

### **Minutes of the Scientific Advisory Committee (SAC)**

Meeting of the SAC of MGM Institute of Health Sciences, Navi Mumbai was held on 14<sup>th</sup> August 2015 in the Conference Hall. The following functionaries had participated in the meeting:

1. Dr Smita Mahale	:	Chairperson
2. Dr Alaka Deshpande	:	Member
3. Dr Chander P Puri	:	Member
4. Dr Savita Sahani	:	Member Secretary
5. Dr V K Suri	:	Member
6. Dr P S Chauhan	:	Member
7. Dr Atmaram Bandivedkar	:	Member
8. Dr Deepak Modi	:	Member
9. Dr Chander Shekar	:	Member
10. Dr R S Inamdar	:	Member
11. Dr D S Joshi	:	Member
12. Dr H R Jerajani	:	Member
13. Dr Sandhya Agarwal	:	Member

Dr. Smita Mahale Chaired the meeting.

Following projects were discussed

**Title : "Development of natural dipeptidyl peptidase-4 inhibitors with cardioprotective potential in experimental diabetes"**

PhD Student	:	Manjusha K Borde
Guide	:	Dr Ipseeta Ray*
Subject	:	Pharmacology

**Candidate was advised that:**

- Control group should be treated by vehicle which is being used for treatment group
- Haematological parameter should be included in safety profile

**It was commented by members that:**

- Histology shown in presentation is not matching with the score given for them. Also advised to mention scale used for scoring tissue histology.
- Vildagliptin combine with metformin has not shown any significant difference compared to metformin alone therefore it was advised to add another group treated with only vildagliptin and test drug can be compared to it. DPP-4 inhibition should be estimated by estimating GLP levels which is more reliable parameter.

**Title : "To study effect of topical corticosteroids on blood pressure in laboratory animals and in humans"**

<b>PhD Student</b>	<b>:</b>	<b>Chetan S Javsen</b>
<b>Guide</b>	<b>:</b>	<b>Dr Y A Deshmukh*</b>
<b>Subject</b>	<b>:</b>	<b>Pharmacology</b>

**Candidate was advised to:**

- Mention details of methodology of steroid estimation. Dr. Chauhan asked regarding justification for use of experimental animals when all required information in this study can be obtained in human volunteer model and in patients.
- Mention the brand name of steroids used and keep the record of batch no which is used for experiment as well as retain the cash memo if the drugs are purchased from market.
- Keep uniformity for site and method of drug application.
- Age group of healthy volunteers participated in study was not mentioned.
- Results were not compiled and analyzed.

**Title: "Evaluation of multi-sized gold nanoparticles associated reproductive toxicity in male and female zebrafish (*Dani rerio*)"**

<b>PhD Student</b>	<b>:</b>	<b>Navami Dayal</b>
<b>Guide</b>	<b>:</b>	<b>Dr D S Joshi*</b>
<b>Subject</b>	<b>:</b>	<b>Biotechnology</b>

Candidate was advised to estimate pituitary hormones as a marker of reproductive organ dysfunction.

**Title : "Phenotypic and genotypic study of klebsiella species with special reference to virulence factors and antimicrobial resistance pattern"**

<b>PhD Student</b>	<b>:</b>	<b>Rakesh Prasad Sah</b>
<b>Guide</b>	<b>:</b>	<b>Dr A D Urhekar*</b>
<b>Subject</b>	<b>:</b>	<b>Microbiology</b>

Progress of the work was found satisfactory.

**Title : "Studies on the mechanism of action of homeopathic drugs on Osteoporosis in Zebra Fish Model"**

<b>PhD Student</b>	<b>:</b>	<b>Himanshu Gupta</b>
<b>Guide</b>	<b>:</b>	<b>Dr D S Joshi*</b>
<b>Subject</b>	<b>:</b>	<b>Genetics</b>

Advised to restructure the work and present it in next meeting

**Title : "Studies to validate safety and to understand mechanisms of ayurvedic formulation Raupy Suvarna Sootshekhar (RSS)"**

PhD Student	:	Smital Kulkarni
Guide	:	Dr Nishigandha Naik*
Subject	:	Biotechnology

Progress of the work was found satisfactory.

**Title : "Proliferative capacity and functional activity of thyroid progenitor cells in developing human fetuses". (Ethical Approval)**

PhD Student	:	Kishore Patil
Guide	:	Dr Anjali Sabnis*
Subject	:	Anatomy

Advised to consider maternal parameters during data analysis.  
Project was approved by the committee.

