

1 St ASIAN – AFRICAN CONGRESS OF MYCOBACTERIOLOGY



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We are pleased to invite you to attend the 1stAsian African Conference of Mycobacteriology, which will be held at the isfahan abbasi hotel, from 7-11 March 2015 in isfahan, Iran. The congress theme is "Mycobacterium and related Disease". This theme will review and emphasizes latest developments in mycobacterium disease, particularly those caused by Mycobacterium tuberculosis, Mycobacterium bovis and non-tuberculosis mycobacterium (NTM).

To ensure appropriate running of the first congress and its success,we warmly welcome the kind collaboration and participation of all interested clinicians, scientists, faculty members, students, researchers, laboratory staff and nurses, etc. We hope to create a unique occasion especially for the young researches to gain knowledge and experience.

We look forward to welcoming you to isfahan.

WITH THE BEST WISHES
ALI AKBAR VELAYATI, MD
CONGRESS PRESIDENT



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Scientific Program



Oral Presentation Programme:

Sunday, March 8^{th} :

| Chairs: | Persistence of Mycobacterium tuberculosis in environmental samples | A.A.Velayati (Iran) |
|--|--|-----------------------|
| A.A.Velayati (Iran) M.Ridell (Sweden) | Relationship between national TB program and prevalence of TB drug resistance in Algeria 1965 to 2013. | F.Boulahbal (Algeria) |
| V.Vincent (France) L.Titov (Belarus) | Molecular epidemiology of TB -its impacts on multidrug resistant tuberculosis control in China | B.Xu (China) |
| Coordinator: P.Benjamin(Cameron) | The role of drug susceptibility testing in controlling drug resistant tuberculosis; challenges and possibilities | S.Hoffner (Sweden) |
| | Radiologic manifestations of pulmonary Tuberculosis in ICU | H.Jamaati |



Monday, March 9^{th} :

| Chairs: F.Valafar(USA) | An "all in one" Solution for simultaneous spoligotyping and drug resistance gene analysis of M.TB; TB-sprint and TB-sprint plus | C.Sola(France) |
|--|--|--------------------|
| F.Boulahbal (Algeria) M.Nasehi (Iran) | Evaluation of the Performance of two DNA-based methods for the detection of extra pulmonary tuberculosis in comparison with the conventional culture technique | E.Maqadas (Kuwait) |
| H.Bayram (Turkey) Coordinator: | Modification of ChPL (chitosan protein -lipid) nanoparticles for in-vitro release of rifampicin (RIF) | J.Ghanavi (Iran) |
| F.Dabboussi(Lebanon) | Next generation blood tests for detecting tuberculosis at the point-of-care: overcoming challenges in product development | R.Mcnerney (UK) |



| Towards personalized medicine in mycobacterial diseases; from bench to bedside | M.Mirsaeidi (USA) |
|---|-----------------------|
| The inconsistent definitions for tuberculosis currently used in the literature | W.Shandera (USA) |
| A Public-private Partnership model to reduce tuberculosis burden in Akwa Ibom State- Nigeria | P.Benjamin (Cameron) |
| Mycobacterium tuberculosis Latin-American-Mediterranean family in Bulgaria | V.Valcheva(Bulgaria) |
| Evolution of extensively drug-resistant tuberculosis over four decades revealed by whole genome sequencing of M.TB from KwaZulu-Natal, South Africa | A.Earl (USA) |
| Molecular epidemiology and evolutionary Genetics of M.TB isolated from different parts of India | S.Singh (India) |
| Genomic diversity of drug-resistant M.TB isolates in Lisbon Portugal: towards tuberculosis genomic epidemiology | I.Portugal (Portugal) |
| Detection of pyrazinamide heteroresistance in Mycobacterium tuberculosis | J.Verngren (Sweden) |
| Whole genome sequencing Based characterization of extensively drug resistant strains (XDR) of Mycobacterium tuberculosis from Pakistan | Z.Hasan (Pakistan) |
| | |

Chairs:

S.Siddiqi (USA)

R.Hasan (Pakistan)

M.al-Knawy (USA)

S.Khann (Cambodia)

Coordinator:

