



VISION RESEARCH FOUNDATION

September 7, 2011

The Members of the Vision Research Foundation

NOTICE

NOTICE IS HEREBY GIVEN TO THE MEMBERS OF THE VISION RESEARCH FOUNDATION THAT THE 27th ANNUAL GENERAL MEETING OF VISION RESEARCH FOUNDATION WILL BE HELD ON, THURSDAY THE 29th SEPTEMBER 2011 AT 5.00 P.M. AT THE VRF BOARD ROOM IN THE 2ND 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 2010-11.
2. To consider and adopt the Audited Income and Expenditure Account for the year ended March 31, 2011 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 2011-12 and to fix their remuneration.
4. To appoint the following Members to the Board of Management in the vacancies caused by their retirement, who are eligible for re-appointment.

Name	Category of Membership
Dr. S S Badrinath	Founder Member
Mr. V Vaidyanathan	Founder Member
Dr. S B Vasanthi	Founder Member
Mr. R Rajagopal	Donor Member
Dr. S Bhaskaran	Honorary Member
Dr. D Balasubramanian	Honorary Member
Dr. M S Swaminathan	Honorary Member
Dr. H N Madhavan	Honorary Member
Dr. Lingam Gopal	Honorary Member
Dr. J Biswas	Honorary Member
Dr. Tarun Sharma	Honorary Member
Dr. L Vijaya	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 members were appointed to the Board of Management for a period of three years at the 24th Annual General Meeting held on 25th September 2008 :-

Name

Dr. S S Badrinath
Mr. V Vaidyanathan
Dr. S B Vasanthi
Mr. R Rajagopal
Dr. S Bhaskaran
Dr. D Balasubramanian
Dr. M S Swaminathan
Dr. H N Madhavan
Dr. Lingam Gopal
Dr. J Biswas
Dr. Tarun Sharma
Dr. L Vijaya

Their term of appointment expires at the end of the Annual General Meeting on 29.09.2011. As per 16(xiv) of the Bye-laws of the Foundation read with Section 15 (5) of the Tamil Nadu Societies Registration Act 1975, they are eligible for reappointment to the Board of Management.



VISION RESEARCH FOUNDATION

BOARD OF MANAGEMENT

Dr H N Madhavan	President
Mr. R Rajagopal	Vice President
Dr Tarun Sharma	Honorary Secretary
Mr. R S Falor	Treasurer

Members of the Board

Dr S S Badrinath	Member
Dr S Baskaran	Member
Mr V Vaidyanathan	Member
Dr S B Vasanthi	Member
Mr R Rajagopal	Member
Dr M S Swaminathan	Member
Dr D Balasubramanian	Member
Dr J Biswas	Member
Dr K Anji Reddy	Member
Dr L Vijaya	Member
Dr T S Surendran	Member
Mr Homi C H Bhabha	Member
Dr. Ronnie Jacob George	Director – Research
Dr. S Krishnakumar	Deputy Director – Research
Chief Operating Officer	Dr Kris S. Vasan
Chief General Manager	Mr. P R Ravindran
Manager	Mr S Narayan
Auditors	M/s S Viswanathan Chartered Accountants, Chennai
Bankers	HDFC Bank, Chennai – 600 034 State Bank of India, Chennai –600 034 Indian Overseas Bank, Chennai – 600 034
Registered Office	New No.41, Old No.18, College Road Chennai – 600 006



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
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. Rajiv Raman
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. Vizhinathan
Dr. Rama Shankar Varma
Lion G V Raman



VISION RESEARCH FOUNDATION

ANNUAL REPORT FOR THE YEAR 2010–11

Report of the Honorary Secretary to the Members of the Foundation

It gives me great pleasure to welcome you all to this 27th Annual General Meeting of our Foundation. I am pleased to present the Twenty Seventh Annual report of the Vision Research Foundation. The twenty sixth Annual General Meeting of the Foundation was held on 26th August 2010 in which the Annual Report and the Audited Accounts of the Foundation for the financial year ended 31st March 2010 were approved by the members. During this year, Five Board Meetings were held. M/s. S Viswanathan, Chartered Accountants, were re-appointed as Auditors for the financial year 2010-11.

The donations received during the year was Rs 628.35 lakhs as compared to Rs 158.97 lakhs in the previous year. The gross total income for the year under review was Rs 1171.07 lakhs including research grants and interest on deposits. The total expenditure before providing depreciation was Rs.980.60 Lakhs resulting in a cash surplus of Rs 190.47 lakhs. After considering depreciation for the year, there was a net deficit of Rs.91.09 lakhs, which was carried over to the capital fund account.

During the period, two major projects, **Sankara Nethralaya Diabetic retinopathy Epidemiology and Molecular Genetics Study (SNDREAMS II & III)** funded by **Jamsetji Tata Trust, Mumbai** and **Telescreening for Diabetic Retinopathy** funded by **World Diabetes Foundation**, were successfully completed.

Summary of Source and applications are as follows:

Sources	Rupees in Lakhs
1. Cash Surplus	190.47
2. Condemned Assets written off	3.25
	<hr/> 193.72 <hr/>
Applications of Funds	
1. Increase in Fixed Assets	62.80
2. Increase in Net Current Assets	130.92
	<hr/> 193.72 <hr/>



VISION RESEARCH FOUNDATION

The foundation has received a sum of Rs 436.75 lakhs as research grants and Rs. 75.36 lakhs as project grants during the year under review as per the details given below

	Rs. in Lakhs	
Research Grants	2010-11	2009-10
1. Council of Science & Industrial Research	24.25	40.07
2. Indian Council of Medical Research	96.11	82.05
3. Department of Biotechnology	106.74	58.91
4. Department of Science & Technology	28.95	10.48
5. Department of Atomic Energy	19.88	-
6. Life Sciences Research Board	3.69	-
6. Kendle India Pvt. Ltd	22.58	15.45
7. Allergan Pharmaceuticals Dev. Center (I) P. Ltd	9.96	10.24
8. Quintiles Research (India) Pvt Ltd	-	1.28
9. Siro Clinpharma Pvt. Ltd.	2.24	4.51
10. Others	37.02	29.35
11. National Childhood Cancer Foundation	21.07	16.02
12. Alcon Laboratories India Pvt. Ltd	8.68	-
13. Cheet Foundation	2.48	2.37
14. Novartis India Ltd	5.80	2.82
15. Johnson & Johnson	43.07	38.65
16. World Health Organization	4.23	-
Total	436.75	312.20
Project Grants		
17. World Diabetes Foundation	4.59	13.78
18. Chennai Willingdon Corporate Foundation	36.63	36.22
19. Jamsetji Tata Trust	34.14	143.15
Total	75.36	193.15
Grand Total	512.11	505.35



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 2011-12 (Value in Rs.)
Development of a simple fluorescent assay for serum LOX activity.(P.I: Dr. K N Sulochana)	Indian Council of Medical Research	680,000.00
Design and development of small therapeutic peptide to target Angiogenesis by regulating LOX (PI: Dr. K N Sulochana)	Council of Scientific & Industrial Research	1,112,000.00
Investigating the therapeutic potential of Lysyl oxidase propeptide in angiogenesis and tumorigenesis (P.I: Dr. K Coral)	Dept. of Science & Technology	627,800.00
Characterization of a novel 88 kDa protein found in patients with Eales' disease (P.I: Dr. Subbulakshmi J)	Indian Council of Medical Research	1,105,800.00
Development of therapeutic peptides from small proteoglycan leucine rich repeat family for the inhibition of tumor angiogenesis. (P.I: Dr. K N Sulochana)	Dept. of Biotechnology	1,000,800.00
Role of adiponectin on the integrity of Blood retinal barrier during diabetic retinopathy using an in vitro 3D cell culture (P.I: Dr. Subbulakshmi J)	Dept. of Biotechnology	1,900,000.00
Gene mapping for Ushers syndrome by micro-chip based whole genome scan.	Dept. of Biotechnology	4,690,000.00
Tissue-wide transcriptome profiling and development of comprehensive Neuroinformatic Repository in unraveling molecular pathways of Glaucomatous Neurodegeneration	Dept. of Biotechnology	6,808,400.00
A comprehensive analysis of microphthalmia & anophthalmia candidate genes in indian population	Indian Council of Medical Research	2,816,526.00
Molecular genetic profiling of ocular developmental anomalies in the Indian population	Dept. of Science & Technology	2,752,800.00
<i>In silico</i> drug target identification and virtual screening of inhibitors derived from natural products for <i>Chlamydia trachomatis</i> and other <i>Chlamydial</i> species	Dept. of Information Technology	2,485,000.00
<i>In silico</i> screening of Indian Anticancer Compounds for its efficacy in modulating Uveal Melanoma mediated Metastasis and <i>In vitro</i> Validation through Cell Line Based and Functional Assays	Dept. of Ayush	2,030,800.00



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Title of the Project	Funding Agency	Grant Amount for 2010-11 (Value in Rs.)
An in vitro study on the signaling cascade occurring in human corneal epithelial cell line targeted with Hepatitis C virus (HCV) and a clinico-molecular microbiological study on HCV associated with kKrato conjunctivitis sicca and Sjogren's syndrome (P.I: Dr. J Malathi)	Indian Council of Medical Research	3,227,048.00
To develop illuminate based array system for the detection/ genotyping and anticipate clinical response of Human Hepatitis C virus (HCV) (P.I: Dr. J Malathi)	Indian Council of Medical Research	2,749,900.00
Standardization and application of PCR and Genotyping of Toxoplasma Gondii from lens aspirate and peripheral blood leucocytes of Congenital cataract patients. (P.I.: Dr. B Mahalakshmi)	Dept. of Science & Technology	1,970,000.00

During the year, Research & Ethics Sub-Committee met five times.

Manpower Details :-

<u>Manpower</u>	<u>As on 31st Mar 2011</u>	<u>As on 31st Mar 2010</u>
Directors	06	04
Senior Research Fellows	19	15
Junior Research Fellows	12	12
Research Fellows	01	03
Lab Technicians	08	14
Senior Scientists	04	05
Junior Scientists	11	08
Staff / Technicians	34	44
Professors	03	04
Lecturers	01	02
Readers	03	03
Post Doctoral Fellow	03	01
Research Coordinator	01	0
Part Time Scientists	52	50
Total	158	165



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Conclusion:

I would like to take this opportunity to place on record my gratitude for all the guidance extended to me by the President Dr H N Madhavan, Vice 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, Mr. V Vaidyanathan, Chief Operating Officer, Dr. Kris S. Vasan and Chief General Manager of Medical Research Foundation, Mr. P R Ravindran. Dr. Lingam Gopal, Director of Research, Vision Research Foundation had opted to go on sabbatical leave for a period of 3 years. Consequent to this, Dr. Ronnie Jacob George was appointed as Director of Research, Vision Research Foundation and Dr. S Krishnakumar as Deputy Director of Research, Vision Research Foundation with effect from 01.04.2011.

