to 7<sup>th</sup> October 2012 and they made presentations on "YAG peripheral iridotomy in Indian eyes", "Outcome of phacotrabeulectomy with vicryl suture" and "CCF & Glaucomas" respectively.
- ❖ Dr Krishnakumar S participated in the 3<sup>rd</sup> Annual India Stem Cell Conclave and Exhibition 2012 held at Bangalore on 6<sup>th</sup> & 7<sup>th</sup> October 2012 and made a presentation on "Promise & Opportunities in stem cell based therapies".
- ❖ Mr.T.Arokiasamy delivered a talk on "Genetic Counselling for Visual impaired" at National Institute for Empowerment of persons with Multiple Disabilities (NIEPMD), Chennai on 10<sup>th</sup> October 2012.
- ❖ Dr. Mahalakshmi attended a one day seminar on "Auto immune Diseases and Diagnosis an update" at Bangalore on 11<sup>th</sup> October 2012.
- ❖ Dr Pramod Bhende made presentations on "Overview of surgery for diabetic retinopathy" and "Pearls in vitrectomy for DR, Management of IOFB" at the Maharashtra State Ophthalmic Conference held at Mahabaleshwar from 12<sup>th</sup> to 14<sup>th</sup> October 2012.
- ❖ Dr Muna Bhende made presentations on "Systemic considerations in DR management" and "Ultrasound & UBM in Trauma" at the Maharashtra State Ophthalmic Conference held at Mahabaleshwar from 12<sup>th</sup> to 14<sup>th</sup> October 2012.
- ❖ Dr Prema Padmanabhan participated in the Phacoexcel Conference at Madurai on 13<sup>th</sup> & 14<sup>th</sup> October 2012 and made presentations on "The new thriple procedure (Phaco+(F)IOL+DSEK)" and "Cataract Surgery in eyes with corneal ectasial".
- ❖ Mrs. R. Selvi, Mr. Nareshkumar and Mr. Bhuvanasundar attended the workshop on Practical Proteomics programme of Waters at Bangalore from 16<sup>th</sup> to 19<sup>th</sup> October 2012.



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- ❖ Dr. J. Biswas & Dr Sudha K Ganesh attended the International Uveitis Study Group (IUSG) Conference, Greece during 17<sup>th</sup> to 22<sup>nd</sup> October 2012.
- ❖ Dr. J. Biswas gave an invited talk on Epidemiology and clinical features of tubercular and sarcoid uveitis at the 8<sup>th</sup> International symposium on uveitis at Greece, from 18<sup>th</sup> to 22<sup>nd</sup> October 2012.
- ❖ Dr Pramod S Bhende participated in the 9<sup>th</sup> Annual Ophthalmic State Conference "Uttara – Eyeone 2012" from 26<sup>th</sup> to 28<sup>th</sup> October 2012 and made a presentation on "Postoperative Endophthalmitis – management of options".
- ❖ Dr. S. Krishnakumar attended the "3<sup>rd</sup> International Conference on Stem Cells and Cancer (ICSCC-2012) on 28<sup>th</sup> & 29<sup>th</sup> October 2012, at the PGIMER Auditorium, Dr Ram Manohar Lohia Hospital, New Delhi, India
- ❖ Dr. Rajeswari, Ms. Amudha Oli, Ms. Madhumathi, Ms. Rajni, Ms. Sakunthala, Ms. Flora, Ms. Gajalakshmi attended the Bio Clinical Web - Ex Training - Data Entry by Johnson & Johnson Vision Care Division in October 2012.
- ❖ Dr. Nirmala Subramaniam participated in the Annual Conference of All India Oculoplastic Surgery Society in October 2012 at Amritsar and gave an invited lecture on "Algorithm for some difficult reconstructions of eyelids & periorbital areas".
- ❖ Dr. N Soumitra & Ms. N.N .Srikrupa attend "Next generation Sequencing and Bioinformatics for Genomics & Healthcare conference" at Department of Biotechnology, IITM Chennai, India, 1<sup>st</sup> & 3<sup>rd</sup> November, 2012.
- ❖ Dr. J. Malathi delivered a guest lecture on "Ocular herpes viruses" attending an International Symposium organized by King Institute on "Challenges and strategies in the prevention and management of viral infection held on 9<sup>th</sup> & 10<sup>th</sup> November 2012 at CLRI, Chennai.
- ❖ Dr Manish Panday attended the American Academy of Ophthalmology Meeting at Chicago between 10<sup>th</sup> and 13<sup>th</sup> November 2012 and made poster presentations on "Bleb excision & free conjunctival autografts for leaking and overfiltering blebs" and "Six year incidence of ocular hypertension in a population based study".
- ❖ Dr Tarun Sharma, Dr Surendran T S, Dr Pramod S Bhende, Dr Muna Bhende & Dr Parveen Sen participated in the 8<sup>th</sup> International Symposium of Ophthalmology at Hong Kong from 12<sup>th</sup> to 16<sup>th</sup> November 2012
- ❖ Dr. K N Sulochana participated in the 81<sup>st</sup> SBC(I) Annual meeting and Symposium on Chemistry and Biology: Two Weapons Against Diseases from 8<sup>th</sup> to 11<sup>th</sup> November 2012 at Kolkata and made presentations on "Role of free amino acids in the transformation of retinal pericytes to adipocytes: insights into the molecular mechanism of proliferative diabetic retinopathy. India (PP: CAB 09)" and "Copper transporter 1 a novel target for the treatment of angiogenesis related diseases".