**Title : Differentiation of activity of tuberculosis on basis of detection of secretory lipolytic enzymes of tubercle bacilli in blood in children**

PhD Student	:	Dr Vijay Kamale
Guide	:	Dr Prisca Colaco
Subject	:	Pediatrics

Candidate was advised to follow strictly bio-safety guidelines while handling the biological material. Dr. Mahale asked that as per literature search whether biomarkers mentioned are reliable in correlating bacterial load.

**Title : " Study of plasmodium specific phospholipases A2 levels in children with malaria and co-relation of its level with severity of malaria in children"**

PhD Student	:	Dr Jeetendra Gavhane
Guide	:	Dr Nitin N Kadam
Subject	:	Pediatrics

The project work is yet to be started.

**MGM INSTITUTE OF HEALTH SCIENCES**  
(Deemed University u/s 3 of UGC Act, 1956)  
**Accredited Grade A by NAAC**

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The committee recommended for recognition as a PhD guide for following faculty members: Dr. Maninder Singh Setia, Dr Mansee Thakur and Dr Deepak Bhosle.

The meeting ended with the thanks to the chair. Date and agenda for next meeting to be decided.

*bsean*

(Member Secretary)



**MGM INSTITUTE OF HEALTH SCIENCES**  
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**Accredited Grade A by NAAC**


**Minutes of the Scientific Advisory Committee (SAC)**


Meeting of the SAC of MGM Institute of Health Sciences, Navi Mumbai was held on 5<sup>th</sup> October 2015 in the Conference Hall. The following functionaries had participated in the meeting:

- |                           |   |                  |
|---------------------------|---|------------------|
| 1. Dr S V Chiplunkar      | : | Chairperson      |
| 2. Dr Chander P Puri      | : | Member           |
| 3. Dr Savita Sahani       | : | Member Secretary |
| 4. Dr Abhay Chowdhary     | : | Member           |
| 5. Dr Atmaram Bandivdekar | : | Member           |
| 6. Dr Ipseeta Mohanty     | : | Member           |
| 7. Dr D S Joshi           | : | Member           |
| 8. Dr Z G Badade          | : | Member           |
| 9. Dr R S Inamdar         | : | Member           |

The Project entitled "Non-invasive TB triage & patient mapping platform using breath via low-cost titanium dioxide nanotube sensor" was presented during the meeting of the Scientific Advisory Committee of MGM Institute of Health Sciences held on 5<sup>th</sup> October 2015. We are informed that the project is under consideration for funding by the IKP Initiative on TB Control Programme.

Scientific Advisory Committee approved this study of development of a point-of-care test for diagnosis of tuberculosis at MGM Institute of Health Sciences.

  
Dr. S V Chiplunkar  
Chairperson, SAC  
Director  
ACTREC, Tata Memorial Centre  
Kharghar, Navi Mumbai

  
Dr. Savita Sahani  
Member Secretary, SAC  
Professor  
Department of Pharmacology  
MGM Medical College & Hospital  
Kamothe

### **Minutes of the Scientific Advisory Committee (SAC)**

Meeting of the SAC of MGM Institute of Health Sciences, Navi Mumbai was held on 24<sup>th</sup> November 2015 in the Conference Hall. The following functionaries had participated in the meeting:

1. Dr Chander P Puri	:	Chairperson
2. Dr Savita Shahani	:	Member Secretary
3. Dr V K Suri	:	Member
4. Dr Z G Badade	:	Member
5. Dr Atmaram Bandivedkar	:	Member
6. Dr Deepak Modi	:	Member
7. Dr R S Inamdar	:	Member
8. Dr D S Joshi	:	Member
9. Dr H R Jerajani	:	Member
10. Dr Raman P Yadav	:	Member
11. Dr Ipseeta Ray	:	Member

Dr. Chander P Puri, Chaired the meeting in the absence of Dr. Smita Mahale.

Following projects were discussed for RRC approval

**Title : "Study of the neuronal and glial changes in olfactory pathway with age"**

<b>PhD Student</b>	:	<b>Monali Sonawane</b>
<b>Guide</b>	:	<b>Dr. Aruna Mukherjee</b>
<b>Subject</b>	:	<b>Anatomy</b>

Dr. Raman Yadav suggested to include some parameters to determine molecular basis for changes in neuronal tissue and look into changes in extracellular matrix and collagen distribution pattern as additional parameters.