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.

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. S S Badrinath made key note address on "Meet success first" to the fresh entrepreneurs at the Indo-American Chamber of Commerce, Chennai on 29th April 2010.
- ❖ Dr. N. Angayarkanni received the "ICMR International Fellowship" under young biomedical scientist to spend 3 months at University of New Mexico, Alberquerque, USA from 18th Feb to 17th May 2010.
- ❖ Dr. S S Badrinath was felicitated by the Rotary Club of Chennai Galaxy, Chennai, on 27th June 2010.
- ❖ Dr. Lingam Gopal was elected as Member of Board of Studies in Research by the Dr. MGR Medical University, Chennai.
- ❖ The first Patent certificate for Vision Research Foundation granted to Vision Research Foundation by the Patent office Chennai, Government of India for an invention entitled "A Semi nested Polymerase Chain Reaction (PCR) For Rapid Detection And Specific Identification Of *Mycobacterium fortuitum*". The inventors are Dr. K. Lily Therese, Ms. Jasmine Therese and Dr. H.N. Madhavan.
- ❖ The second patent granted to Vision Research Foundation by the Patent office Chennai, Government of India, for an invention entitled "A Semi nested Polymerase Chain Reaction (PCR) Method For Rapid Detection And Specific Identification Of *Mycobacterium Chelonae*". The inventors are Dr. K. Lily Therese, Ms. Jasmine Therese and Dr. H.N. Madhavan.
- ❖ Dr. J Biswas received the AIOS award for "*Ophthalmic Tele Pathology Concept and Practice*" at the 69th Annual Conference of All India Ophthalmological Society, Ahmedabad held between 3rd and 6th February 2011.
- ❖ Limca Book of Records saluted ***Sankara Nethralaya for extraordinary skill in the field of eye care*** on 28th June 2010. We are proud to be a part of the Limca Book of Records Family.
- ❖ A Monograph authored by Dr. H N Madhavan and Sowmya Parameswaran entitled "*Human Cytomegalovirus: Molecular Methods for Diagnosis and study of strain variations*" has been published by LAB LAMBERT Academic Publishers, United Kingdom.
- ❖ The third Patent Certificate for Vision Research Foundation granted for an invention entitled "A method for Cultivating Cells derived from Corneal Limbal Tissue and Cultivation method using Mebiol gel (Thermoreversible polymer)" provided by Professor Y. Mori of Waseda University Tokyo, Japan" on 14th June 2010. Dr. H. N. Madhavan is the inventor of this patent.
- ❖ Dr. Lingam Gopal was the Visiting Scholar of LV Prasad Eye Institute, Bhubaneswar from 28th June to 3rd July 2010.
- ❖ Ms. R. Gayathri, Ms. M. Sowmiya, Ms. R.Gayathri and Ms. A V Saijyothi received the *travel fellowship grant* to attend the Indian Eye Research Group (IERG) meeting to be held at L V Prasad Eye Institute, Hyderabad from 31st July - 1st August 2010.



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- ❖ Dr. S S Badrinath was conferred the *"Achiever's Award"* for his relentless pursuit in providing quality and affordable eye care to the people of India at the Loyola World Alumni Congress 2010, Chennai on 28th August 2010.
- ❖ Dr. T S Surendran was elected as the *President of Strabismological Society of India* for the second term.
- ❖ Dr. H N Madhavan received 4th Patent for the invention of "A multiplex Polymerase chain reaction for rapid detection and specific identification of Cytomegalovirus". Dr. H. N. Madhavan is the inventor of this patent.
- ❖ Dr. K. Coral presented a paper on "Role of homocysteine in vascular diseases" for Swarnalatha Punshi on 21.8.10, Awarded for her research paper for Swarnalatha Punshi at Sanakra Nethralaya.
- ❖ Ms. M. Vimalin Jeyalatha received the *Ranbaxy Laboratories Ltd. Immuno Diagnostic Division Endowment award* (Clinical Immunology) during the Graduation ceremony held on 13th September 2010.
- ❖ Ms. L. Dhanurekha received the Bangalore Genei Pvt. Ltd. *Endowment award* (Clinical Genetics) during the Graduation ceremony held on 13th September 2010
- ❖ Dr. J Biswas received a *Gold Medal for his Excellence in Ophthalmology* at the Uttarakhand Ophthalmological Society Meet at Dehradun on 22nd October 2010.
- ❖ Dr. Lingam Gopal received *"Dr C Shekhar Grover Oration Award"- "Intricacies of Vitreoretinal Surgery"* at the Uttarakhand State Ophthalmological Society Meet held at Dehradun on 24th October 2010.
- ❖ Dr. Lingam Goal received the *Dr Alexander Gold Medal Oration Award* for "Recent Advances in Retinopathy of Prematurity at the Kerala State Ophthalmic Society Meet, Kochi on 27th November 2010.
- ❖ Dr. J Biswas was selected as a Member of the Editorial Board of the Peer Reviewed Indexed Journal on Ocular Immunology and Inflammation in November 2010.
- ❖ Dr. Lingam Gopal received the *"Hayreh Award – 1st Recipient of this Award"- "Management of Retinal Detachment Secondary to Coloboma of the Choroid"* at the Annual Conference of Vitreoretinal Society of India held at Mysore from 2nd to 4th December 2010.
- ❖ Dr. J Biswas received the *Prestigious Fellowship of Indian College of Pathologist (FIC)* at the 59th Annual Meeting of Indian Association of Pathologist and Microbiologist, Hyderabad held on 9th December 2010.
- ❖ Ms. S. Vidhya received the B.S.Narasinga Rao Award for the Best Poster in the 79th SBCI meeting held at Bangalore from 13-15th Dec 2010
- ❖ Dr. S S Badrinath was conferred *Doctor of Science Honoris Causa Award* by Missouri University, United States on 18th December 2010.
- ❖ Dr. Rashmin Gandhi received the *CNBC-TV 18's India Healthcare Awards 2010 for Sankara Nethralaya – The Best Hospital in the country* at the function held at Mumbai on 20th December 2010.



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- ❖ The fourth Patent Certificate granted to the patentee Vision Research Foundation by the Patent office Chennai, Government of India for an invention entitled "A multiplex Polymerase chain reaction for rapid detection and specific identification of Cytomegalovirus". Dr. H. N. Madhavan is the inventor of this patent.
- ❖ Sankara Nethralaya received LIC Awards by Zee TV "Honouring the Healing Hands-Sankara Nethralaya" - A Zee News Initiative.
- ❖ Ms. R.Selvi received Travel Grant Fellowship for attending the Asia-ARVO Conference at Singapore Jan 2011.
- ❖ Dr. L Vijaya received *AIOS Platinum Award 2011* for the IJO Paper Published in 2010 – Outcomes of Surgery in Rural and Urban Population, Chennai Glaucoma Study at the 69th All India Ophthalmological Conference 2011 at Ahmedabad held between 3rd – 5th February 2011.
- ❖ Dr. S S Badrinath received the *Public Service Excellence Award – 2010* from All India Management Association on 21st February 2011.
- ❖ Dr. Subbulakshmi awarded with a 3 months fellowship from Japanese Society for promotion of Science, (JSPS fellowship) for learning live tissue imaging using 2-photon microscopy at the University of Hokkaido, Sapporo, Japan from 1st Dec to 28th Feb 2011.
- ❖ Ms. S. Vidhya received Best Poster Award Runner up in the National Symposium at BITS, Pilani from 12th to 13th March 2011.
- ❖ Ms. Iyer Gomathy Narayanan received the Best Poster Award Runner up at the National Symposium at BITS, Pilani from 12th to 13th March 2011.
- ❖ Dr. S S Badrinath conferred Lifetime Achievement Award by M V Hospital for Diabetes on 13th March 2011.
- ❖ Dr. J Biswas received *the Prestigious APAO Achievement Award* at the 26th Asia Pacific Academy of Ophthalmology Congress held at Sydney between 20th and 24th March 2011.