Z.Hasan (Pakistan)



| Chairs: | Population, structure, Genotypes and pathogenic phenotype of M.Bovis in Argentina | A.Cataldi (Argentina) |
|--|--|------------------------|
| A.Cataldi (Argentine) M.Ridell (Sweden) | A national surveillance study by Identification and RFLP genetic Characterization of M.bovis strains in IRAN | N.Mosavari (Iran) |
| S.Hoffner (Sweden) Coordinator: | Bovine tuberculosis in Iran, the past, present and future of a national disease control program | K.Tadayon(Iran) |
| N.Mosaveri (Iran) | Significance of NTM infections in Croatia | V.K.Jankovic (Croatia) |
| | Atomic Force Microscopy of Bacterial Cells | E.Adu (Ghana) |



TUESDAY, MARCH 10^{th} :

| Chairs: D.Cirillo (Italy) | A descriptive analysis of non-tuberculosis mycobacterial infections (NTM) of the upper extremity | M.Al-Knawy (USA) |
|---|--|----------------------|
| I.Mokrousov (Russia) V.Vincent (France) | Non-Tuberculosis Mycobacteria: trend of isolation rate and characteristics of NTM in Cambodia during 2011-2013 | S.khann (Cambodia) |
| D.Schraufnagel (USA) | Recent advances on nontuberculous mycobacteria diseases in asia | D.Schraufnagel (USA) |
| Coordinator : E.Maqdas (Kuwait) | Mycobacterium abscessus; an environmental mycobacteria being a human pathogen | M.Ridell (Sweden) |



Chairs:

M.Merker (Germany)

E.Vosse (Netherlands)

W.Shandera (USA)

H.Jamaati (Iran)

Coordinator:

A.Ahmed (Iraq)

| Use of genetic mutations for prediction of resistance to pyrazinamide in M.TB strains | D.Cirillo (Italy) |
|--|-----------------------------|
| Drug susceptibility Testing of M. tuberculosis by a nitrate reductase assay applied directly on microscopy-positive sputum samples | S.Smaoui (Tunisia) |
| Contribution of katG, ahpC and inhA mutations to the detection of isoniazid-resistant Mycobacterium tuberculosis isolates from Lebanon and Syria | F.Dabboussi (Lebanon) |
| Flouroquinolone resistance in Mycobacterium tuberculosis isolates from Pakistan 2010- 2014:Implications for disease control | R.Hasan (Pakistan) |
| Evaluation of genetic mutations associated with mycobacterium tuberculosis resistance to Izoniazid, rifampicin (MTBDr plus), fluoroquinolone and injectable second-line drug (MTBDRsl) | H.Margaryan (Armenia) |
| Prognostic Significance of Novel katG Mutations in Mycobacterium tuberculosis | F.Valafar (USA) |
| Detection of an integrase gene in clinical isolates of Mycobacterium tuberculosis | M.Arjomandzadegan (Iran) |
| Molecular characterization of multi - resistant tuberculosis isolated from Baghdad, Iraq | R.Ali (Iraq) |
| Understanding Mycobacterium Tuberculosis Evolution in times of antibiotic treatment- a whole genome approach | M.Merker (Germany) |



| Chairs: | Molecular structure of Mycobacterium tuberculosis population in Russia and its | l.Mokrousov (Russia) |
|-----------------------|--|----------------------|
| Chairs. | interaction with neighboring countries | |
| M.Mirsaeidi (USA) | Immunotherapy of patients with multiple and extreme drug resistant pulmonary | |
| J.Verngren (Sweden) | tuberculosis with autologous monocyte-and stem cell-derived dendritic cells | L.Titov (Belarus) |
| J. verligren (Sweden) | vaccine | |
| M.Brito (USA) | | H.Bayram (Turkey) |
| P.Tabarsi (Iran) | Effects of air pollution on respiratory health | |
| Coordinator: | Increasing host oxidative Immune response as a possible new player in treatment of | A.Ahmed (Iraq) |
| | MDR Tuberculosis cases | Timinica (iraq) |
| E.ADU (Ghana) | Perceptions of community members on tuberculosis and its effect on health-seeking | |
| | behavior in Nigeria | R.Kusimo (Nigeria) |
| | | |



