

PREFACE

Following pages represent the output of the scientific activities of TRC during the reporting period. I am grateful to all the scientific, technical, administrative and service staff for their support in generating high quality research at TRC. I congratulate the staff responsible for drafting this excellent report. If there are mistakes either in content, or in style, or in language I am responsible for the same. Please review this critically and provide your valuable comments and criticisms to improve the scientific output of this centre more and more in the forthcoming years.

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DISTINGUISHED VISITORS

Name	Remarks
Prof. R. C. Mahajan J.N.Bose National Research Program Advisor, ECD-ICMR, & Emeritus Professor, PGI Chandigarh	<i>“Highly impressed with kind of infrastructure created in TRC and quality of work being carried out”</i>
Dr. Mel Spigelman Global Alliance for TB Drug Development USA	<i>“Wonderful facility and even more wonderful staff”</i>
Dr. Ann Ginsberg Global Alliance for TB Drug Development USA	<i>“Looking forward to working together on our mutual goal of improving TB treatment”</i>
Dr. Said Al Baqlani Ministry of Health Department of Public Health Laboratories Oman	<i>“Sincerely I had a wonderful experience with your institution both academically and socially”</i>
Dr. R. Nagaraj CCMB Hyderabad	<i>“The facilities and the work done in TRC is really impressive”</i>
Prof. K. Sankaran CBT - Anna University Chennai	<i>“A very exciting and stimulating experience going through the facilities and listening to the Director”</i>
Dr. Paul Kutyabami Makerere University Uganda.	<i>“I was impressed with what goes on at TRC. It will be good if what you do gets published for the world to benefit”</i>
Dr. P.M. Jester University of Alabama at Birmingham, USA	<i>“Your accomplishments are fantastic. I am honoured to have shared time with you”</i>
Dr.G.S.Chhatwal Director Microbiology HZI, Germany	<i>“A real nice centre for comprehensive research“</i>

Name	Remarks
Dr. Karyl Barron NIAID – NIH USA	<i>“I am most impressed with the facilities and look forward to seeing the results of the research”</i>
Dr. Hannan Mouse NIAD – NIH USA	<i>“Very Impressive”</i>

UK Parliamentarians visit



Tom Clarke House of Commons London Parliament	<i>“High standards of professionalism and commitment in action”</i>
Baroness Lindsay Northover Global Democrat Spokesperson International Development House of Lords London	<i>“It is very impressive indeed to see such wide range of outstanding research carried out here, and then able to influence what is happening in India and far wider”</i>
Ashok Kumar, MP House of Commons London	<i>“Highly committed individuals doing excellent work”</i>



<p>Nick Herbert, MP House of Commons London Chariman, All-party Parliamentary Group on Global TB</p>	<p><i>“Thank you for an extremely useful and informative visit”</i></p>
<p>Ann Cryer, MP House of Commons London</p>	<p><i>“Our morning at the TRC was extremely useful”</i></p>
<p>Jeremy Hunt, MP House of Commons London</p>	<p><i>“A fascinating insight into leading edge work to tackle TB and the relationship between HIV&TB. Keep up the good work”</i></p>
<p>Sheila Davie & Louise Holly RESULTS, UK</p>	<p><i>“Information that you have provided is invaluable for our advocacy work on TB”</i></p>



Nick Herbert MP
Arundel & South Downs

25 JUL 2007



HOUSE OF COMMONS

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Dr. P.R. Narayanan
Director
Tuberculosis Research Centre
Mayor V. R. Ramanathan Road
Chetput, Chennai 600 031
India

25 May 2007

Dear Dr Narayanan

I am so sorry not to have written sooner and on behalf of the members of the All-Party Parliamentary Group on Global TB who participated in the visit to India in March, thank you and your colleagues for giving up so much of your time to show us around the Tuberculosis Research Centre and for providing us with such comprehensive presentations.

It was very clear that in the 50 years since your establishment, the TRC has been a global leader in the field of research and its work has had a positive impact in addressing TB worldwide.

We would be extremely grateful if you would keep us informed of progress and developments in your work in the future and be in touch if there are any actions that the All-Party Parliamentary Group can take to support your efforts.

If you or any of your colleagues have the opportunity to travel to the UK in the future, please do let us know. We would be delighted to see you again.