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RESEARCH PUBLICATIONS

- ❖ A study on the incidence and microbiological analysis and investigations on the source of postoperative infectious endophthalmitis in a tertiary care ophthalmic hospital- An eight year study. *Malathi J , Madhavan HN, Margarita S, Parameswaran Suresh Kumar, Lysa Sagar.* Indian Journal of Ophthalmology, 2010, 58:297 -302
- ❖ Infectious etiology of congenital cataract based on TORCHES screening in a tertiary eye hospital in Chennai, Tamilnadu. *Mahalakshmi B, Therese KL, Devipriya U, Pushpalatha V, Margarita S, Madhavan HN.* Indian Journal of Medical Research, April 2010, 131, 20-25
- ❖ Outcomes of cataract surgery in a rural and urban South Indian Population. *Lingam Vijaya, Ronnie George, Rashima Asokan, Prema Raju, Hemamalini Arvind, Mani Baskaran, S.Ve.Ramesh.* Indian Journal of Ophthalmology, 2010; 58: 223-228.
- ❖ The Chennai glaucoma study: Prevalence and risk factors for glaucoma in cataract operated eyes in urban Chennai. *Ronnie George, Hemamalini Arvind, Mani Baskaran, S.Ve.Ramesh, Prema Raju, Lingam Vijaya.* Indian Journal of Ophthalmology, 2010; 58: 243-245.
- ❖ Rhegmatogenous retinal detachment associated with myelinated nerve fibers: a case report. *Gopal Lingam, Paul, Subhankarsri Sen Parveen Khetan Vikas.* Retinal Cases and Brief Reports. 4(2):158-159, Spring 2010
- ❖ Lens-sparing pars plicata vitrectomy for stage 4 retinopathy of prematurity. – Authors' reply. *Dr. Pramod S Bhende, Lingam Gopal, Tarun Sharma, Aditya Verma, Rupak Kanti Biswas.* Indian Journal of Ophthalmology. Vol.58 No.3; May-June 2010-255-256.
- ❖ Uveal melanoma presenting as staphyloma and cataract-Authors' reply. *Dr. Vikas Khetan, Kshanada Gupta, Mohan E Ravindra, Gopal Lingam.* Indian Journal of Ophthalmology. Vol.58 No.3; May-June 2010-257.
- ❖ Absence of diabetic retinopathy in a patient who has had diabetes mellitus for 69 years, and inadequate glycemic control: case presentation. *Raman R, Gupta AG.* Diabetology Metab Syndrome; 2010 Mar 25;2(1):20.
- ❖ Effect of illumination on colour vision testing with Farnsworth-Munsell 100 hue test: customized colour vision booth versus room illumination. *Zahiruddin K, Banu S, Dharmarajan R, Kulothungan V, Vijayan D, Raman R, Sharma T.* Korean J Ophthalmology 2010;24(3):159-62.
- ❖ Blow-in fracture of the orbital roof presenting as a case of non-resolving choroidal effusion. *Bipasha Mukherjee, Muna Bhende.* Indian Journal of Ophthalmology. Vol.58 No.4. July-August 2010:331-332.
- ❖ CDKN1C (p57KIP2) expression in human retinoblastomas. *Madhavan J, Mallikarjuna K, Vikas K, George R, Rod B, Kumaramanickavel G.* Ophthalmic Genetics 2000.
- ❖ Prevalence of Refractive Errors and Associated Risk Factors in Subjects with Type 2 Diabetes Mellitus SN-DREAMS. *Rani PK, Raman R, Rachapalli SR, Kulothungan V, Kumaramanickavel G, Sharma T.* Ophthalmology 2010
- ❖ Internal ophthalmoplegia after retinal laser photocoagulation. *Raman R, Ananth V, Pal SS, Gupta A.* Cutan Ocular Toxicology 2010



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- ❖ Ophthalmic telepathology: Concept and practice. *Biswas J, Das D, Vijayanthi P.* Indian J Ophthalmol.2010; 53(3):577-578.
- ❖ Antibiotic Susceptibility Pattern of Rapidly Growing Mycobacteria (RGM). *Gayathri R, Therese KL, Deepa P, Mangayarkarasi S, Madhavan HN.* Journal of Post Graduate Medicine 2010; 56:76-8.
- ❖ Isolated Unilateral Infiltrative Cryptococcal Optic Neuropathy in an Immunocompetent Individual. *Akshay Gopinathan Nair, Vimal Fudhawala, Deepak Arjundas, Veena Olma Noronha, J. Malathi, Lily Therese and Rashmin A Gandhi.* Neuro-ophthalmology 2010: 34(4), 314 -318.
- ❖ New Endothelial Keratoplasty, phacoemulsification, and intraocular lens implantation triple procedure: Comparison with conventional triple procedure. *Prema Padmanabhan, Sonali Kisan Warade, Kunjal Sejpal* Journal of Cataract and Refractive Surgery 2010;36:1142-11.
- ❖ Multifocal Electroretinogram in desferrioxamine-related macular toxicity. *Parveen Sen, Muna Bhende, Priya Ravi, Rupak Roy.* Retinal Cases & Brief Reports 2010;4(3):224-228.
- ❖ Spontaneous closure of a posttraumatic scleral fistula in an atypical choroidal coloboma. *Dr Muna Bhende, Dr Pradeep S.* Retinal Cases & Brief Reports 2010;4(3):268-269.
- ❖ Narrow Angle Ischemic Optic Neuropathy by Acute Angle Closure Glaucoma. *Dr Nikhil S Choudhary, Dr Ronnie George, Dr Vardhaman Kankaria, Dr Sunil G T.* Indian Journal of Ophthalmology 2010.
- ❖ Anterior ischemic optic neuropathy precipitated by the acute primary angle closure. *Nikhil S Choudhary, Ronnie George, Vardhaman Kankaria, Sunil G T.* Indian Journal of Ophthalmology Sep-Oct2010;5:437-440.
- ❖ Management of Glaucoma in Patients with Keratoprosthesis. *Dr. B Shantha.* Journal of Current Glaucoma Practice 2010.
- ❖ Uveal Melanoma with extrascleral extension and systemic metastasis complicating into retinal detachment and cataract formation. *Shivcharan L Chandravanshi, Sujata Lakhtakia, Mahesh K Rathore, Prem C Dwivedi, Jainendra S Rahud, Vikas Khetan, Kshanada Gupta, Mohan E Ravindra Gopal Lingam.* Indian Journal of Ophthalmology 2010.
- ❖ Cystoid Macular Edema after bone marrow transplant. *Vikas Khetan, S Chaudhary, Lingam Gopal.* Indian Journal of Ophthalmology 2010.
- ❖ Intraocular inflammation induced by liquid perfluorocarbon. *Dr Pradeep S, Dr Jay Chablani.* Indian Journal of Ophthalmology 2010.
- ❖ Perimetric severity in hospital-based and population-based glaucoma patients. *S.Ve. Ramesh, Ronnie George, Prema Raju, Devi Sachi, GT.Sunil, Lingam Vijaya.* Clinical and Experimental Optometry 2010.
- ❖ Homocysteinethiolactone and Paraoxonase - novel markers of Diabetic Retinopathy. *Barathi S, Angayarkanni N, Aarthi P, Sulochana KN, Rishi P, Maneesh D, Velpandian T, Charanya, M, Muthukumaran S.* Diabetes care 2010.
- ❖ Amino acids influence the glucose uptake through GLUT4 in CHO-K1 cells under high glucose conditions. *Selvi R, Angayarkanni N, Asma B, Seethalakshmi T, Vidhya S.* Molecular and Cellular Biochemistry 2010.



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- ❖ Chikungunya Virus RNA Identification from Aqueous Fluid in Fuch's Heterochromic Iridocyclitis. *Padmamalini, Madhavan HN, Malathi J.* Indian Journal of Ophthalmology 2010;58(6):545-547.
- ❖ Importance of population-based studies in clinical practice. *Ronnie George, Ramesh S.Ve., V. Lokapavani, A.Rashima, Lingam Vijaya* Indian Journal of Ophthalmology 2011;59(1):S11-18.
- ❖ The Chennai glaucoma study: Prevalence and risk factors for glaucoma in cataract operated eyes in urban Chennai. *Ronnie George, Hemamalini Arvind, M Baskaran, S Ve Ramesh, Prema Raju, Lingam Vijaya.* Indian Journal Ophthalmology 2010;58:243-45.
- ❖ Culture and Characterization of Limbal Epithelial Cells & Oral Mucosal Cells. *Krishnan S, Iyer GK, Krishnakumar S.* Indian Journal of Medical Research 2010;131:422-428.
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VISION RESEARCH FOUNDATION

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- ❖ Comparative Incidence of Adverse Events in 7-Day Extended Wear. *Young, Graeme, Rajeswari Mahadevan, Kathrine E. Osborn*. American Academy of Optometry.
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VISION RESEARCH FOUNDATION

- ❖ Diffuse infiltrating Retinoblastoma with central nervous system metastasis. *Vikas Khetan, Nadia Al-Kharusi, Anuradha Ganesh, Amna Al-Futaisi, Biswas J, Krishnakumar S, Thisrumalairaj Raja*. Arch. Ophthalmol/Vol 129, 3, March 2011.
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- ❖ Pathogenesis and Pathology of Uveitis. *Dr. Aparna A C, Dr. Jyotirmay Biswas*. Tamil Nadu Journal of Ophthalmology Vol.48 Issue 4 Dec 2010.
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- ❖ Viral Retinopathy An Update. *Dr. Sudha K. Ganesh*. Tamil Nadu Journal of Ophthalmology Vol.48 Issue 4 Dec 2010.
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- ❖ Top Ten Articles of the Uvea and Ocular Inflammation. *Dr. Vijay P S Tomar*. Tamil Nadu Journal of Ophthalmology Vol.48 Issue 4 Dec 2010.
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- ❖ Role of imaging in the management of neuro-ophthalmic disorders. *Rashmin A Gandhi, Akshay Gopinathan Nair*. Indian Journal Ophthalmology 2011; 59:111-116.
- ❖ Choroidal neovascularization associated with coloboma of the choroids: A series of three cases. *Muna Bhende, G Suganeswari, Lingam Gopal, Pramod S Bhende, Lekha Gopal, Chetan Rao*. Indian Journal Ophthalmology 2011; 59:148-151.



VISION RESEARCH FOUNDATION

COMPLETED PROJECTS

- ❖ Comparison of Taqman Probe Based Real-Time Polymerase Chain Reaction (RT-PCR) and pp65 antigenemia assay for quantitation of human cytomegalovirus (HCMV) in clinical specimens and a study on ganciclovir resistance of HCMV (Dr HN Madhavan)
- ❖ Gene expression profiling and development of microarray based biomarkers for diabetic retinopathy - a pilot study. Functional genomic study of diabetic retinopathy. (Dr. Lingam Gopal)
- ❖ Efficacy of EpCAM-conjugated drug loaded biodegradable nanoparticles for drug therapy in Retinoblastoma (Dr S Krishnakumar)
- ❖ Phylogenetic analysis of Human Herpes Simplex Virus(HSV) isolates based on DNA sequencing of genes coding for glycoproteins G, I and E,C regions and to determine novel targets to identify the genotypes of HSV (Dr. J..Malathi)
- ❖ Evaluating the Rea Pan B27 Reagent for HLA-B27 Typing in the Context of Diagnosis of Uveitis at Sankara Nethralaya (Dr. K Lily Therese)
- ❖ Sankara Nethralaya Diabetic retinopathy epidemiology and molecular genetics study II (SNDREAMS II): Urban arm. (Dr. Tarun Sharma)
- ❖ Sankara Nethralaya Diabetic retinopathy epidemiology and molecular genetics study III (SNDREAMS III): Rural arm. (Principal investigator: Dr. Tarun Sharma)
- ❖ Molecular genetics of Corneal Dystrophy - Mutational Screening of SLC4A11 and COL8A2 gene in Fuch's Corneal Dystrophy (FCD) and Linkage analysis in FCD affected Families. (Dr. Rama Rajagopal)
- ❖ Gene mapping for Myopia and identification of environmental risk factors for myopia progression in subjects with genetic susceptibility (Dr. S Sripriya)
- ❖ India US Genetic Study of Ocular Quantitative Traits (Dr. Ronnie George)
- ❖ Modelling the need for Diabetic Retinopathy screening in India (Dr. R R Sudhir)
- ❖ Proteomic Profiling for Retinoblastoma progression: Different display analysis for the expression of intracellular proteins between non-invasive and invasive tumors and tumor cell lines (Dr S Krishnakumar)
- ❖ To evaluate the in vitro efficacy of PLGA-nanoparticles encapsulated with chemotherapeutic drugs to induce apoptosis in Y79 retinoblastoma cell line (Dr S Krishnakumar)
- ❖ To identify and characterize the Retinal stem/progenitor properties of Human Iris Pigment Epithelial (IPE) cells and Ciliary Epithelial (CE) cells in vitro (Dr S Krishnakumar)
- ❖ Developing Molecularly Targeted Polymer nanoparticles for cancer diagnostics and therapeutics (Dr S Krishnakumar)
- ❖ Clinical Evaluation of Punctum Size Changes Following Punctal Plug Use (Dr. Ronnie Jacob George)