WDNESDAY, MARCH 11^{th} :

| Chairs: | An inventory of Ghanaian Medicinal plants used to treat tuberculosis by the Greater Accra and Eastern community | J M.Nguta (Ghana) |
|---|---|--------------------------------|
| R.Mcnerney (UK) | Primary Immunodeficiency leading to Mycobacterial disease | E.van devosse (Netherlands) |
| S.Aliberti (Italy) I.Adcock (UK) M.Marjani (Iran) | Detection of latent and active tuberculosis among HIV positive patients at the North of Tehran | P.Tabarsi (Iran) |
| Coordinator : R.Kusimo (Nigeria) | Epidemiology and Management of Mycobacterial Infections in the Immunocompromised Patient | M.Brito (USA) |



Chairs:

E.Tortoli (Italy)

V.Valcheva (Bulgaria)

A.Skrahina (Belarus)

M.Ahmed (Iraq)

Coordinator:

M.Bates (Zambia)

| Role of pattern recognition receptors in Mycobacterium tuberculosis infection | E.Mortaz (Iran) |
|---|--------------------------|
| An update on Mycobacteria and the development of Allergic diseases | G.Folkerts (Netherlands) |
| Chronic infection with non-tuberculous mycobacteria in patients with non-CF bronchiectasis: comparison with other pathogens | S.Aliberti (Italy) |
| MicroRNA induction in human macrophages associated to infection with ancient and modern TB strains | L.Furci (Italy) |
| Severity of acute respiratory distress syndrome resulting from tuberculosis correlates with bronchoalveolar lavage CXCL-8 expressio | I.Adcock (UK) |
| Implementation of a new model for TB-care in a low endemic setting -a challenge in vain? | V.Storberg (Sweden) |
| Dilemma in TB Diagnostic Testing; Phenotypic or Genotypic Testing | S.Siddiqi (USA) |
| Tuberculosis at post-mortem in Inpatient adults at a tertiary referral centre in sub- Saharan Africa -aprospective descriptive autopsy study | M.Bates (Zambia) |
| Bone and Joint Infections due ro opportunistic Mycobacteria; a review of French experince | V.Vincent (France) |



Chairs:

L.O Larsson (Sweden)

H.Zhavnerko (Belarus)

M.Drancourt (France)

D.Schraufnagel (USA)

Coordinator:

Z.Al.Suwaidi (Qatar)

| The new phylogeny of genus Mycobacterium | E.Tortoli (Italy) |
|--|----------------------|
| Non TB mycobacterial infections in patients with bronchiectasis | R.Sadikot (USA) |
| MDR-TB in Belarus | A.Skrahina (Belarus) |
| Meropenem-clavulanate has high in vitro activity against multidrug-resistant Mycobacterium tuberculosis | L.D.Forsman (Sweden) |
| Accessibility of bacteriological-based diagnosis and prevalence of drug resistance Tuberculosis in previous treated tuberculosis patients | Qi.Zhao (China) |
| Dominance of the Beijing genotype among XDR Mycobacterium tuberculosis strains .Russia | A.Vyazovaya (Russia) |



Poster Presentation Program:

Sunday, March 8^{th} :

| PP-1 | Contribution of the QuantiFERON-TB Gold-in tube test in the diagnosis of latent tuberculosis in children living with smear-positive pulmonary tuberculosis patients | L.Baough (Algeria) |
|------|---|--------------------|
| PP-2 | The longitudinal trends of multidrug and extensively drug resistant tuberculosis in China | Yi.Hu (China) |
| PP-3 | Rapid genotypic detection of rifampin-and isoniazid-resistant M.tuberculosis by use of MAS-PCR | K.Ansarin (Iran) |
| PP-4 | Using of brief-culture on Lowenstein-Jensen media as pre-polymerase chain reaction (Pre-PCR) to detect of mycobacterium | M.Esmaeili (Iran) |
| PP-5 | The role of porins in copper acquisition by mycobacteria | M.Haali (Iran) |
| PP-6 | Evaluation of adenosine deaminase (ADA) and ADA1 and ADA2 isoenzyme activities in patients with pulmonary tuberculosis and tuberculous pleurisy | L.Titov (Belarus) |
| PP-7 | Comparison of PPD test in household contacts of smear positive and negative tuberculosis (TB) | Z.Azarkar (Iran) |