Dr. Deepak Modi suggested to include some additional parameters for their effect on degenerative changes in neuronal tissue like difference degenerative changes in both the genders, or any difference observed in neurons due to presence of diabetes or other metabolic disorders, psychosomatic disorders.

Dr. D S Joshi suggested to include history of alcohol consumption, smoking/tobacco consumption, malnutrition and presence of infection at time of death. He also advised to get information regarding time of death to time taken for processing of brain tissue and to keep uniformity if possible to avoid variation.

Dr. Ipseeta Ray suggested to grade the degenerative changes to quantify the degree of neurological destruction.

The project was approved in principal and candidate was asked to submit revised proposal incorporating the changes as advised as well as to process for submission of project to ethics committee.

**Title : "Age related changes in human hypothalamus"**

<b>PhD Student</b>	<b>:</b>	<b>Pravin Rathod</b>
<b>Guide</b>	<b>:</b>	<b>Dr. Aruna Mukherjee</b>
<b>Subject</b>	<b>:</b>	<b>Anatomy</b>

Candidate was advised to relax the exclusion criteria to get sufficient sample specimens in each group.

Dr. Deepak Modi suggested to include some additional parameters for their effect on degenerative changes in neuronal tissue like difference degenerative changes in both the genders, or any difference observed in neurons due to presence of diabetes or other metabolic disorders, psychosomatic disorders.

Dr. D S Joshi suggested to include history of alcohol consumption, smoking/tobacco consumption, malnutrition and presence of infection at time of death. He also advised to get information regarding time of death to time taken for processing of brain tissue and to keep uniformity if possible to avoid variation.

Dr. Ravindra Inamdar suggested to look for changes in vascular tissue and to find its correlation with neurological degeneration.

The project was approved in principal and candidate was asked to submit revised proposal incorporating the changes as advised as well as to process for submission of project to ethics committee.

**Title: "Connotation of plasma resistin level in obesity, type-2 diabetes and coronary artery disease "**

<b>PhD Student</b>	<b>:</b>	<b>Vijay Shah</b>
<b>Guide</b>	<b>:</b>	<b>Dr. Z.G. Badade</b>
<b>Subject</b>	<b>:</b>	<b>Biochemistry</b>

Dr. C P Puri commented that project requires revision as it was not adequately prepared and no new information may be obtained with the study. Candidate was asked to submit revised proposal after a through literature review so that some purposeful new information may be obtained. Mr. Vijay Shah and Dr. Badade, PhD Guide, agreed with the recommendations.

**Title : "An epidemiological assessment of brucellosis and associated risk factors in Nagpur District, Maharashtra"**

<b>PhD Student</b>	<b>:</b>	<b>Satish Ghugey</b>
<b>Guide</b>	<b>:</b>	<b>Dr. Maninder Setia*</b>
<b>Subject</b>	<b>:</b>	<b>Community Medicine</b>

Samples collected from 2 PHC may not be true representation of burden of brucellosis in entire Nagpur District therefore title may be reformatted.

Dr. Deepak Modi suggested that as both the PHC selected are within a short distance there should be a mechanism to avoid duplication of samples.

Dr. Shahani suggested to take history of antibiotic intake by patient visiting PHC as such patients may not show true symptom of disease which may result in false incidence of disease. It was also suggested to him to look into sample size as for epidemiological study perhaps larger sample size may be required.

Dr. Jerajani suggested him that some patients of brucellosis may show dermatological presentation and may not be detected with current inclusion criteria.

Dr. Raman Yadav asked regarding the specificity and sensitivity of diagnostic kit used here.

The project was approved in principal. It was suggested to resubmit revised protocol incorporating the changes as suggested.

**Title : "Impact of parent-child education package on psychosocial adjustment and academic performance among teen agers with internet addiction disorder in selected schools of Mumbai "**

<b>PhD Student</b>	<b>: Farjana Begam</b>
<b>Guide</b>	<b>: Dr. Prabha Dasila</b>
<b>Subject</b>	<b>: Nursing</b>

Calculation of screen time may have lots of variability in data collected from various schools as in few schools candidate may have to do internet search as an academic activity.

Dr. Shahani commented that children of class IX and X may not be true representative of teen agers as during this period due to academic pressure internet usage may be less.