VISION RESEARCH FOUNDATION

- ❖ A 12-Month Randomized, Pilot study to compare the efficacy and safety of PDT (Standard fluence) with intravitreal Lucentis versus of PDT (Reduced fluence) with intravitreal Lucentis. (Dr Tarun Sharma)
- ❖ A 24 Week Multicenter, Randomized, Double –masked, Placebo controlled study to assess the difference in the rate of recurrent exacerbations in Behcet's patients with posterior or panuveitis treated with AIN457 vs Placebo adjunctive to standard-of-care immunosuppressive therapy - Protocol No: CAIN457C2303 (Dr Jyotirmay Biswas)
- ❖ Clinical Evaluation of Silicone Hydrogel Lenses in 7-day Extended Wear (Mrs M R Rajeswari)
- ❖ Comparison of Visual and Optical performance of soft toric and rigid gas permeable contact lenses. (Mrs. M.Rajeswari)
- ❖ Chennai Eye Disease Incidence Study (Dr. L Vijaya)
- ❖ Telescreening for Diabetic Retinopathy (Dr. Rajiv Raman)
- ❖ Development of DNA Macro-chips for the Simultaneous Detection of Pathogens Causing Acute Encephalitic Syndrome (AES), Septicaemia and Antibiotic Resistance (Dr HN Madhavan)
- ❖ Ultrasound Biomicroscopy – Static and dynamic quantitative customized evaluation in primary angle closure disease – A Pilot study. (Dr B Shantha)
- ❖ A Randomized, Double-Masked, Parallel Group, Multicenter, Dose-Finding Comparison of the Safety and Efficacy of ASI-OO1A 0.5 µg/day and ASI –001B 0.2 µg/day Fluocinolone Acetonide Intravitreal Inserts to Sham Injection in Subjects with Diabetic Macular Edema (Dr Tarun Sharma)
- ❖ A 28 –Week Multicenter, Randomized, Double Masked, Placebo Controlled, Dose-ranging Phase III study to assess AIN457 versus Placebo in inducing and maintaining Uveitis Suppression in adults with active, Non-infectious, intermediate, Posterior or Panuveitis requiring immunosuppression (INSURE Study) (Dr Jyotirmay Biswas)
- ❖ Working Distance of Indian Pre-presbyopes (Dr L S Varadharajan)



VISION RESEARCH FOUNDATION

ONGOING PROJECTS – 2010-11

- ❖ Nucleic acid based amplification techniques for detection, identification, Quantitation and genotyping of *Pneumocystis jiroveci* and a study on drug resistance of *Pneumocystis jiroveci* targeting the Dihydropteorate gene (Dr. K. Lily Therese)
- ❖ 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)
- ❖ 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)
- ❖ Development of matrices using sel mel PHA produced of indigenous *pseudomonas* spLDC-5 (Dr. H. N. Madhavan)
- ❖ Tear Proteomics profile in Rheumatoid Arthritis patients associated with and without Dry Eye Syndrome (Dr. Angayarkanni N)
- ❖ Studies on Thiolation and Homocysteinylation of serum proteins in the two retinal diseases- Age related macular degeneration and Eale's disease. (Dr. Sulochana KN)
- ❖ Identifying compounds which potentially inhibit matrix metalloproteinases 2 and 9 : therapeutic application for retinal diseases. (Dr. Angayarkanni N)
- ❖ Experimental study on the potential anti-glycating effects of a novel mixture of amino acids on hyperglycemia induced retinal changes (Dr. Angayarkanni N)
- ❖ Effect of the pesticide chlorpyrifos on the proteome of human retinal pigment epithelial cell line (ARPE-19). Effect of cyto protective agents on chlorpyrifos induced cytotoxicity. (Dr. Angayarkanni N)
- ❖ Development of siRNA by targeting copper regulators to control angiogenesis (Dr. Sulochana K N)
- ❖ Role of adiponectin on the integrity of Blood retinal barrier during diabetic retinopathy using an in vitro 3D cell culture (Dr. Subbulakshmi C)
- ❖ Design and development of small therapeutic peptide to target Angiogenesis by regulating LOX (Dr. Sulochana KN)
- ❖ Investigation into the role of lipids, brain-derived neurotrophic factor (BDNF), and vascular endothelial growth factor (VEGF) in Diabetic Retinopathy. (Dr. N. Angayarkanni)
- ❖ Role of Lysyl oxidase and Homocysteine in the aqueous humor and plasma of patients with Pseudoexfoliation syndrome (Dr. N. Angayarkanni)
- ❖ Adiponectin as a “therapeutic target” For Diabetic Retinopathy for ocular angiogenesis (Dr. K.N. Sulochana)



VISION RESEARCH FOUNDATION

- ❖ 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)
- ❖ Emerging self-sustained patterns of intercellular calcium waves in co-cultures of neurons and glia: An experimental investigation (Dr. Nivedita Chatterjee)
- ❖ Investigating the regulation of cytokine profile in Muller glia by endocannabinoids (Dr. Nivedita Chatterjee)
- ❖ Development of stealth nanoimmunoliposomes for si- RNA delivery against EpCAM expressing epithelial cancers (Dr. S Krishnakumar)
- ❖ National retinoblastoma registry (Dr. Vikas Khetan)
- ❖ To study the RNAi mediated HMGA2 gene expression profile of Y79 cells. (Dr. S. Krishnakumar)
- ❖ To study the effect of Tiam1 siRNA on Tumor cell survival and proliferation in Retinoblastoma.(Dr.Jothirmay Biswas & Dr.S Krishnakumar)
- ❖ Functional coupling in a glial syncytium:investigating the immuno-modulatory effects of myelin protein challenge (Dr. Nivedita Chatterjee)
- ❖ Targeted Gold Nanoparticle Conjugates for *RNAi* Delivery (DBT-RGYI scheme) (Dr. S Krishnakumar)
- ❖ Developing tools for dynamical modeling of C.elegans neuronal network activity (Dr. Nivedita Chatterjee)
- ❖ A Novel tissue engineering approach for Bio-Engineering corneal epithelial cells from Non-Ocular epithelial cells. (Dr. S. Krishnakumar)
- ❖ Targeted radioiodine therapy using EpCAM promoter guided sodium iodide symporter gene transfection in treating EpCAM positive cancers (Dr. S. Krishnakumar)
- ❖ Assessing influence of different scaffolds on immunogenicity of corneal epithelial cells. (Dr. Geetha K Iyer)
- ❖ To investigate the expression of micro RNAs with deregulated host genes accompanying RNAi of EpCAM in Retinoblastoma. (Dr. S. Krishnakumar)
- ❖ Effect Of Antioxidant Peptides In Modulating The Reactive Oxygen Species In Retinoblastoma Cell Line Through Nanoparticles (Dr. S Krishnakumar)
- ❖ To understand the role of Micro RNA in drug resistant, Retinoblastoma cells (Dr. Vikas Khetan)
- ❖ Phase I Clinical Trial: Subconjunctival carboplatin in fibrin sealant in patients with advanced retinoblastoma. (Dr.Lingam Gopal)
- ❖ Tissue specific cytotoxicity mediated by Nano particle delivered suicidal Gene therapy. (Dr S Krishnakumar)



VISION RESEARCH FOUNDATION

- ❖ Bardet-Biedl Syndrome: molecular epidemiology and identification of novel genes in the Indian cohort (Dr. S Sripriya)
- ❖ 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. J Madhavan)
- ❖ Characterisation of consanguineous LCA families- a homozygosity based approach Principal Investigator: Dr. J Madhavan
- ❖ Molecular Diagnostics of LCA – A chip based re-sequencing approach Principal Investigator: Dr. J Madhavan
- ❖ Molecular and Histological analysis of neurological disorders associated with mitochondrial DNA mutations Principal Investigator: Dr. J Madhavan
- ❖ Molecular Basis of X-Linked Juvenile Retinoschisis: mutational screening of RS1 gene and functional characterization of the identified mutations (Dr. A J Pandian)
- ❖ A Multicenter, Open-label Study to Evaluate the Safety and Efficacy of Twice –daily 0.01%Bimatoprost / 0.15Brimonidine / 0.5%Timolol Ophthalmic Solution(Triple Combination) in Patients in India, who have Glaucoma or Ocular Hypertension with Elevated IOP and are on Twice –daily 0.2%Brimonidine / 0.5%Timolol ophthalmic Solution(Dual Combination)Therapy. (Dr.B.Shantha)
- ❖ A 3-year, Phase 3, Multicentre, Masked, Randomized, Sham-Controlled Trial to Assess the Safety and Efficacy of 700 µg and 350 µg Dexamethasone Posterior Segment Drug Delivery System (DEX PS DDS) Applicator System in the Treatment of Patients with Macular Edema (Dr Muna Bhende)
- ❖ A randomised, double masked, active controlled, phase 3 study of the efficacy, safety, and tolerability of repeated doses of intravitreal VEGF Trap-Eye in subjects with neovascular age-related macular degeneration (AMD) (Dr Tarun Sharma)
- ❖ A study of Unilateral Retinoblastoma with and without histopathologic high-risk features and the role of adjuvant chemotherapy. Phase 3 study. (Dr Vikas Khetan)
- ❖ An international multicentric phase II single-agent study of periocular Topotecan for recurrent or progressive intraocular retinoblastoma (Dr Vikas Khetan)
- ❖ Clinical Evaluation of an investigational contact lens in 7-day extended wear (Dr.Bhaskar Srinivasan)
- ❖ Clinical Evaluation Of Acuvue 2 Contact Lenses In 7-Day Extended Wear (Mrs. M.Rajeswari, Dr.Bhaskar Srinivasan)
- ❖ An Open-Label, Single-Center Study of the Intraocular Pressure Lowering Effect of Lumigan® (Bimatoprost Ophthalmic Solution) 0.03% in Treatment Naive Subjects Compared to Subjects on Prostaglandin Monotherapy. (Dr. Ronnie Jacob George)



