

National Conference

On

Current Challenges for Tuberculosis Management On World Tuberculosis Day (24th March, 2018)

Organized by:

Central Molecular Research Laboratory (CMRL)

Department of Biochemistry, Shri Guru Ram Rai Institute of Medical & Health
Sciences

Shri Guru Ram Rai University, Dehradun (UK)



In Collaboration with

**Uttarakhand Science Education & Research Centre (USERC),
Department of Science & Technology, Govt. of Uttarakhand**



USERC

Uttarakhand Science Education & Research Centre

Department of Science & Technology
Government of Uttarakhand

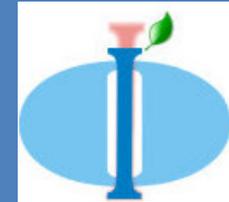
Organizing Chairperson
Dr. Nita Garg

Organizing Secretary
Dr. Narotam Sharma

Accreditation (CME
Credits Hours=03)

by Uttarakhand
Medical Council

In association with



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New Delhi

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Theme of the Conference

Tuberculosis (TB) is an infectious bacterial disease caused by *Mycobacterium tuberculosis* (MTB), which generally affects the lungs, but it can also affect other parts of the body too. In India and its sub-continent, Tuberculosis (TB) is widespread and therefore constitutes a potential infectious source for humans and interferes with the National Tuberculosis control programs. The bacteria that cause tuberculosis (TB) can develop resistance to the antimicrobial drugs used to cure the disease, called Multidrug-resistant tuberculosis (MDR-TB). MDR is that form of TB that does not respond to isoniazid and rifampicin, the two most powerful anti-TB drugs. Advancements over the past 20 years have led to the widespread use of molecular assays that aid the diagnosis of tuberculosis. Molecular assays are able to rapidly identify the organism *Mycobacterium tuberculosis* to the species level and can identify a small number of common drug resistance conferring mutations. **Some of the important topics that will be covered by the team of expertise in the concerned field are as below:**

- 1) To discuss the current scenario of tuberculosis and its impact on health and socioeconomic status of Uttarakhand population
- 2) Will be especially organized for school going students of different govt. and private schools of classes 9th, 10th, 11th and 12th, under ongoing project of Govt. of Uttarakhand, CM flagship Programs for Health and Hygiene and water borne diseases and Rejuvenation of water bodies in and around Dehradun.
- 3) To discuss about the various advancements in the field of Cellular and Molecular diagnostics in the current arena of tuberculosis diagnosis and its relevance to the disease management.
- 4) Role of recombinant DNA technology and Medical Biotechnology for the development of vaccines and PCR based tests for the diagnosis of tuberculosis.
- 5) To discuss about the epidemiology of tuberculosis with respect to the burden of multiple drug resistance and extensively drug resistance w.r.t to Uttarakhand population.
- 6) To aware, the young generation (school going children) with the water born diseases and the impact of water bodies (like Rispana, Bindal and other small streams) on the health and socioeconomic status of the people residing near to these water bodies.
- 7) Role of water pollutants on human health.

Program Schedule

Venue SGRR Medical College Auditorium (above Pathology Department)
24th March, 2018

Registration	:	08:30 am – 09:30 am
National Anthem, Lamp Lighting & Saraswati Vandana	:	09:30 am – 09:40 am
Welcome Address by Organizing Chairperson	:	09:40 am – 09:50 am
Presentations of Bouquet & Mementoes	:	09:50 am – 10:00 am
Address by Advisor	:	10:00 am - 10:05 am
Address by Principal	:	10:05 am – 10:10 am
Address by Medical Superintendent	:	10:10 am – 10:15 am
Address by Pro-Vice Chancellor	:	10:15 am - 10:20 am
Address by Vice Chancellor	:	10:20 am - 10:25 am
Address by Chief Guest	:	10:25 am - 10:30 am
Exchange of MOU between USERC & SGRRU	:	10:30 am - 10:35 am
Vote of Thanks by Organizing Secretary	:	10:35 am – 10: 40 am

Tea Break : 10:40 am – 11:00 am

National Conference Accredited by Uttarakhand Medical Council with 03 CME

Credits Hours

Technical Session 1 (24th March, 2018)

Timing	Scientific Presentations	Speaker	Venue
11:15am - 12:00 pm	End TB, Strategies WHO perspectives	Prof.(Dr.) Puneet Ohri, Department of Community Medicine, SGRRIM&HS, Dehradun, UK	SGRR Medical College Auditorium (above Pathology Department)
12:00 noon - 12:45 pm	Tuberculosis – An Update	Prof.(Dr.) Jagdish Rawat, Department of TB & Chest, SMI Hospital, Dehradun, UK	
12:45pm- 01:30pm	Drug Resistant Tuberculosis in India: Emerging threat and its management	Dr. Madhavi, JLN Medical college, Ajmer, Rajasthan	
01:30pm- 02:15pm	Role of Biotechnology for the development of Vaccine for Tuberculosis	Dr. Deepak Sharma Scientific Officer, Panacea Biotech, Chandigarh	
Lunch: 2:15 pm-03:00pm (Lunch Break)			
03:00pm- 03:45pm	Advanced Molecular Diagnostics tools and techniques for the diagnosis of Tuberculosis in Current Scenario	Dr. Prem Raj Singh, Application Scientist, Qiagen, New Delhi, India	SGRR Medical College Auditorium (above Pathology Department)
Valedictory Function : 03:45pm-04:30pm Certificate Distribution Program SGRR Medical College Auditorium (above Pathology Department)			

Technical Session 2: Will be especially organized for school going students of different govt. and private schools of classes 9th, 10th, 11th and 12th, under ongoing project of Govt. of Uttarakhand, flagship Programs for Health and Hygiene and water borne diseases and Rejuvenation of water bodies in and around Dehradun.

Technical Session 2 (24th March, 2018)			
Coordinator: Dr. Gulshan Kumar Dhingra, Associate Professor, Pt. L M S Govt. Post Graduate (Autonomous) College, Rishikesh, UK.			
Timing	Scientific Presentations/ workshop	Speaker	Venue
11:15am- 11:50 noon	Water borne diseases and its impact on the health and socioeconomic status of the people	Dr. Himanki Dabral, Assistant Professor, Division of Life Sciences, Shri Guru Ram Rai University, Dehradun (UK)	Biochemistry Department, Shri Guru Ram Rai Institute of Medical and Health Sciences, Dehradun, UK
11:50am- 12:00 noon	Lead (Pb) Poisoning and its impact on human health “Lead poisoning and health”	Dr. Tariq Masood, Associate Professor, Biochemistry Department, Shri Guru Ram Rai Institute of Medical and Health Sciences, Dehradun, UK	
12:00noon- 02:15 pm	Workshop for Students (Theme : Play with DNA) and how to detect the Pathogens in Laboratory	Dr. Gyanendra Awasthi , Reader and Head, Department of Biochemistry, Dolphin institute of Biomedical & Natural Sciences, Dehradun (U.K.), Mr. Satish Chandra Nautiyal, Mr. Sagar Bhatt, Miss. Bhagyashree	Central Molecular Research Laboratory , Biochemistry Department, Shri Guru Ram Rai Institute of Medical and Health Sciences, Dehradun , UK
LUNCH BREAK 02:15 pm- 03:00 pm			
03:00 pm- 03:30 pm	Poster presentations from students (Poster competition on the theme, “Health and Hygiene and water borne diseases”, will be there and the best 03 posters will be awarded during the conference.)		
03:30 pm- 04: 30 pm	Valedictory functions and Prize Distribution Ceremony (SGRR Medical College Auditorium (above Pathology Department))		