Dr. Puri suggested to recalculate the sample size as epidemiological studies may require larger sample size.

Dr. Deepak Modi advised to validate the tools in Indian population as these tools have been generated based on western studies. Also details of tools used for the study were not presented.

Members were of opinion that study may show a wide variation depending upon the board to which the school selected is attached.

The project was approved in principal. Candidate was advised to resubmit the revised protocol incorporating the changes as suggested.



**Title : "Non-Invasive tuberculosis triage and patient mapping platform using breath via low-cost titanium dioxide nanotube sensor"**

PhD Student	:	Samir Pachpute
Guide	:	Dr. A D Urhekar
Subject	:	Microbiology

Title may be modified which should indicate the study being planned.

Dr. Deepak Modi suggested that pregnancy may not be an <sup>Ex</sup>clusion criteria as it is a non invasive technique and does not require any internal chemical molecule administration. He also suggested that in group where HIV +ve cases are included, cutoff values for viral load and CD4 counts may be specified. He was also advised to increase sample size to 600. Dr. A Bandivedkar advised to follow proper safety precautions while collecting the samples and disposal of used materials.

The project was approved in principal and candidate was advised to submit revised proposal incorporating the changes as advised as well as to process for submission of project to ethics committee.

**Progress of following projects were evaluated by the Scientific Advisory Committee:**

**Title : "Identification and characterization of a biomarker for the diagnosis of ulcerative colitis"**

PhD Student	:	Allan Rodrigues
Guide	:	Dr. Chander Puri
Subject	:	Biotechnology

**Comments:**

Members expressed satisfaction over progress of work.

Dr. Deepak Modi advised to use still lower dilutions of columns for neutrophil nuclear extraction and fractionation for better results.

Candidate was advised to look into factors responsible for showing few false negative results compared to standard kit.

**Title : "Effect of Doxycycline and Oxytetracycline on neuromuscular junction"**

PhD Student	:	Savitri Katlam
Guide	:	Dr. Y A Deshmukh
Subject	:	Pharmacology

**Comments :**

The progress and quality of work was not satisfactory.

Candidate was advised to complete the research work fast. She was also advised to check for statistical values and perhaps it may require to use some other statistical test to bring up a meaningful result.

Savitri Katlam was asked to review the entire scope of work and progress with PhD Guide.

**Title : "To study effect of topical corticosteroid on blood pressure in healthy human volunteers and human patients requiring topical corticosteroids therapy"**

PhD Student	: Chetan Javasen
Guide	: Dr. Y A Deshmukh
Subject	: Pharmacology

**Comments :**

The progress and quality of the work pursued was not satisfactory.

Candidate was advised to recheck statistical values.

He was also advised by Dr. H Jerajani to see for correlation between area of steroid application v/s change in blood pressure. He was also being advised to correlate transdermal absorption of corticosteroid V/s phase of psoriasis as during inflammatory phase steroid absorption may be more compared to in stabilized phase.

Candidate was also advised to see for explanation for lack of correlation between change in Blood pressure V/s plasma steroid concentration.

He was also being asked whether a uniformity was maintained in time gap between drug application and measurement of clinical data.

**Title : "Potent pancreatic lipase inhibitor from food plants and development of safer anti-obesity formulation"**

PhD Student	: Sveeta V. Mhatre
Guide	: Dr. Raman P. Yadav
Subject	: Biotechnology

Members expressed satisfaction over progress of work.

**Title: "Developing natural alternatives to synthetic dipeptidyl peptidase IV inhibitors for diabetes with metabolic syndrome"**

PhD Student	: Rajesh Kumar Suman
Guide	: Dr. Ipseeta Ray
Subject	: Pharmacology

Members expressed satisfaction over progress of work.

**Title: "Development of molecular diagnostic techniques for detection of mycobacterium tuberculosis and its drug resistant variants"**

<b>PhD Student</b>	<b>: Girish Pai</b>
<b>Guide</b>	<b>: Dr. D. S. Joshi</b>
<b>Subject</b>	<b>: Biotechnology</b>

**Comments:**

Candidate was asked to explain regarding observations for few cases which were culture positive but RT PCR could not detect them which may lead to under diagnosis of disease.

**Title: "Development of highly specific immunoassays for prostate cancer through molecular characterization of existing markers"**

<b>PhD Student</b>	<b>: Paresh Bhanushali</b>
<b>Guide</b>	<b>: Dr. Chander Puri</b>
<b>Subject</b>	<b>: Biotechnology</b>

Members expressed satisfaction over progress of work

Meeting ended with vote of thanks.