| PP-8 | Proteins purified from M. tuberculosis MDR and susceptible clinical isolates: Identification by proteomics approach | A.Hadizadeh (Iran) |
|-------|--|-----------------------------|
| PP-9 | Comparative evaluation of LAMP and Nested-PCR for the diagnosis of bovine paratuberculosis | O.Heidarnezhad (Iran) |
| PP-10 | Rapid molecular detection of rifampin resistance-tuberculosis in Basrah Governorate-South of Iraq | A.Al-Mussawi (Iraq) |
| PP-11 | Evaluation of GeneXpert MTB/RIF for the detection of M. tuberculosis and resistance to rifampin in extra-pulmonary specimens | S.Smaoui (Tunisia) |
| PP-12 | Rapid detection of rifampin and isoniazid resistance in M.tuberculosis isolates using high resolution melting curve analysis | M.Haeli (Iran) |
| PP-13 | Diagnostic criteria in children with tuberculosis; a cross-sectional study | M.Hasanzad (Iran) |
| PP-14 | IPT uptake among child contacts of TB patients-Experience from the Indushospital TB program- Karachi, Pakistan | A.Malik (Pakistan) |
| PP-15 | Laboratory quality stepwise implementation tool; National Reference TB laboratory of Iran | D.Malekshahian (Iran) |
| PP-16 | Rapid identification of environmental NTM Species using molecular genotyping | D.Malekshahian (Iran) |
| PP-17 | Designing and evaluation of rapid molecular assays for first and second line antituberculosis drugs | M.Arjomandzadegan (Iran) |



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|-------|---|--------------------------|
| PP-18 | Utility of line probe assay for diagnosis of extra-pulmonary tuberculosis | J.Farooqi (Pakistan) |
| PP-19 | Evaluation of sensitivity and specificity of GenoType MTBDRplus line probe assay in rapid diagnosis of tuberculous pleural effusion | M.Irfan (Pakistan) |
| PP-20 | Diagnosis of lymph node tuberculosis using GeneXpert MTB/RIF in Tunisia | L.Slim-Saidi (Tunisia) |
| PP-21 | Prevalence of multidrug resistance M. tuberculosis in Iran: systematic review and meta-analysis | R.Ramazamzadeh (Iran) |
| PP-22 | Development and optimization of an ESAT6-ELISA-based detection system of M.tuberculosis complex, suitable for bovine TB eradication | N.Mosavari (Iran) |
| PP-23 | Outcome of drug resistance tuberculosis treatment among HIV positive patients at the tertiary center in Tehran | P.Tabarsi (Iran) |



Monday, March 9^{th} :

| PP-24 | Characterization of genomic variations in SNPs of PE_PGRS genes reveals deletions and insertions in extensively drug resistant M. tuberculosis strains from Pakistan | Z.Hasan (Pakistan) |
|-------|--|---------------------------|
| PP-25 | Phylogenetic associations with demographic, epidemiological and drug resistance characteristics of M.tuberculosis lineages in the SITVIT2 database | N.Rastogi (Guadeloupe) |
| PP-26 | Determination of circulating M. tuberculosis strains and transmission patterns among TB patients in Iran, using 15 loci MIRU-VNTR | S.Zamani (Iran) |
| PP-27 | Prevalence of M.tuberculosis T family in different continent (2000-2012): a systematic review and meta-analysis | S.Rouhi (Iran) |
| PP-28 | Prevalence of M. tuberculosis LAM family in the worldwide population: asystematic review and meta- analysis | P.Shakib (Iran) |
| PP-29 | Genotyping and drug susceptibility testing of M. tuberculosis isolates from Iran | M.Haeli (Iran) |
| PP-30 | Genomic analysis of M.tuberculosis in respiratory positive-smear patients using PGRS- RFLP in northwest and west provinces of Iran | M.Seyyedi (Iran) |
| PP-31 | Tuberculosis in Qatar | Z.Al-Suwaidi (Qatar) |
| PP-32 | Pyrazinamide resistance in Swedishmultidrug-resistant tuberculosis 2003-2013 | M.Mansjo (Sweden) |