May I wish you the very best of luck in your future activities.

With kind regards.

Yours sincerely

Nick Herbert

Nick Herbert MP

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Dr. R.P. Narayanan
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16 April 2007

Dear Dr Narayanan,

Re: Delegation of UK Parliamentarians to India

I am writing today to thank you very much for giving our delegation such an interesting presentation of the Tuberculosis Research Centre's activities.

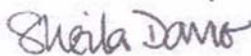
Your presentation gave the delegates an excellent opportunity to better understand the scale of the tuberculosis epidemic in India. It also inspired the delegates to take action to support efforts to control the disease and I am pleased to tell you that they have promised to take a lead in the UK in advocating for solutions to the problem.

Delegations of parliamentarians are a very important part of our advocacy work and you greatly contributed to make this trip a very successful one.

Thank you again for your time and support. We very much look forward to working together again in the future.

With very kind regards,

Yours sincerely,



Sheila Davie
Executive Director



Louise Holly
Project Manager

ABBREVIATIONS

3TC	Lamivudine
A	Amikacin
ACR	Allelic Crystalline Protein
AFB	Acid Fast Bacilli
ANN	Artificial Neural Network
ART	Antiretroviral Therapy
ARTI	Acute Respiratory Tract Infection
ATP	Adenosine Triphosphate
ATT	Anti-TB treatment
AZT	Zidovudine
BCG	Bacillus Calmette Guerin
C	Capreomycine
CBA	Cytometric Bead Array
CFA	Culture Filtrate Antigen
CFP	Culture Filtrate Protein
CFU	Colony Forming Unit
CIC	Circulating Immune Complex
CPC	Cetyl Pyridinium Chloride
CS	Chest Symptomatic
CTL	Cytotoxic T-lymphocytes
CXR	Chest X-ray
CYP2B6	Cytochrome P450 2B6
DC	Dendritic Cells
ddl	Didanosine
DMSO	Dimethyl Sulfoxide
DNA	Deoxyribonucleic Acid
DOTS	Directly Observed Treatment Short-course
DRS	Drug Resistance Surveillance
DSP	Drug Susceptibility Profile
DST	Drug Susceptibility Testing
d4T	Stavudine
E	Ethambutol
EDTA	Ethylene Dianine Tetra-acetic Acid
EFV	Efavirenz
ELISA	Enzyme Linked Immunosorbent Assay
EQA	External Quality Assurance
ESAT	Early Secretory Antigen Target
Eth	Ethionamide
FDC	Fixed Dose Combinations
H	Isoniazid
HIV	Human Immuno Deficiency Virus
HIVVT	HIV Vaccine Trial
HHC	Healthy Household Contacts
HLA	Human Leucocyte Antigen
HPLC	High Performance Liquid Chromatography

IFN- γ	Interferon Gamma
IRL	Intermediate Reference Laboratory
K	Kanamycin
LJ	Lowenstein Jensen
LRP	Luciferase Reporter Phage
MAPK	Mitogen Activated Protein
MBL	Mannose Binding Lectin
MDR-TB	Multi-Drug Resistant Tuberculosis
MIC	Minimal Inhibitory Concentrate
MSM	Men having Sex with Men
MVA	Modified Vaccine Ankara
NHS	Normal Health Subjects
NNRTI	Non-NRTI
NVP	Nevirapine
O	Ofloxacin
ORF	Open Reading Frame
PBMC	Peripheral Blood Mononuclear Cells
PCR	Polymerase Chain
PMA	Phorbol Myristate Acetate
PNB	Para Nitro Benzoic acid
PPD	Purified Protein Derivative
PPs	Private Practitioners
PST	Proportion Sensitivity Test
PTB	Pulmonary TB
QoL	Quality of Life
R	Rifampicin
RFLP	Reaction – Restriction Fragment Length Polymorphism
RLU	Relative Light Units
RNTCP	Revised National TB Control Programme
RT	Reverse Transcriptase
SLI	Standard of Living Index
Sm	Streptomycin
STDC	State TB Demonstration Centre
TB	Tuberculosis
TLR	Toll Like Receptors
TST	Tuberculin Skin Test
USAID	United States Agency for International Development
VDR	Vitamin-D Receptor
WHO	World Health Organization
Z	Pyrazinamide
ZN	Ziehl Neelsen