  
(Member Secretary)

**Minutes of the Scientific Advisory Committee (SAC)**

Meeting of the SAC of MGM Institute of Health Sciences, Navi Mumbai was held on Monday 19<sup>th</sup> May 2016 in the Conference Hall. The following functionaries had participated in the meeting:

1. Dr S V Chiplunkar	:	Chairperson
2. Dr. Smita Mahale	:	Member
3. Dr. Abhay Chowdhary	:	Member
4. Dr Atmaram Bandivedkar	:	Member
5. Dr. G Subramaniam	:	Member
6. Dr. Prasanna Venkatraman	:	Member
7. Dr Chander P Puri	:	Member
8. Dr. V K Suri	:	Member
9. Dr Savita Shahani	:	Member Secretary
10. Dr. Z G Badade	:	Member
11. Dr G D Jindal	:	Member
12. Dr R S Inamdar	:	Member
13. Dr. Raman P Yadav	:	Member
14. Dr D S Joshi	:	Member
15. Dr H R Jerajani	:	Member
16. Ipseeta Ray	:	Member

Dr. S V Chiplunkar Chaired the meeting.

Following Synopsis were discussed :

**Title :** Evaluation of multi-sized gold nanoparticles associated reproductive toxicity in male and female zebrafish (Daaniorerio)

<b>PhD Student</b>	:	<b>Navami Dayal</b>
<b>Guide</b>	:	<b>Dr D S Joshi</b>
<b>Subject</b>	:	<b>Biotechnology</b>

The synopsis was approved with following suggestions:

The members suggested to look for similarities of ovulatory cycle between zebra fish and human beings. He also commented that effect of nano particles on prostate / pituitary should have been observed in reproductive toxicity.

It was also suggested to use appropriate units for concentration as well as data regarding estimation of purity of nano particles in solution used for feeding zebra fishes. It was also

suggested that measurement of size of nanoparticle concentration in reproductive organs could have given better correlation of tissue toxicity.

**Title :** Development of molecular diagnosis techniques for detection of mycobacterium tuberculosis and its drug resistant variants

PhD Student	:	Girish Pai
Guide	:	Dr D S Joshi
Subject	:	Biotechnology

The synopsis was approved but following suggestions were given by members:

To correlate multiple bands seen in electrophoresis with clinical history. It was also suggested that lab parameters may not always correlate with clinical efficacy of the drug as body's immune reaction as well as compliance of drug intake are not being considered in *invitro* studies.

**Title :** Microbiological and genomic study of aspergillosis and standardization of cost effective antifungal drug susceptibility testing

PhD Student	:	Raksha
Guide	:	Dr A D Urhekar
Subject	:	Microbiology

The members suggested to optimize PCR as there are different size of bands seen which requires explanation in details.

Data presented showed few mortalities in subjects whose sample were tested positive for aspergillosis which requires clinical correlation. Dr. Chiplunkar suggested to compare culture results with subject's circulating antigen detection.

For better correlation, and candidate was asked to look for feasibility of antigen detection from blood.

It was also suggested that candidate should incorporate additional data as suggested, enhance subject knowledge and repeat gene sequencing studies. Synopsis to be presented again for review by SAC.

**Title :** Virulence factors, molecular characterization & Clinical correlation of Candida species isolated from various specimens in a tertiary care hospital

PhD Student	:	Rakesh Mukhia
Guide	:	Dr A D Urhekar

**Subject : Microbiology**

The members suggested to repeat DNA sequencing.

It was also suggested that to correlate laboratory and clinical data and to collect additional clinical data as well as enhance subject knowledge. Synopsis to be presented again for review by SAC.

**Title :** To determine the prevalence serological and molecular markers of hepatitis B virus in voluntary blood donors from Maharashtra

<b>PhD Student</b>	<b>:</b>	<b>Amruta Sonawane</b>
<b>Guide</b>	<b>:</b>	<b>Dr Aruna Shankarkumar</b>
<b>Subject</b>	<b>:</b>	<b>Biotechnology</b>

The synopsis was approved and candidate was suggested to consult statistician for better understanding of ROC curve.