## VISION RESEARCH FOUNDATION

- ❖ Dr. Subbulakshmi C participated in the 81<sup>st</sup> SBC(I) Annual meeting and Symposium on Chemistry and Biology: Two Weapons Against Diseases from 8<sup>th</sup> to 11<sup>th</sup> November 2012 at Kolkata and made a presentation on "Construction and validation of a trilayer cell culture model of human outer blood retinal barrier".
- ❖ Ms. R Selvi, Ms. Karthikka P, Mr. Nareshkumar RN, Mr. R Saravanan, Mr. Anandbabu K, Mr. Jittu Mohanlal M, attended the 81<sup>st</sup> SBC(I) Annual meeting and Symposium on Chemistry and Biology: Two Weapons Against Diseases, from 8<sup>th</sup> to 11<sup>th</sup> November 2012 at Kolkata.
- ❖ Dr. H.N.Madhavan, Dr. K. Lily Therese, Dr. B. Mahalakshmi and Ms. Aarthi attended The National Conference Microcons 2012 Indian Association of Medical Microbiologists (IAMM) Conference from 22<sup>nd</sup> to 25<sup>th</sup> November 2012 at New Delhi.
- ❖ Dr. S. Krishnakumar attended the Deakin-Teri meeting at New Delhi from 27<sup>th</sup> - 29<sup>th</sup> November, 2012 and he gave a presentation about "Collaboration the Indian perspective."
- ❖ Dr.J.Biswas delivered a guest lecture on "Diagnostic challenges in uveitis & Ozurdex case studies" at Chennai on 28<sup>th</sup> November 2012.
- ❖ Dr Biswas J participated in the 12<sup>th</sup> Annual Meeting of Uveitis Society of India, Bhubaneswar from 1<sup>st</sup> and 3<sup>rd</sup> December 2012 and gave presentations on "Conjunctival tuberculoma in a HIV positive patient mimicking squamous cell carcinoma" and "Sarcoid choroidal Nodules mimicking metastatic tumour".
- ❖ Dr Parthoprati Dutta Majumder participated in the Uveitis Society of India Meeting, held at Bhubaneswar between 2<sup>nd</sup> and 5<sup>th</sup> December 2012 and made a presentation on "Scleritis in Behcet's disease".
- ❖ Dr Biswas J attended the 1<sup>st</sup> Indo-China Intraocular Inflammation Meeting held at Cambodia from 7<sup>th</sup> to 9<sup>th</sup> December 2012 and delivered a lecture on "HIV related ocular complications".
- ❖ Dr. Kumar Saurabh participated in the 11<sup>th</sup> Annual Meeting of VRSI in Guwahati from 6<sup>th</sup> to 8<sup>th</sup> December 2012 and made a paper presentation on "Scleral Buckle Removal: Our Perspective".
- ❖ Ms. K. Sudha, Ms.D.Sudha, Mr.S.Malaichamy and Ms.Bhavna S Rao participated in the Indian Society of Human Genetics (ISHG) 2013 Conference at Banaras Hindu University, Varanasi between 9<sup>th</sup> and 11<sup>th</sup> December 2012.
- ❖ Dr SriPriya Krishnamoorthy participated in the Asia-Pacific Glaucoma Congress held at Indonesia between 7<sup>th</sup> and 12<sup>th</sup> December 2012 and gave a lecture on "Role of comprehensive eye care in a community health centre".
- ❖ Dr.T.S.Surendran gave a guest lecture on "Assessment of vision in the preschool child & Difference in Practice pattern" at The 8<sup>th</sup> International Symposium of Ophthalmology at Hongkong, from 14<sup>th</sup> to 16<sup>th</sup> December 2012.