| PP-33 | High proportion ofmultidrug resistant M. tuberculosis among children in Pakistan | S.Shakoor (Pakistan) |
|-------|---|-----------------------------|
| PP-34 | Interleukin-12 gene polymorphism in children with BCG-osis from Iran | M.Afraei (Iran) |
| PP-35 | Impact of diabetes mellitus on tuberculosis drug resistance in new cases of tuberculosis | P.Baghaei Shiva (Iran) |
| PP-36 | Co-infection of opportunistic mycosis and M.tuberculosis in patients attending the central tuberculosis reference laboratory of Ghaemshahr city, Iran | M.R.Jabbari Amiri (Iran) |
| PP-37 | Evaluation of P2X7 and IFN-gamma genes Polymorphisms in patients with pulmonary tuberculosis using PCR-RFLP method | M.Shamsi (Iran) |
| PP-38 | Immunologic finding of disseminated granuloma reaction in patients with M.tuberculosis and sarcoidosis | M.Alinejad (Iran) |
| PP-39 | Demographic distribution of diabetes-tuberculosis comorbidity in Eastern rural China | Q.Zhao (China) |
| PP-40 | Susceptibility to tuberculosis among pulmonary tuberculosis patients; P2X7 and TNF- α gene polymorphisms | M.Varahram (Iran) |
| PP-41 | Molecular analysis of Mycobacterium Isolates from patients with BCG Induced Lymphadenitis | F.Doustdar (Iran) |



| PP-42 | Study of M.bovis genotypes in human and bovine isolates using spoligotyping, MIRU-VNTR and RFLP-PCR | P.Khaleghian (Iran) |
|-------|--|-----------------------|
| PP-43 | Pest Rodents as the essential elements of M.bovis controlling programs | N.Mosavari (Iran) |
| PP-44 | Avian tuberculosis in flocks of pigeons and Its potential Impact on tuberculination of cattle | N.Mosavari (Iran) |
| PP-45 | Isolation, Identification and molecular characterization of M.bovis from tuberculin positive cattle in Hamedan province | N.Mosavari (Iran) |
| PP-46 | Occurrence of bovine TB in Iranian cattle herds of Khuzestan, a laboratory study on postmortem specimens from tuberculin-positive cows | R.Ghaderi (Iran) |
| PP-47 | Comparative study between routine and molecular diagnosis of Mycobacterium species which isolated from human and bovine | A.N.Al Thwani (Iraq) |
| PP-48 | Genotyping of M.avium subsp. avium isolates from naturally infected lofts of domestic pigeons by IS901 RFLP | K.P Asadollahi (Iran) |



Tuesday, March 10^{th} :

| Prevalence of rapidly growing mycobacteria (RGM) in Iran: systematic review and meta-analysis | M.J.Nasiri (Iran) |
|---|--|
| Nontuberculous mycobacterium in a tertiary tuberculosis center in Iran: dispensation and outcome of treatment | P.Tabarsi (Iran) |
| Mycobacterium chelonae isolates among new and previously treated pulmonary tuberculosis patients in Basra Government, South of Iraq, and Anti-tuberculosis Drugs Resistance | A.Al-Mussawi (Iraq) |
| Radiologic findings in patients with smear negative Pulmonary Tuberculosis | A.Ebrahimzadeh (Iran) |
| Review and meta-analysis of nontuberculous mycobacteria in the Middle East | Z.Derakhshani (Iran) |
| First report of occurrence of M.tuberculosis and non-tuberculosis mycobacteria in a heterozygous carrier of chronic granulomatous patient | D.Soroush (Iran) |
| Tuberculosis lymphadenitis in a south-eastern region in Tunisia: epidemiology, clinical features, diagnosis and treatment | S.Smaoui (Tunisia) |
| Investigation on M bovis population by RFLP scheme, in two main provinces of Iran | N.Mosavari (Iran) |
| | Nontuberculous mycobacterium in a tertiary tuberculosis center in Iran: dispensation and outcome of treatment Mycobacterium chelonae isolates among new and previously treated pulmonary tuberculosis patients in Basra Government, South of Iraq, and Anti-tuberculosis Drugs Resistance Radiologic findings in patients with smear negative Pulmonary Tuberculosis Review and meta-analysis of nontuberculous mycobacteria in the Middle East First report of occurrence of M.tuberculosis and non-tuberculosis mycobacteria in a heterozygous carrier of chronic granulomatous patient Tuberculosis lymphadenitis in a south-eastern region in Tunisia: epidemiology, clinical features, diagnosis and treatment |