**Discussion of Progress Reports :**

**Title :** Studies on the mechanism of action of homeopathic drugs on osteoporosis in Zebra Fish Model

<b>PhD Student</b>	<b>:</b>	<b>Himanshu Gupta</b>
<b>Guide</b>	<b>:</b>	<b>Dr D S Joshi</b>
<b>Subject</b>	<b>:</b>	<b>Genetics</b>

Progress of the study was satisfactory.

**Title :** Study of sympathetic and parasympathetic activity in control and hypertensive subjects

<b>PhD Student</b>	<b>:</b>	<b>Manasi S Sawant</b>
<b>Guide</b>	<b>:</b>	<b>Dr. G D Jindal</b>
<b>Subject</b>	<b>:</b>	<b>Biotechnology</b>

Members suggested to consult a statician as there is large variation in data presented.

It was also suggested to add few lab parameters which are altered in hypertension to substantiate the results. Also suggested to subdivide hypertensive patients as per the grade of hypertension and control of blood pressure.

**Title:** GAD-65 auto antibodies as a novel marker in the diagnosis of latent autoimmune diabetes in adults (LADA)

PhD Student	:	Preeti S Pachpute
Guide	:	Dr. Z G Badade
Subject	:	Biochemistry

Members suggested to exclude patients having other autoimmune disorders from the study group, however progress of work was satisfactory.

**Title :** Estrogen Receptor-1 Polymorphism and Osteoprotegerin Gene Polymorphism in Postmenopausal Women

PhD Student	:	Sneha D Pawar
Guide	:	Dr. Z G Badade
Subject	:	Biochemistry

Members suggested to exclude patients with chronic infectious disease as they may effect the results of lab parameters.

**Title :** Study of Chlamydia trachomatis *chlamydia* specific immune response and its association with vaginal flora patterns among women attending a tertiary care hospital in Navi Mumbai

PhD Student	:	Mrinangka Deb
Guide	:	Dr A D Urhekar
Subject	:	Microbiology

Members suggested to include other STDs in symptomatic patients.

**Title :** Pattern of sleep in type 2 diabetes mellitus

PhD Student	:	Santosh Kumar Sah
Guide	:	Dr R S Inamdar
Subject	:	Physiology

Members suggested to keep more specific exclusion criteria.

It was also suggested to sub divide diabetic group based on severity of disease and glycemic control.

**Title:** Study of amylin and inflammatory markers of coronary artery disease with type 2 Diabetes Mellitus

PhD Student	:	Yogita Phaple
Guide	:	Dr. Z G Badade
Subject	:	Biochemistry

Members suggested to consult the cardiologist for selection of markers of CAD.

**Title :** Proliferative capacity and functional activity of retinal progenitor cells in developing human fetuses

PhD Student	:	Prakash Mane
Guide	:	Dr. Anjali Sabnis
Subject	:	Anatomy

Members suggested to consult ophthalmologist to understand the usefulness of this work and for clinical correlation of findings.

**Title :** Embryogenesis of Human Gonads

PhD Student	:	Sumi Elizebeth
Guide	:	Dr. Aruna Mukherjee
Subject	:	Anatomy

Candidate did not present the work.

**Title :** Inhibition studies on Plasmodium faciparum specific enzymes with antiplasmodial agents

PhD Student	:	Upasana Singh
Guide	:	Dr Raman P Yadav
Subject	:	Biotechnology

Candidate did not present the work.

**Title :** Detection and identification of campylobacter from fecal & water samples by conventional & molecular methods

PhD Student	:	Ashrani Kore
Guide	:	Dr A D Urhekar
Subject	:	Microbiology

Candidate did not present the work.



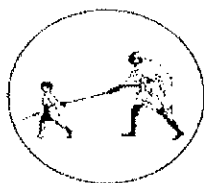
**Title :** Association of circulating microRNAs and Irisin peptide with risk of Myocardial Infarction

<b>PhD Student</b>	:	<b>Santosh Gawli</b>
<b>Guide</b>	:	<b>Dr. Z G Badade</b>
<b>Subject</b>	:	<b>Biochemistry</b>

Candidate did not present the work.