## VISION RESEARCH FOUNDATION

- ❖ Dr Prema Padmanabhan participated in the 1st Anticipate Keratoconus Conference at Bangalore on 15<sup>th</sup> and 16<sup>th</sup> December 2012 and delivered talks on “Epidemiology on review of literature” and “Topography”.
- ❖ Dr Tarun Sharma participated in the 5<sup>th</sup> Annual Conference of POS at Pune between 21<sup>st</sup> and 23<sup>rd</sup> December 2012 and made presentations on “Current concepts of management of diabetic macular edema”, “Leucocoria making a right diagnosis” and “Electronic Medical records (EMR)”.
- ❖ Dr Iyer Geeta Krishnan made a presentation on Indications of OOKP & our results at the Asia Cornea Society Meeting held at Manila from 27<sup>th</sup> to 29<sup>th</sup> December 2012.
- ❖ Dr Rama Rajagopal participated in the Asia Cornea Society Meeting at Manila from 27<sup>th</sup> to 29<sup>th</sup> December 2012 and made a poster presentation on “Combined therapeutic penetrating keratoplasty & vitreoretinal surgeries using landers keratoprosthesis” and a paper presentation on “Clinical profile & surgical outcome of infiltrative ocular surface squamous neoplasia in a tertiary care centre”.
- ❖ Dr. Angayarkanni attended the CSIR-Institute of Genomics and Integrative Biology (New Delhi) and presented the “Vitamin B<sub>12</sub> and one carbon metabolism in Health and Diseases” on 10<sup>th</sup> March 2013 Organized by CSIR-IGIB and Homocysteine in Retinal pathologies.
- ❖ Dr. K N Sulochana, delivered an invited talk on “Recent trends in Biochemistry” at Valliammal College on 5<sup>th</sup> January 2013.
- ❖ Dr. J. Subbulakshmi, attended DST-SERB School in Neuroscience, and presented the “Role of adiponectin in protecting blood retinal barrier and its function as a neurotrophic factor” organized at National Institute for Scientific Education and Research (NISER), Bhubaneswar in December 2012.
- ❖ Dr. S. Bhaskaran delivered a guest lecture on “STEM CELL - Present Scenario and what it holds for the future” at Loyola College Campus on 3<sup>rd</sup> January 2013.
- ❖ Mr. Sivasankar attended the Chemi-informatics, Simulation and Drug discovery National Workshop held at Loyola College from 8<sup>th</sup> to 12<sup>th</sup> January 2013.
- ❖ Dr. Nirmala Subramaniam participated in the 12<sup>th</sup> Annual Conference of the Indian Society of Cleft Lip, Palate and Craniofacial Anomalies - INDOCLEFTCON 2013 during 17<sup>th</sup> to 19<sup>th</sup>, January 2013 at Nagpur and delivered a guest lecture on “Rare Cranio-Facial Clefts Tessier 3, 4 & 5”.
- ❖ Dr. S. Krishnakumar attended the APAO-AIOS 2013 Meeting at Hyderabad on 18<sup>th</sup> to 20<sup>th</sup> January, 2013 and presented a presentation about “miRNAs as biomarkers in Ocular Tumors for diagnosis and therapy”