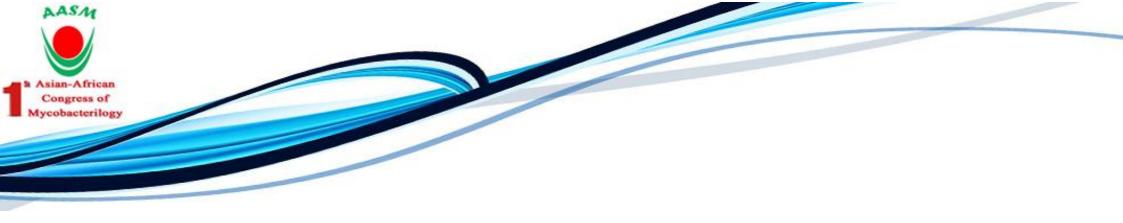
| PP-57 | Phenotyping and genotyping identification of non-tuberculosis mycobacterium isolated from pulmonary tuberculosis suspected patients in Basra Governorate | AZ.Hasan (Iraq) |
|-------|--|------------------------------|
| PP-58 | Nontuberculous mycobacterial disease in North America | G.Ebrahimi (USA) |
| PP-59 | National hospital costs for pulmonary mycobacterial diseases in the US from 2001 to 2012 | M.Allen (USA) |
| PP-60 | Effect of pulmonary hypertension on outcome of pulmonary tuberculosis | M.Marjani (Iran) |
| PP-61 | Challenges and opportunities in drug resistant TB | Gh.Cassell (USA) |
| PP-62 | Safe and cost effective treatment response monitoring of MDR pulmonary tuberculosis by using Microony broth culture method | K.Jabeen (Pakistan) |
| PP-63 | Burden of potentially novel Species of non tuberculosis mycobacteria in Iranian tuberculosis laboratories | A.Hashemi Shahraki (Iran) |
| PP-64 | Infection caused by an unusual Isolate of non-tuberculosis mycobacteria in Iran | A.Hashemi Shahraki (Iran) |
| PP-65 | History of treated pulmonary tuberculosis will also be as an underlying of opportunistic aspergillosis by Aspergillusflavus: a case report | A.Hosseinnejad (Iran) |
| PP-66 | Default of treatment in patients with tuberculosis during 10 Years after standardized drug treatment | S.Jabbedari (Iran) |



| PP-67 | Seasonality in TB notification in Nigera: Reality or myth? | O.Kosimo (Nigeria) |
|-------|---|----------------------------|
| PP-68 | The anti-mycobacterial activity of the extract of ferula gummosa | P.Khiabani Rad (Iran) |
| PP-69 | The Antimicrobial effect ofaquatic extract ofSalvadora Persica on M.Bovis in invitro | M.Esmaeili (Iran) |
| PP-70 | Extraction of Rosa damascena as a antibacterial agent | M.M.Karimi Yazdi (Iran) |
| PP-71 | Pharmacokinetics and dose response of three different anti-TB drugs in rat(balb/c) infection model of tuberculosis | P.Mohammadzadeh (Iran) |
| PP-72 | Prevalence of primary ethambutol resistance in new smear positive pulmonary TB cases | D.Malekshahian (Iran) |
| PP-73 | Implementing joint tuberculosis projects in Somaliland and Sweden for mutual strengthening of programs and research | V.Storberg (Sweden) |
| PP-74 | M.tuberculosis infected macrophages lead to apoptosis of antigen activated CD8 T cells | M.Sharman (India) |
| PP-75 | Cell wall associated M.tuberculosis rRv3083 Protein stimulates macrophages through Toll Like Rceptor-2 (TLR2) | S.Sharman (India) |



| PP-76 | Chitosan nanoparticles Improve both Th1 and Th2 Immune Responses against novel M.tuberculosis fusion protein | M.Tebianian (Iran) |
|-------|--|---------------------|
| PP-77 | Drug susceptibilities of M.tuberculosis against injectable second line drugs from Pakistan: Analysis of multidrug resistant and non-multidrug resistant tuberculosis strains | K.Jabeen (Pakistan) |
| PP-78 | Cloning, expression and purification of Ag85A-ESAT6 antigens of M.tuberculosis as a fusion protein | S.M.Moazzeni (Iran) |



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Dr L.P. Titov

Dr Jalaledin Ghanavi

Dr Fadila-Boulahbal

Dr R.Mcnerney

Dr L.M Davies Forsman

Dr Nader Mosavari



Posters presentation:

Dr Zahra Hasan

Dr Amina N. Al-Thwani

Dr A.R. Hadizadeh Tasbiti

Dr Yi Hu



The information for Next Congress will be announced....