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- ❖ A 24-week multicenter, randomized, double-masked, placebo controlled, dose-ranging phase III study of AIN457 versus placebo for maintaining uveitis suppression when reducing systemic immunosuppression in patients with quiescent, non-infectious intermediate, posterior or panuveitis. (ENDURE Study) (Dr Jyotirmay Biswas)
- ❖ Impact of nepafenac 0.1% on reducing the risk of macular edema in diabetic patients (Dr. Prema Padmanabhan)
- ❖ Visual functions in computer users with migraine. (Dr. L. S. Varadharajan)
- ❖ Changes in Colour and Spatial Vision Following Cataract Surgery (Dr. L. S. Varadharajan)
- ❖ Early Detection of Diabetic Retinopathy (Dr L S Varadharajan)
- ❖ Effect of Contrast and Noise on Letter Legibility (Dr L S Varadharajan)
- ❖ Characterization and Correction of foveal and parafoveal aberrations in human subjects with adaptive optics (Dr L S Varadharajan)
- ❖ Platelet activation:assessment and quantification in patients with retinal vascular occlusion by the use of molecular markers- CD62P and CD41- pilot study. (Dr.Doreen Gracias & Dr.S.B Vasanthi)
- ❖ Protocol CRFB002F2301- A 12 month, phase iii, randomized, double-masked, multi-center, active-controlled study to evaluate the efficacy and safety of two different dosing regimens of 0.5mg ranibizumab vs. verteporfin PDT in patients with visual impairment due to choroidal neovascularization secondary to pathologic myopia. (Dr. Tarun Sharma)
- ❖ Impact of Low Vision Care in Children with Multiple Disabilities and Visual Impairment (MDVI) (Dr R Krishna Kumar)
- ❖ Symptom Survey among Hospital Based Pseudomyopic Subjects (Dr R Krishna Kumar)



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PARTICIPATION IN THE CONFERENCE

- ❖ Dr. Lingam Gopal attended the Investigators' Meeting at Bangalore from 2nd to 3rd April 2010.
- ❖ Dr. H. N. Madhavan was invited for a meeting with Dr. Katoch, Director- ICMR in the TRC, Chetput on 7th April 2010.
- ❖ Prof. K.N. Sulochana delivered an invited lecture on "Angiogenesis and Pharma Industry" for the B.Tech. students in IIT, Chennai on 8th April 2010.
- ❖ Dr Prema Padmanabhan attended the World Cornea Congress at Boston from 7th to 9th April 2010 and gave a talk on Fellow Eyes of Unilateral Keratoconus or are they really normal.
- ❖ Dr. Prema Padmanabhan attended the American Society of Corneal and Refractive Surgery Meet at Boston from 10th to 14th April 2010 and gave a lecture on "A comparison of limbal outcome following conventional and new triple procedure".
- ❖ Dr. Lingam Gopal participated in the Ret Net Meet at Delhi on 11th April 2010.
- ❖ Dr. K. Lily Therese attended a doctoral committee meeting, for a Ph. D student under Dr. Shankaran, Biotechnology department which was held at Anna University at 3.00 pm on 9th April 2010
- ❖ Dr. H. N. Madhavan attended the Brain storming session conducted by C- Star (Common Wealth - Science and Technology Academy for Research) to form global guidelines to "WORLD ACCREDITATION COUNCIL FOR RESEARCH" held on 10th April 2010 at Chennai.
- ❖ Ms. R Selvi attended the Workshop on "Ethics in Biomedical" in the National Institute of Epidemiology (ICMR) AIDS prevention and control (AOAX) project (VHS), Ayapakkam, Chennai on 29th & 30th April 2010.
- ❖ Dr. J Biswas attended the Editorial Board Meeting of Indian Journal of Ophthalmology and research methodology workshop, Mumbai from 30th April to 2nd May 2010.
- ❖ The ARVO Research Conference 2010 was attended by Dr Lingam Gopal, Dr Rajiv Raman, Dr. Ronnie George, Dr Anyarkanni N, Dr Mamata G & Dr Krishna Kumar S from 2nd to 6th May 2010 at Fort Lauderdale, USA.
- ❖ Dr. K. Lily Therese presented a lecture on "Infection control practices" on 12th May 2010, during Nurses day celebration.
- ❖ A camp was organized by Dr Rashmin Gandhi, Lion Hari Narayan, Dr Pukhraj Rishi, Dr Bipasha Mukherjee & Dr Subhra Goel at Nairobi, Kenya from 21st to 25th May 2010.
- ❖ Dr. J Biswas attended the Bangladesh Uveitis Society Meeting at Bangladesh from 25th to 30th May 2010.
- ❖ Dr Tarun Sharma attended the Novartis Investigators Meet at Singapore on 28th & 29th May 2010.



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- ❖ Dr. B. Mahalakshmi presented a poster entitled "Evaluation Of Nested PCR against Witmer Desmonts' Coefficient on Aqueous humor for Diagnosis Toxoplasmosis in HIV Positive Patients and Genotyping of Toxoplasma Gondii" on May 4th 2010 at ARVO 2010 Annual meeting (2nd to 6th May 2010) in Fort Lauderdale, Florida and thereafter underwent three weeks training programme at National Institute of Health, Bethesda, Maryland, USA (10th to 29th May 2010) under Dr. Alan Sher and Dr. Michael Grigg.
- ❖ Dr. H. N. Madhavan delivered an invited lecture on "Adenoviral Conjunctivitis" at Alcon Investigator meeting – India, at Mumbai on 28th & 29th May 2010.
- ❖ Dr Tarun Sharma attended the "Ophthalmology Tomorrow", Annual Conference of Indore Divisional Ophthalmological Society, from 5th to 6th June 2010.
- ❖ Dr. J. Biswas participated in the World Ophthalmology Congress, at Berlin from 5th to 9th June 2010.
- ❖ Dr. Vikas Khetan attended the World Ophthalmology Congress at Berlin from 5th to 9th June 2010 and gave a lecture on Retinoblastoma in developing countries.
- ❖ Annual Refractive Surgeons Meet was attended by Dr. Prema Padmanabhan at Dublin, Ireland from 24th to 27th June 2010.
- ❖ Ms. H. Manjula, Lab technician, Microbiology department attended the 5S training programme conducted for Lab staff on 30th June 2010 at Andhra Chamber of Commerce, Chennai.
- ❖ Ms. S. Prasanna, Junior Executive, Microbiology department attended the NABL internal auditor training programme held at Ramachandra Hospital, Chennai from 7th to 10th July 2010.
- ❖ Dr Lingam Gopal attended the Allergan National Advisory Board Meeting at Delhi on 18th July 2010.
- ❖ Dr. K. Lily Therese conducted the Ph. D. Public Viva - Voce Examination of Ms. B. Malathi for her thesis entitled "Molecular characterization of beta hemolytic streptococci in Chennai with special reference to RFLP Profiles and EMM types" on 23rd July 2010 in the Department of Microbiology, Dr. ALM PGIBMS, University of Madras, Taramani, Chennai.
- ❖ Dr. B. Mahalakshmi and Ms. R. Gayathri attended one day CME Programme conducted under the banner of IAMM at Kanyakumari Medical College at Nagercoil on 29th July 2010.
- ❖ Dr J Biswas, Dr Muna Bhende, Dr Pradeep S , Dr Chetan Rao, Dr Vikas Khetan, Dr Manish Pandey, Dr Sripriya Krishnamoorthy, Dr Suchitra Pradeep, Dr Kasinathan N, Dr Rajiv Raman, and Dr Suganeswari participated in the 58th Annual Conference of Tamil Nadu Ophthalmic Association at Salem from 29th to 31st July 2010.
- ❖ Dr. J. Malathi, Ms. R. Gayathri and Ms. M. Sowmiya from Microbiology Department attended the Indian Eye Research Group (IERG) meeting held at L V Prasad Eye Institute, Hyderabad from 31st July - 1st August 2010.
- ❖ Dr. Subbulakshmi, Ms. R Selvi, Ms. R Gayathri, Ms. S Barathi, Ms. Sai Jyothi & Ms. Bharath Selvi participated in the Indian Eye Research Group (IERG) Conference held at Hyderabad from 31st July to 1st August 2010.