Meeting ended with vote of thanks

  
(Member Secretary)



**MGM INSTITUTE OF HEALTH SCIENCES**  
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Accredited Grade "A" by NAAC

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7<sup>th</sup> July, 2016

**Minutes of the Scientific Advisory Committee (SAC)**

Meeting of SAC of MGM Institute of Health Sciences, Navi Mumbai was held on Wednesday 29<sup>th</sup> June 2016 in the Conference Hall. Copy of the agenda discussed is attached. The following SAC members and PhD Guides had participated in the meeting:

1. Dr Smita Mahale	:	Chairperson
2. Dr Alaka Deshpande	:	Member
3. Dr Abhay Chowdhary	:	Member
4. Dr Atmaram Bandivdekar	:	Member
5. Dr Deepak S Joshi	:	Member
6. Dr Deepak Modi	:	Member
7. Dr Chander P Puri	:	Member
8. Dr V K Suri	:	Member
9. Dr Savita Shahani	:	Member Secretary
10. Dr R S Inamdar	:	Member
11. Dr H R Jerajani	:	Member
12. Dr Ipseeta Ray	:	Member
13. Dr D S Joshi	:	Member
14. Dr Z G Badade	:	Member

Dr. Smita Mahale had Chaired the meeting.

- 1] To confirm the minutes of the meeting held on 19.05.2016:  
Minutes of the meeting held on 19<sup>th</sup> May, 2016 were read out and confirmed.

2.To review the progress of PhD Research Proposals:

The following PhD Six Monthly progress report were presented by the PhD students for review.

### **Presentation of Synopsis :**

**Title : Microbiological and genomic study of aspergillosis and standardization of cost effective antifungal drug sensitivity testing**

<b>PhD Student</b>	<b>:</b>	<b>Raksha</b>
<b>Guide</b>	<b>:</b>	<b>Dr A D Urhekar</b>
<b>Subject</b>	<b>:</b>	<b>Microbiology</b>

Ms. Raksha had presented the synopsis during the SAC meeting held on 19<sup>th</sup> May 2016. The members had not accepted the synopsis and made some recommendations. In this meeting the candidate once again presented the synopsis, with focus on research work pursued to implement the recommendations of the SAC.

Members suggested to assess the correlation between clinical history and drug resistance pattern of aspergillus. At the previous meeting, the members had suggested to estimate levels of circulating antigen. In this regard the candidate explained that the estimation of circulating levels of antigen may not be necessary as the methods used for diagnosis by ELIZA for detection of IgM antibody may be sufficient, which was accepted by the members.

The synopsis was approved and candidate was advised to incorporate all suggestions while writing the dissertation.

**Title : Virulence factors, molecular characterization & Clinical correlation of Candida species isolated from various specimens in a tertiary care hospital**

<b>PhD Student</b>	<b>:</b>	<b>Rakesh Mukhia</b>
<b>Guide</b>	<b>:</b>	<b>Dr A D Urhekar</b>
<b>Subject</b>	<b>:</b>	<b>Microbiology</b>

Ms. Rakesh Mukhia had presented the synopsis during the SAC meeting held on 19<sup>th</sup> May, 2016. The synopsis was not accepted and the members had made some recommendations. In this meeting the candidate presented the synopsis again with focus on research work pursued to implement the recommendations.

Dr. Chowdhary commented that chance detection of fungus from a given sample may not have clinical relevance, candida detection should be correlated with presence of predisposing factors present in subjects enrolled in the study. He also suggested that only pseudohyphae positive cases should be correlated clinically. Dr. Alaka Deshpande suggested to obtain more clinically relevant data by consulting the clinician as mere detection of candida in the sample may be just an association not always the cause. Dr. Mahale also suggested emphasis on clinical correlation of observations.

Synopsis was approved and candidate was advised to incorporate the changes as suggested while writing the thesis.

**Title : Development of natural dipeptidyl peptidase-IV Inhibitors with cardioprotective potential in experimental diabetes**

PhD Student	:	Manjusha Borde
Guide	:	Dr. Ipseeta Ray
Subject	:	Pharmacology

Candidate was advised to add normal control values along with the positive control and drug treated group.

Dr. Bandivdekar asked while only few parameters of safety are included in the study to which Dr. Ipseeta Ray replied that safety was not the main aim of study as various studies have already established regarding safety of these plants.

Dr. Deepak Modi inquired regarding the legend used for binding essay and whether ligand binding site is same or different compared to drug binding.

Synopsis were approved

**Title :** To study effect of topical corticosteroid on blood pressure in healthy volunteers and  
in patients requiring topical corticosteroids therapy

PhD Student	:	Chetan Javsén
Guide	:	Dr. Y A Deshmukh*
Subject	:	Pharmacology

Dr. Y A Deshmukh, PhD Guide could not participate in the meeting due to health-related problem. The work pursued by the candidate was not satisfactory. The members

suggested Mr. Javsén alongwith his guide should discuss with Dr. Jerajani and undertake additional study.