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- ❖ Dr.H.N.Madhavan delivered guest lectures on “Corneal Epithelial Regeneration with Chemically Synthesized polymers & potentials for cell line development” & “Current status of Biotechnology in India” at Loyola College Campus on 9<sup>th</sup> February 2013.
- ❖ Ms. Suganaya attended the Hands-on workshop on Next Generation sequencing and proteomics from 12<sup>th</sup> to 16<sup>th</sup> March 2013 at CSIR-IGIB, New Delhi.
- ❖ Mr.R.Bhuvanasundar attended a workshop on FT- NMR spectroscopy at IIT Madras on 21-22<sup>nd</sup> March 2013.
- ❖ Dr. J. Biswas attended the CME Meeting at Hyderabad on 24<sup>th</sup> March 2013.
- ❖ Dr. J. Narayanan gave an invited talk in the International Conference on Smart Structures and Systems – 2013 on 28<sup>th</sup> March 2013 at Saveetha University, Chennai.
- ❖ Dr. Nirmala Subramaniam attended the Annual Conference of Vasan Eye Centre 2013 VASCOM and delivered a guest lecture on “Grafts in Oculoplastic Surgery”.





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### **DISTINGUISHED VISITORS**

- ❖ Dr. Rupinder Kanwar, Research Fellow, Centre for Biotechnology and Interdisciplinary Sciences (BioDeakin) visited Nano Biotechnology Lab on 11<sup>th</sup> April, 2012
- ❖ Mr. Gimms Andrews, Chief Operating Officer, Mission for Vision, Mumbai visited Genetics Lab on 21<sup>st</sup> April, 2012.
- ❖ Prof Ranendra Narayan Saha, Deputy Director (Research & Education Development), BITS, Pilani visited our foundation on 2<sup>nd</sup> May 2012.
- ❖ Mr. Ashok Metha, Medical Research Foundation Board member visited Genetics lab, 14<sup>th</sup> May 2012.
- ❖ Prof. Testoop PhD, Director-International Research Initiative, Deakin University, Australia, visited Genetics Lab on 21<sup>st</sup> May 2012.
- ❖ A Philanthropist, Dr. Ananth Seshan, PhD, Chairman and Managing Director, Fifth Generation Technologies India (P) Ltd, visited Genetics Lab on 29<sup>th</sup> May 2012.
- ❖ Dr. V. V. Jacob, Scientist D, Department of Science and Technology visited our Foundation on 9<sup>th</sup> June 2012
- ❖ Dr. D. Karunakaran, Dr. R. B. Narayanan and Dr. K. Sankaran from Anna University visited our foundation on 28<sup>th</sup> June 2012.
- ❖ Dr. Paulo Rama, an Italian Doctor (specializes in Limbal stem cell therapy) visited Nano - Biotechnology lab on 4<sup>th</sup> July 2012.
- ❖ Dr. Sujatha Jagadeesh, Mediscan, Chennai, visited Genetics Lab on 21<sup>st</sup> July 2012.
- ❖ Dr. V. Chitra Sree, Consultant-Lab Services, Madras Medical College, Chennai, visited Bio-chemistry lab on 21<sup>st</sup> July 2012.
- ❖ Dr. Santhi S, Dr. CM Prabhu Kumar, and Dr. Jothimalar, from SRMC & RI, Sri Ramachandra University, Chennai, visited Biochemistry lab on 21<sup>st</sup> July 2012
- ❖ Prof. Debi P. Sarkar, Former Head/Dean, Biochemistry, University of Delhi South Campus, visited Bio-Chemistry Lab on 10<sup>th</sup> August 2012.
- ❖ Ms. Anuradha Gupta, Deakin Coordinator along with Prof. David Mellor Associate Dean (International) for the Faculty of Health at Deakin University, visited our Foundation on 17<sup>th</sup> August 2012.
- ❖ Mr. R. K. Venkateshwara Rao, Director, C.H. Consultancies, Ex. World Health Organization Consultant, Madurai visited Genetics Lab on, 17<sup>th</sup> August 2012.