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- ❖ Dr S Krishna Kumar attended the Indian Eye Research Group (IERG) meeting held at L V Prasad Eye Institute, Hyderabad from 31st July - 1st August 2010 and gave a talk on Epcam, myself and the continuing journey.
- ❖ Ms Vandhana & Ms. Nirmala participated in the Indian Eye Research Group (IERG) meeting held at L V Prasad Eye Institute, Hyderabad from 31st July - 1st August 2010. Ms. Vandana made a paper presentation on Lipogenic Enzyme-Inhibitor Cerulenin Shows Pro-Apoptotic And Anti-Proliferative Activity In Retinoblastoma Y79 Cells and Ms Nirmala made a paper presentation on To Study The Efficacy Of Nanoparticle Conjugated Etoposide Delivery To Retinoblastoma Cells.
- ❖ Ms Seethalakshmi & Mr. Gopinath attended the Indian Eye Research Group (IERG) meeting held at L V Prasad Eye Institute, Hyderabad from 31st July - 1st August 2010. Ms. Seethalakshmi gave a paper presentation on Expression of genes regulated by curcumin in Y79 retinoblastoma cell lines and Mr Gopinath made a presentation on Signalling Proteins In Lipid Raft Microdomains Are Affected By Phormocological Reagents Which Perturb Calcium Dynamics In Muller Glia Of Retina.
- ❖ Dr J Madhavan & Dr Pandian attended the Indian Eye Research Group (IERG) meeting held at L V Prasad Eye Institute, Hyderabad from 31st July - 1st August 2010.
- ❖ Ms Ferdinamarie Sharmila and Ms Srikrupa Natarajan attended the Indian Eye Research Group (IERG) meeting held at L V Prasad Eye Institute, Hyderabad from 31st July - 1st August 2010. Ms. Sharmila made a presentation on Genotyping rs1800470 ad rs18004711 Myopia patients from South India for Disease Association and Ms. Srikrupa made a presentation on Association between the Indel Variant in the LOC387715/ARMS2 gene and age related macular degeneration in South Indian Population
- ❖ Ms Sathya Priya made a paper presentation on Molecular Analysis of Axial length regulating genes in myopia patients from India at the the Indian Eye Research Group (IERG) meeting held at L V Prasad Eye Institute, Hyderabad from 31st July - 1st August 2010.
- ❖ Ms Bharath Selvi, Ms Gayathri R attended the Indian Eye Research Group (IERG) meeting held at L V Prasad Eye Institute, Hyderabad from 31st July - 1st August 2010 and made presentations on "Exposure to homocysteine negatively influences glutathione synthesis in human retinal pigment epithelial cells" and "Lysyl oxidase and its isoforms in plasma and aqueous humor of pseudoexforliation patients", respectively.
- ❖ Ms R Selvi, Ms S Bharathi & Ms Saijyothi A V participated in the Indian Eye Research Group (IERG) meeting held at L V Prasad Eye Institute, Hyderabad from 31st July - 1st August 2010 and made presentations on "Plasma vegf correlates with vitamin a, gsh and progression of eales disease"; "Free amino acids recover pon1 activity from the effect of age" & "Tear fluid antioxidants profile in patients with keratoconus", respectively.
- ❖ Elite School of Optometry conducted an International Vision Science & Optometry Conference from 12th to 14th August 2010. Totally 750 delegates participated in the conference.



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- ❖ Dr. Lingam Gopal and Dr. Sumita Agarkar attended the Bombay Ophthalmologist Association Meeting at Bombay on 14th & 15th August 2010 and Dr. Gopal delivered a lecture on "Parafoveal Telangiectasia, Long Term follow-up of infants screened for ROP" and Dr. Sumita delivered a talk on "Management of Exotropia, So Palsy".
- ❖ Dr. Muna Bhende attended the Novartis Advisory Board Meeting at Mumbai from 21st to 22nd August 2010.
- ❖ Dr. Vikas Khetan participated in the CME programme at Sankara Deva Nethralaya, Guwahati on 22nd August 2010.
- ❖ Dr. Lingam Gopal attended the conference "Retina 2010" at Vijayawada on 22nd August 2010 and delivered lectures on "PDR – PRP and anti VEGF injections" and "Latrogenic globe perforation & Sequelae – management vitrectomy for diabetic TRD vitreous haemorrhage".
- ❖ Prof. K N Sulochana visited to Sastra University for Academic and Research collaboration on 26th and 27th August 2010.
- ❖ Dr. Vikas Khetan participated in the CME Program at Trivandrum on 5th September 2010 and gave a lecture on "Management of Retinoblastoma".
- ❖ Vision Research Foundation organized an International Conference, Diabetic Retinopathy *From Bench to Population* 2010 at Chennai, from 9th to 11th September 2010. Total number of delegates participated were 350 including national faculty of 42 and international faculty 2.
- ❖ Prof. K N Sulochana presented an invited lecture "Role of Adiponectin in Diabetic retinopathy" in SN ARVO Diabetic Retinopathy meeting from 9th to 11th Sep' 2010.
- ❖ Dr. N. Angayarkanni presented an invited lecture "Mitochondrial Dysfunction in Diabetic Retinopathy" in SN ARVO meeting from 9th to 11th Sep' 2010.
- ❖ Dr. J. Biswas attended a meeting in China from 16th to 20th September 2010 and USA. He presented 2 papers in APAO, Beijing, China titled Post laminar invasion of optic nerve in retinoblastoma and Biopsy pathology in uveitis. He went to UCLA for a consensus meeting on CMV retinitis on developing world.
- ❖ Dr. Lingam Gopal participated in the APAO-AAO Joint Meet, 13th Annual Congress of Asia Pacific Academy of Ophthalmology at Beijing, China from 16th to 20th September 2010. He made 3 presentations on "Retina Surgery in Children", "Colobomatous Retinal Detachment", "Role of anti-VEGF in ROP" and "Tips to Perform Laser in Diabetic Retinopathy".
- ❖ Dr. Subhra Goel participated in the APAO-AAO Joint Meet, 13th Annual Congress of Asia Pacific Academy of Ophthalmology at Beijing, China from 16th to 20th September 2010 and made presentations on Surgical Skill Transfer Course and Controversies in Mixture of Pediatric Ptosis and she was the Co-Instructor.
- ❖ Dr. Lingam Vijaya, Dr. Pramod Bhende, Dr. Muna Bhende, Dr. Krishna Kumar, Dr. Rashmin Gandhi, Dr. T. S. Surendran and Dr. S. Meenakshi attended the APAO-AAO Joint Meet, 13th Annual Congress of Asia Pacific Academy of Ophthalmology at Beijing, China from 16th to 20th September 2010. Dr. Lingam Vijaya made presentations on "Approaches in India", "Current use of lasers in angle – closure glaucoma", "Nanophthalmos" and "Cycloablation procedures". Dr. Muna Bhende



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made a presentation on Peripheral polypoidal choroidal vasculopathy and Dr. Pramod Bhende on "Update on endophthalmitis", "Management of intraocular cysticercosis" and "Anti-angiogenesis therapy for proliferative diabetic retinopathy". Dr Krishna Kumar gave a lecture on Adenexal Tumors of Eyelid and Dr Rashmin Gandhi on "Does amiodarone cause non-arteritic anterior ischemic optic neuropathy?". Dr. Surendran made presentations on "How Effective is surgical management of intermittent exotropia?" and "Electronic Medical Records in Paediatric Ophthalmology". Dr S Meenakshi delivered a lecture on "Delivery care in paediatric ophthalmology, how do we go about in developing countries".

- ❖ Ms. M. Vimalin Jeyalatha, Ms. M. K. Janani, Ms. L. Dhanurekha, Ms. M. Kalpana and Ms. R. Anuja attended the Scientific Seminar Programme – Technical Interactive in Medical laboratory Diagnosis conducted by M/S J. Mitra & Co. Pvt. Ltd. held at 'The League Club', Arumbakkam, Chennai on 17th September 2010.
- ❖ Mr. M. Sasikumar and Ms. S. Margarita attended the "The Role of Biological Indicators in Sterilization assurance", CSSD forum held on 24th September 2010 at Hotel Checkers, Saidapet, Chennai by 3M India Limited.
- ❖ Dr. Tarun Sharma attended the Advanced Vitreoretinal Techniques & Technology Meet at Cochin in September 2010. He was the Chairperson & Moderator in the meeting.
- ❖ Dr B Shantha attended the CME Meeting on "Recent Trends in Ophthalmology", Kochi on 3rd October 2010 and gave a lecture on Management of Congenital Glaucoma and Imaging Techniques.
- ❖ Dr J Biswas and Dr Pramod Bhende participated in the CME Meeting on "Recent Trends in Ophthalmology", Kochi on 3rd October 2010. Dr. Biswas gave lectures on "Tubercular Uveitis" and "Recent Trends in Uveitis Management" and Dr. Pramod Bhende gave lectures on "Management of ROP" and "Surgical Management of Macular Edema".
- ❖ Ms. R. Harini and Ms. H. Manjula attended the CME programme on Preanalytical variables in Lab medicine conducted on 7th October 2010 at Global Hospitals and Health city in Chennai.
- ❖ Dr. S. Krishnakumar attended the Stem Cell Conclave 2010 in Mumbai on 23rd October 2010 and his talk was on stem cells and Nanobiotechnology.
- ❖ Dr. B. Mahalakshmi attended the Certificate training programme on "HIV Pre and Post test counselling for Health care Workers" conducted on 22nd and 23rd October 2010 at YRG Care, Taramani, Chennai.
- ❖ Dr S Krishnakumar participated in the Stem Cell Conclave 2010 Meeting, Mumbai on 23rd October 2010 and gave a lecture on Stem Cells and Nanobiotechnology.
- ❖ Dr. S Krishnakumar attended the Stem Cell Meeting at Madurai from 24th to 26th October 2010.
- ❖ The 10th International AMD and Retina Congress was attended by Dr Pramod Bhende at Switzerland, Lugano on 29th and 30th October 2010.
- ❖ Dr S Ambika attended the Neuro-Ophthalmology Update at Pondicherry on 30th and 31st October 2010.



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- ❖ Dr J Madhavan attended a meeting at Dr M G R Janaki College of Arts & Science for Women, Chennai and delivered a talk on Retinoblastoma.
- ❖ Dr J Madhavan and Dr Vikas Khetan participated in the International Conference on Community Ophthalmology: Diabetes, Diabetic Retinopathy & Inflammation, Calcutta on 30th and 31st October 2010.
- ❖ Dr L Vijaya and Dr Ronnie George participated in the International Congress on Glaucoma Surgery and Glaucoma Society of India, New Delhi from 11th to 13th November 2010.
- ❖ Dr J Madhavan and Dr S Sripriya attended the International Conference on Genomic Science (ICGS): Diagnostic or Sign-myth in genetic diseases, Madurai from 12th to 14th November 2010.
- ❖ Dr Muna Bhende participated in the Luncheon Symposium Lucentis at the East Zone Ophthalmological Meeting, Bhabaneswar on 13th November 2010 and made a presentation on Surgical Management of Macular Edema Lucentis in AMD.
- ❖ Dr Bipasha Mukherjee, Dr Puja Goyal, Dr Marian Anne Jacob, Dr. Nirmala Subramanian and Dr Subhra Goel attended the Annual Oculoplasty Association of India, Mumbai from 19th to 21st November 2010.
- ❖ Dr S Ambika participated in the Update on Neuro-Ophthalmology, Chennai on 19th and 20th November 2010.
- ❖ Dr Lingam Gopal attended the Allergan Academic Achievers Award and Erudio 2010, Chennai on 20th November 2010 and gave a lecture on Update on Surgical Management of Macular Diseases.
- ❖ Dr. Lingam Gopal participated in the Visakha Ophthalmic Association meeting at Vizag on 28th November 2010 and made a presentation on Retinopathy of Prematurity.
- ❖ Dr. Lingam Gopal attended the Annual Conference of Asia Pacific Vitreoretinal Society Congress, Singapore.
- ❖ Dr. H. N. Madhavan, Dr. J. Malathi and Ms. M. Sowmiya attended the XXXIV National conference of IAMM - MICROCON 2010 held at Swabhumi, Kolkatta, from 24th – 28th November 2010. Dr. J. Malathi and Ms. M. Sowmiya presented a poster presentation entitled "Application of Polymerase Chain reaction (PCR) Based sequencing for the detection of Extended spectrum of Beta Lactamases (ESBL'S) genes among Ocular specimens" and Genotypic analysis of Propionibacterium acnes Ophthalmic isolates and their antibiotic susceptibility profiling" respectively.
- ❖ Dr. S. Krishnakumar attended a meeting with Deakin University President at CCMB, Hyderabad and Chancellor Dr. Hollander and returning from Hyderabad on 27th November 2010.
- ❖ Dr Tarun Sharma attended the XX Annual Congress of the Iranian Society of Ophthalmology at Tehran, Iran from 29th November to 2nd December 2010 and he gave presentations on "Future of VR Surgery", "Sankara Nethralaya Diabetic Retinopathy" and "Combination Therapy vs Monotherapy for AMD".
- ❖ Dr J Biswas and Dr Pukhraj Rishi attended the XIX Annual Conference of Vitreoretinal Society of India, Mysore from 2nd to 4th December 2010. Dr. Biswas delivered a lecture on Pathogenesis of CME and its Management and Dr. Pukhraj Rishi made