**Discussion of Progress Reports :**

**Title : Study of Chlamydia trachomatis and Chlamydia specific immune response and its association with vaginal flora patterns among women attending a tertiary care hospital in Navi Mumbai**

PhD Student	:	Mrinangka Deb
Guide	:	Dr. A D Urhekar*
Subject	:	Microbiology

Candidate informed that as per the suggestion of members given in previous SAC meeting correlation of Chlamydia infection with other vaginal infection and few STDs as co-infection has been included in study. Inclusion of other STDs as co-infection may not be possible due to financial constrain.

Progress of the work was satisfactory.

**Title : Circulating microRNA profiling in tuberculosis infection and its association with drug resistant tuberculosis**

PhD Student	:	Vishal Wagh
Guide	:	Dr. A D Urhekar*
Subject	:	Microbiology

Dr. Bandivdekar commented that there is clear correlation of 2 types of miRNA with subjects having various types of tuberculosis v/s normal control, as these are also the parameters of immune function will it show different response in other infective disease or in immunocompromised patient. He also suggested to look for ratio of miRNA 155/16 to get any additional information.

Dr. Alaka Deshpande asked whether serum miRNA levels can be used as biomarkers for latent tuberculosis or can it be correlated with therapeutic response of patients, to which Dr. Modi replied that it has yet to be determined.

Progress was found satisfactory.

**Title: Age related changes in human hypothalamus cadaveric study**

PhD Student	:	Pravin Rathod
Guide	:	Dr Aruna Mukherjee*
Subject	:	Anatomy

Progress was found satisfactory

**Title : Study of neuronal and glial changes in human olfactory pathway with age-A cadaveric study**

PhD Student	:	Monali Sonawane
Guide	:	Dr Aruna Mukherjee*
Subject	:	Anatomy

Progress was found satisfactory

**Title : Effect of doxycycline and Oxyteracycline on Neuromuscular junction**

PhD Student	:	Savitri Katlam
Guide	:	Dr. Y A Deshmukh*
Subject	:	Pharmacology

Dr. Y A Deshmukh, PhD Guide could not participate in the meeting due to health-related problem. The progress of work was found not satisfactory. The members suggested that a Doctoral Committee including PhD Guide Dr. Deshmukh, Dr. Ipseeta Ray, Dr. Savita Shahani & Dr. R S Inamdar to be constituted to supervise the work and provide necessary guidance to student.

Dr. Mahale also advised to do more literature search and use proper terminology.

**Title : Clinical Evaluation of novel breath-based Point of Care titanium dioxide nano-tube sensor device for the screening and diagnosis of pulmonary tuberculosis**

PhD Student	:	Samir Pachpute
Guide	:	Dr A D Urhekar*
Subject	:	Microbiology

Members advised that for observing cross reactivity of sensor devise to HIV infection CD4 count may not be considered as a criteria for inclusion.

Work was found satisfactory

**Title : An epidemiological assessment of brucellosis and associated risk factors in South Nagpur**

PhD Student	:	Satish Ghugey
Guide	:	Dr Maninder Setia
Subject	:	Community Medicine

Dr. Bandivdekar suggested that rose Bengal test can be used in a pilot study to test its specificity and sensitivity, usually it is positive if bacterial load is high. Brucella antigen testing is more specific.

Dr. Chowdhary suggested to obtain permissions from relevant authorities for carrying out health survey before starting the study.

**Title: Effect of CPAP and weight loss on biochemical marker in obese diabetic with obstructive sleep apnea patients**

PhD Student	:	Vijay Shāh
Guide	:	Dr. Z G Badade
Subject	:	Biochemistry

Candidate was not satisfied with the progress, he opted not to present his work. He was advised to spend more time working in the lab and discuss with PhD Guide.

**3. Discussion on the Research Publications:**

Research Publications needs to be enhanced by all departments and efforts to be made for publishing the research work carried out during the MD/MS and PhD.

**4. MGM Journal of Medical Sciences:**

The issue of the Journal was reviewed and suggestions to include more articles from the external institutes was suggested.

**5. Any other matter with the permission of Chair:**

As there was no other matter for discussion, meeting ended with vote of thanks.

  
(Member Secretary)