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- ❖ Prof. David Mellor Associate Dean International from Deakin University, Australia Visited Genetics Lab on 17th August 2012.
- ❖ The 2<sup>nd</sup> year Biomedical Engineering students of Jerusalem College of Engineering visited our foundation on 13<sup>th</sup> and 14<sup>th</sup> September 2012.
- ❖ A team from Rajasthan Association (Tamil Nadu) visited our foundation on 18<sup>th</sup> September 2012.
- ❖ Dr. Jyotirmoy, Eye surgeon Prof. & Head, Eye Department, Calcutta National Medical College visited our foundation on 26<sup>th</sup> September 2012.
- ❖ Dr. Minip Singh, Assistant Professor from Virology Department, PGA, Chandigarh visited our foundation on 13<sup>th</sup> October 2012.
- ❖ Dr. K. Venkateswara Rao, Director of Community Health Consultant, Hyderabad visited the Genetics lab on 18<sup>th</sup> August 2012.
- ❖ Dr David Mansfield, Consultant Ophthalmologist, Inverclyde Royal Hospital Greenock, Scotland, visited our foundation on 19<sup>th</sup> September 2012 and gave a guest lecture on "New & nearly-new five rare retinal diseases in Scotland".
- ❖ Sringeri Jagatguru Sri Bharati Tirtha Swamigal named our Bio-chemistry Lab as **Mehta Jain Department of Biochemistry and Cell Biology** on 9th October 2012.
- ❖ Prof B Shukla, Director of Research and Training, Ratan Jyoti Netralaya Ophthalmic Institute & Research Centre, Gwalior and Dr. Chandrasekara Shetty, Board Governor, visited the Bio-chemistry Lab on 11th October 2012.
- ❖ Prof. C N R Rao, Jawaharlal Nehru Centre - Bangalore visited our foundation to inaugurate the Mass Spectrometry equipment on 26<sup>th</sup> October 2012 and gave a talk on "Celebration of Science".
- ❖ Dr. Mathan, Scientist, CLRI, visited the Bio-chemistry Lab on 3<sup>rd</sup> November 2012.
- ❖ Prof. Luis B. Cantor and Prof. Soni from Indiana University visited our foundation on 16<sup>th</sup> November 2012
- ❖ Dr. Amol Waghlikar from CSIRO ICT Centre from Australia visited our foundation on 20.11.2012
- ❖ Dr.Moulinath Acharya and Dr.Samsidhi, National Institute for Biomedical Genomics (NIBMG), Kalyani visited our foundation on 23<sup>rd</sup> and 24<sup>th</sup> November 2012
- ❖ Prof. Lingxue Kong, Deakin University, Australia visited Bio-chemistry Lab on 26<sup>th</sup> November 2012