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presentations on "Micro Trauma with ILM Peeling in Surgery for Traumatic Macular Hole Causing Retinal Angiomas Proloiferans RAP" and "Foveal Atrophy and Macular Hole Formation Following Intravitreal Ranibizumab Alone or in Combination with Photodynamic Therapy for Choroidal Neovascularization Secondary to Age Related Macular Degeneration".

- ❖ Dr Lingam Gopal, Dr Vikas Khetan and Dr Ekta Rishi participated in the XIX Annual Conference of Vitreoretinal Society of India, Mysore from 2nd to 4th December 2010. Dr. Lingam Gopal made presentations on "Choroidal Melanoma" and "Management of Retinal Detachments with Choroidal Coloboma". Dr. Vikas Khetan delivered a talk on Other Retinal Tumors and Dr. Ekta Rishi on "COAT's Disease Diagnosed in Adulthood".
- ❖ Dr L Vijaya and Dr Ronnie George attended the Asia-Pacific Joint Glaucoma Congress 2010 at Taipei from 2nd to 6th December 2010. Dr. Vijaya gave a lecture on Aqueous Misdirection and Dr. Ronnie George on TVT Study what does it mean to us.
- ❖ Dr. J. Biswas attended 59th Annual conference of Indian Association of Pathologist and Microbiologist (IAPM) on 9th and 10th December 2010 at Hyderabad. He has been awarded fellowship of Indian college of pathologist (FIC Path) on 9th December 2010.
- ❖ Dr. K. Lily Therese attended the intensive course on "Tuberculosis Diagnostic Research from basics to advanced techniques" from December 13th – 15th 2010 at the Yakshma Anusandhana Kendra, Tuberculosis Research Centre, Chennai
- ❖ Prof. K N Sulochana attended the SBCI meeting at Bangalore between 13th and 15th Dec 2010.
- ❖ Dr. H. N. Madhavan attended the "Scientific Advisory Committee meeting" of Sri Narayani Hospital and Research Centre, Thirumalaikodi, Vellore on 15th December 2010.
- ❖ Dr. K. Lily Therese delivered a invited talk in the session "Diagnostic innovations from India: View from Industry and Clinic" and Ms. R. Gayathri presented a poster presentation entitled "Novel mutations in pyrazinamide resistant *M. tuberculosis* isolates targeting *pncA* gene from Chennai" in the "International Symposium on TB Diagnostics: Innovating to Make an Impact" held on December 16th & 17th, 2010 at International Centre for Genetic Engineering & Biotechnology, (ICGEB), New Delhi, INDIA
- ❖ Dr. N. Angayarkanni made a paper presentation on "Differentially expressed proteins in Primary Sjögren syndrome: A proteomic Approach" in the 79th SBCI meeting at Bangalore from 13th to 15th December 2010
- ❖ Dr. K. Coral, Ms. R.Gayathri, Ms. S Vidhya, Ms. S Barathi, Dr. Kaviarasan & Mr. Jittumohal Lal attended the 79th SBCI meeting at Bangalore from 13th to 15th December 2010.
- ❖ Ms. Vanitha and Ms. Vijayanthi attended the workshop on "Recent Trends in Diagnosis of Malignant Diseases" organized by Department of Clinical Biochemistry, Cancer Institute (WIA), Chennai on 27th December 2010, at Cancer Institute, Chennai
- ❖ Dr Lingam Gopal attended the National Science Congress at Chennai on 7th January 2011 and gave a lecture on Diabetic Retinopathy – Epidemiological Perspective



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- ❖ Dr J Biswas participated in the 9th Ophthalmology Oration of Indian Medical Association, Chennai on 8th January 2011 and gave a lecture on Diagnostic and Therapeutic Challenges in Uveitis.
- ❖ Dr Rajiv Raman participated in the Regional Institute of Ophthalmology Workshop at Trivendrum on 9th January 2011 and gave a presentation on "Diabetic Retinopathy" and conducted Vitreoretina Quiz.
- ❖ Dr Muna Bhende participated in the Bombay Ophthalmologist Association of Retina CME at Mumbai on 9th January 2011 and gave presentations on "FFA in the era of OCT", "CNV Management – then and now" and "DME-Changing Perceptions".
- ❖ Dr. K. Lily Therese, Ms. R. Gayathri and Ms. L. Dhanurekha attended the 65th National Conference on Tuberculosis and Chest Diseases 2010 held at Bangalore from 10th to 12th January 2011. Dr. K. Lily Therese delivered an oral presentation entitled "Detection of Novel mutations in the katG gene of clinical isolates of *Mycobacterium tuberculosis* from Chennai" and Ms. R. Gayathri presented a poster entitled "Detection of Novel mutations targeting embB gene in clinical isolates of *Mycobacterium tuberculosis*" and Ms. L. Dhanurekha delivered an oral presentation entitled "Evaluation of nested PCR targeting rpoB gene for the detection of *Mycobacterium tuberculosis* genome in clinical specimens".
- ❖ Dr J Madhavan, Dr S Sripriya, Dr N Soumitra and Dr Vikas Khetan participated in the International Society for Genetic Eye Diseases and Retinoblastoma, Bangalore from 14th to 16th January 2011.
- ❖ An International Oculofacial, Reconstructive and Aesthetics Conference – Chrysalis 2011 was organized by Sankara Nethralaya at KNBIRVO Block, Auditorium from 14th to 16th January 2011. Nearly 121 delegates attended the conference.
- ❖ Ms. S Barathi attended the Pedagogic and personal effectiveness workshop for the faculty of Sankara Nethralaya organized by Dr. Ram Narayan, Vice Chancellor and Dr. Sudhakar Nayak, Head of Medical Education department, Manipal Medical University from 17th to 20th January 2011.
- ❖ Dr. Prema Padmanabhan attended 6th International Congress of Corneal Cross-Linking at Milan, Italy on 21st to 22nd January 2011. She gave an invited lecture on "Changes in corneal characteristics following CXL for Keratoconus"
- ❖ Dr. K. Lily Therese and Ms. R. Gayathri attended the ASIA ARVO 2011 Conference at Singapore from 20th – 22nd January 2011. Dr. K. Lily Therese presented a poster entitled "Evaluation of allele specific PCR as a laboratory test against commercially available HLA 27 typing kit in Uveitis patients" and Ms. R. Gayathri presented a poster entitled "Utility of Quantiferon TB Gold IT test® as a differential diagnostic tool in uveitis patients from a tertiary Eye care hospital in India".
- ❖ Dr B Shantha attended the Asia Arvo Conference held at Singapore from 20th to 22nd January 2011 and made presentations on Ultrasound Biomicroscopic Imaging of the anterior segment and pars plana in eyes with Vogt-Koyanagi Harada's Disease & Clinical Application of Population based studies on Glaucoma: An Indian Perspectives.
- ❖ Dr Arunachalam Pandian and Dr S Sripriya participated in the Asia Arvo Conference held at Singapore from 20th to 22nd January 2011 and Dr. Pandian made presentations on X-Linked Juvenile Retinoschisis: Mutational Screening of RS1 Gene and Molecular Characterization of the Identified Mutations and Dr. Sripriya made a



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presentation on Association Analysis of ATOH7 gene and Quantitative Trait/s in Indian Families

- ❖ Dr J Biswas attended the Asia Arvo Conference held at Singapore from 20th to 22nd January 2011 and made a presentation on "A case of scleral tuberculosis".
- ❖ Dr Ronnie George attended the Asia Arvo Conference held at Singapore from 20th to 22nd January 2011 and made presentations on Glaucoma: Estimated Number of Persons with Glaucoma in India and Glaucoma management in India: Perceived Lacunae in Eye Care.
- ❖ Dr Lingam Gopal participated in the Asia Arvo Conference held at Singapore from 20th to 22nd January 2011 and made presentations on "Management of Retinal Detachment in Eyes with Coloboma of Choroid" and "Retinal Vascular Diseases and Retinal Surgery".
- ❖ Dr Tarun Sharma and Dr Rajiv Raman attended the Asia Arvo Conference held at Singapore from 20th to 22nd January 2011 and Dr. Tarun Sharma made a presentation on Influence of Glycosylated Hemoglobin on sight-threatening Diabetic Retinopathy: a population based study and Dr. Rajiv Raman on "Prevalence and Risk Factors for Diabetic Microangiopathies in newly diagnosed Type II Diabetes Mellitus" and "Epidemiology: Diabetic Retinopathy SN DREAMS Report".
- ❖ Dr Suganeswari Ganesan, Dr Rashmin Gandhi and Ms Gella Laxmi attended the Asia Arvo Conference held at Singapore from 20th to 22nd January 2011. Dr. Suganeshwari made a presentation on Prevalence of Cataract Surgery in subjects with Type II Diabetes Mellitus: a population-based study, Dr. Rashmin on Homonymous Hemianopia: Investigations and Management and Ms. Laxmi on Characterization of Scotoma in Patients with Clinically Significant Macular Edema.
- ❖ Ms R Selvi participated in the Asia Arvo Conference held at Singapore from 20th to 22nd January 2011 and made a poster presentation on Novel formula of Amino Acids: SNAAM1 A Potent VEGF Lowering Agent.
- ❖ Dr. B. Mahalakshmi attended the "Innovation update: Attune™ Acoustic Flow Cytometer hosted by local life Technologies sales representatives on 24th January 2011, in Le Royal Meridien Chennai, Chennai.
- ❖ Dr. H. N. Madhavan delivered the key note address in the Inaugural function of the National Symposium on "Recent trends in Opportunistic Mycotic Infections" held on 3rd February 2011 in the Vignyan Auditorium, CSIR, Chennai.
- ❖ Dr. K. Lily Therese presented an invited lecture on "Ocular Mycotic Infections" and chaired a session in the Inaugural function of the National Symposium on "Recent trends in Opportunistic Mycotic Infections" held on 3rd February 2011 the Vignyan Auditorium, CSIR, Chennai.
- ❖ Dr. Lingam Gopal attended the Annual Conference of All India Ophthalmological Society at Ahmedabad, between 3rd and 6th February 2011. He delivered talks on the following topics :
 - Newer investigational modalities in posterior segment
 - Neuroophthalmic manifestations of the connective tissue disorders
 - Macular hole surgery
 - Challenges in pediatric retinal surgery
 - Clinical trials from abroad- is it right
 - Endophthalmitis- when to refer for vitrectomy



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- Posterior segment complications of anterior segment diseases in children
 - Intricacies in VR surgery
 - Conducted an instruction course on 'basic VR surgery'
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- ❖ Dr. Rajiv Raman attended the Annual Conference of All India Ophthalmological Society at Ahmedabad, between 3rd and 6th February 2011. He gave a talk on *Challenges in Diagnosis of Retinopathy*.
 - ❖ Dr. Sudha Ganesh participated in the Annual Conference of All India Ophthalmological Society at Ahmedabad, between 3rd and 6th February 2011.
 - ❖ Dr. S Meenakshi attended the Annual Conference of All India Ophthalmological Society at Ahmedabad, between 3rd and 6th February 2011 and gave lectures on Pediatric LASIK and Controversies in Strabismus and Subjective Refraction.
 - ❖ Dr. N Radhika, Dr. Rama Rajagopal, Dr. Geetha Krishnan Iyer attended the 69th Annual Conference of All India Ophthalmological Society at Ahmedabad from 3rd to 6th February 2011. Dr. Radhika conducted an instruction course "Keratoprosthesis – An overview" and gave a lecture on "Introduction to keratoprosthesis". Dr. Rama Rajagopal made a paper presentation on "Clinical profile and surgical outcome of conjunctival dysplasia" and Dr. Geetha Krishnan Iyer was the Chief Instructor for the instruction Course titled "Keratoprosthesis – An overview" and lectures on Indications and preoperative evaluation and Complications of MOOKP and their management. Dr. Geetha Krishnan Iyer made a paper presentation on Mucous Membrane Graft in lid keratinisation in Stevens Johnson Syndrome.
 - ❖ Dr. Rashmin Gandhi participated in the Annual Conference of All India Ophthalmological Society at Ahmedabad, between 3rd and 6th February 2011 and gave a presentation on Mastering Refraction & Computer Vision Syndrome.
 - ❖ Dr Sudharshan S attended the Annual Conference of All India Ophthalmological Society at Ahmedabad, between 3rd and 6th February 2011 and delivered a talk on Clinical Tips to Manage Ocular Lesions in AIDS
 - ❖ Dr S Ambika participated in the Annual Conference of All India Ophthalmological Society at Ahmedabad, between 3rd and 6th February 2011 and gave a presentation on Neuro-ophthalmic Manifestations of Systemic Diseases
 - ❖ Dr T S Surendran attended the Annual Conference of All India Ophthalmological Society at Ahmedabad, between 3rd and 6th February 2011 and gave presentations on "Tackling Horizontal Muscles", "Contact lens for Refractive Errors" and "Strabismus in Thyroid eye Disease".
 - ❖ Dr Sumitra Agarkar delivered lectures on Evaluation of Strabismus and Special forms of strabismus in the Annual Conference of All India Ophthalmological Society at Ahmedabad, between 3rd and 6th February 2011.
 - ❖ Dr Pradeep S gave a presentation on Surgical Techniques in Trauma Related Retinal Detachment at the Annual Conference of All India Ophthalmological Society at Ahmedabad, between 3rd and 6th February 2011.
 - ❖ Dr Pramod Bhende attended the Annual Conference of All India Ophthalmological Society at Ahmedabad, between 3rd and 6th February 2011 and delivered guest lectures on Management of RD in Diabetic Retinopathy & Management of IOFB.



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- ❖ Dr Muna Bhende participated in the Annual Conference of All India Ophthalmological Society at Ahmedabad, between 3rd and 6th February 2011 and gave presentations on Management of RD in Infective Retinitis, FFA in Retinal Vascular Disorders & Systemic Work up of Retinal Vascular Occlusions.
- ❖ Dr. Dhanashree Ratra attended the CME on Retinal Diseases at Chennai on 11th February 2011 and gave a talk on ARMD Management.
- ❖ Dr. K. Lily Therese & Dr. J. Malathi delivered the guest lectures on 12th February 2011 in CME programme organized by Aravind Eye hospital, Tirunelveli. The titles of their presentations are Dr. KLT - "Utility of molecular diagnostic ocular infections" and Dr. JM - "Molecular techniques for the diagnostic of Ocular viral infections".
- ❖ Ms. R. Gayathri, Ms. M. K. Janani and Ms. M. Vimalin Jeyalatha attended the National symposium entitled 'Contemporary Trends in Biological and Pharmaceutical Research' to be conducted at BITS, Pilani campus from 12th to 13th March 2011.
- ❖ Ms. S. Vidhya, Ms. Iyer Gomathy Narayanan, Ms. Bharath Selvi attended the National Symposium at BITS, Pilani from 12th to 13th March 2011.
- ❖ The WHONET training programme on "Bi-Regional Workshop on Laboratory Based Surveillance of Antimicrobial Resistance" was conducted from 21st - 25th March 2011. There were 18 participants from 17 countries and 6 Faculty (Dr. Rajesh Bhatia & Ms. Surang Dejsirilert from WHO-SEARO, Dr. Sangeeta Joshi from Bangalore, Dr. Anuj Sharma from WHO-INDIA, Dr. H. N. Madhavan & Dr. K. Lily Therese from L & T Microbiology Research centre) and Dr.J.Malathi, Dr.B. Mahalakshmi, Dr.R. Bagyalakshmi and 9 Research fellows were Facilitators for the laboratory techniques.
- ❖ Dr. Rama Rajagopal attended the Asia Pacific Academy of Ophthalmology Congress at Sydney Convention and Exhibition Centre, Sydney, Australia between 20th and 24th March 2011. She made a paper presentation on "Combined penetrating keratoplasty and vitreoretinal surgery using landers keratoprosthesis" and a poster presentation on "Unusual Ocular Surface Squamous Neoplasia (OSSN) – Challenges".
- ❖ Dr. Prema Padmanabhan attended the Femtosecond Laser User Meet at San Diego, USA on 25th March 2011.
- ❖ Dr. Prema Padmanabhan participated in the American Society of Cataract and Refractive Surgery meeting at San Diego, USA from 26th to 27th March 2011



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DISTINGUISHED VISITORS

- ❖ Mr. Jayaraman, Mr. Brian Lundstrom & Mr. Jeffrey Janus visited on 13th May 2010.
- ❖ Dr. Richard Garber, Director, Alcon Laboratories, Ft. Worth, Texas, visited on 1st June 2010 and his comments were "*So much interesting research going on. We must stay longer to discuss projects more*".
- ❖ Dr. Gale Cupp, Alcon Laboratories, Ft. Worth, Texas, visited on 1st June 2010 and his comments were "*An extraordinary experience with a special thanks to all who showed us such hospitality*".
- ❖ Dr. CH Mohan Rao, Director, CCMB, Hyderabad and Dr. Meenakshi Singh visited Vision Research Foundation on 5th June 2010.
- ❖ Mr Steam Starmer, Senior Adviser, Science & Technology, Australian High Commission visited Sankara Nethralaya on 29th June 2010.
- ❖ Dr. Shridhar Narayanan, Senior Vice President-Biology, Orchid Research Laboratories Ltd. Chennai, India, gave a guest lecture entitled "*The discovery and development of novel STAT3 inhibitors for treatment of cancer and ocular inflammation*" on 30th June 2010 at 3.30 pm.
- ❖ Dr Nalini Raghavachari, Director of Genomics Core Facility, National Heart Lung and Blood Institute, Unites States, visited on 5th July 2010.
- ❖ Dr Pradeep Ramulu, Wilmer Eye Institute, United States, visited Sankara Nethralaya on 15th July 2010.
- ❖ Dr. Utpal Tatu, Associate Professor, Dept of Biochemistry, IISc, Bangalore visited all the research laboratories in the new building on 24th July. He gave a Guest lecture *on the Application of Mass spectrometry in clinical Proteomics* for all the Basic Research scientists.
- ❖ Shri. B S Teeka visited on 30th July 2010.
- ❖ Mr Pawan Solanki, Manager-Research Services, Deakin University, Australia, visited on 7th August 2010.
- ❖ Dr. Undurti N Das, Editor-in-Chief, Lipids in Health and Disease presented on "*Role of Lipids and Diabetes*" on 2-3 Sep 2010.
- ❖ Deakin University Team & Students, visited Sankara Nethralaya for Ph.D Induction Program, Australia on 15th December 2010.
- ❖ Lumbini Eye Institute Team (LEI), Nepal visited Sankara Nethralaya on 20th & 21st December 2010.
- ❖ Dr. Femida Kherani, Specialist in Oculoplastics, Vancouver, gave a Guest Lecture on 21st February 2011.
- ❖ Dr. Linda Rose, MD, Ph.D., Assistant Professor of Ophthalmology, Director, Cornea & External Diseases, University of New Mexico, visited Sankara Nethralaya and delivered a guest lecture on 22nd February 2011.