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- ❖ Dr. Sumath Bhabra from Ludiyana Punjab visited Microbiology lab on 26<sup>th</sup> November 2012.
- ❖ Dr. Janarthan Rao and Dr. Pahuja from Melbourne, Australia visited Microbiology lab on 30<sup>th</sup> November 2012.
- ❖ Dr John Kempen, MD, PhD Associate Professor of Ophthalmology & Epidemiology, Director, Ocular Inflammation Service, Scheie Eye Institute, Director, Ophthalmic Epidemiology & International Ophthalmology, Senior Scholar, Center for Clinical Epidemiology and Biostatistics, University of Pennsylvania School of Medicine visited on 03<sup>rd</sup> December 2012 and gave a talk on "Systemic treatment for ocular inflammatory disease".
- ❖ Dr Arup Das, University of Mexico, USA visited our foundation on 5<sup>th</sup> December 2012 and gave a talk on "Diabetic Macular Edema Current Strategies and Future Targets".
- ❖ Prof. Trichur Vidyasagar, Visual & Cognitive Neuroscience Laboratory, University of Melbourne visited our foundation on 15<sup>th</sup> December 2012.
- ❖ Dr. V.S. Ananthanarayanan, Professor of Biochemistry Department from Health Science Centre, M C Master University, Canada, visited our foundation on 19<sup>th</sup> January 2013.
- ❖ Prof. Gerald R. Schultz Loma Linda, University of California visited our foundation on 21<sup>st</sup> January 2013, and delivered guest lectures on "Ophthalmic genetics & Stem cell Research" & "Evolution of Indian Ophthalmology".
- ❖ Dr Chetana Lea Hyvarinen, Pediatric Ophthalmologist, University of Helsinki, Finland visited our foundation on 25<sup>th</sup> January 2013 and gave a talk on "Contrast sensitivity curve, the visuogram, what can it reveal about impaired vision?"
- ❖ Dr. Namperumalswami & Dr. Natchiar, Arvind Eye Hospital, Madurai visited our foundation on 25<sup>th</sup> January 2013 and gave a talk on "Institutional Building – Principles Philosophy & Human Research Key factor for any Successful Eye Care organization".
- ❖ Dr. APJ Abdul Kalam, Former President of India visited our foundation on 07<sup>th</sup> February 2013, gave a talk on "Eye Care Research Mission'- Giving Light to the dark is God's mission"
- ❖ Dr. Ajith V. Kamath, Head, Strategic Research Partnerships, India External Research & Development Innovation, and Worldwide Research & Development visited our foundation on 14<sup>th</sup> February 2013
- ❖ Mr. L.T. Pagarani, Chairman, Choitram Group, and his team, with Dr. Rajiv Raman visited Biochemistry lab on 13<sup>th</sup> February 2013.
- ❖ Mr. Arun Ramanathan, ONGC Board of Director visited Genetics lab, on 21<sup>st</sup> February 2013.



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- ❖ Padma Bhushan Dr M K Mani Chief Nephrologist, Apollo Hospitals visited our foundation on 1<sup>st</sup> March 2013 and gave a talk on “Advancing the frontiers of medical knowledge”.
- ❖ Mr. Cassandra Rao from Keete University visited the Microbiology lab on 08<sup>th</sup> March 2013.
- ❖ Ms.Halima K Voyles, Vice counsel and Ms.Sudha Ashok Assistant from American consulate Visited Genetics lab on 11<sup>th</sup> March 2013.
- ❖ Dr. David Springer, Dr.Linda Lucas – Provost, Dr.Om Srivastava - Associate Director of Research School of Optometry, from the University of Alabama (UAB) visited our foundation on 18<sup>th</sup> March 2013.
- ❖ Shree Harsha H.C from Institute of Bioinformatics (IOB), Bangalore visited the Nanobiotechnology Lab on 20<sup>th</sup> March 2013
- ❖ Dr. Paul Baird from University of Melbourne, Australia visited our Foundation on 21<sup>st</sup> March 2013.
- ❖ Dr. Masae Kawa Mura from Qiagen, California visited Microbiology lab on 22<sup>nd</sup> March 2013.