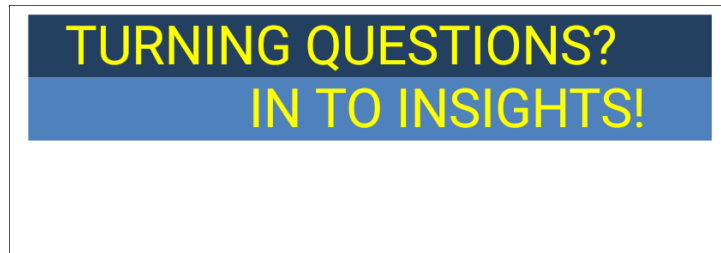


BANGALORE ACADEMY OF PERIODONTOLOGY

**Format of Application for BAP Research
Grants**





Dr.Smitha.K

BDS, MDS, PG Diploma Genetics

BAP Research Assistance Program Chief Co-ordinator

Professor and HOD

Department of Periodontics,

Government Dental College and Research Institute,

Bangalore

Academic activities:

Fellowships awarded:

- Selected for Summer Research Fellowship sponsored by Indian academy sciences for the year 2011, 2013, and 2015.
- Has undergone **Short term course in Bioinformatics at IIT, Delhi** sponsored by DHR
- ICMR has granted financial assistance for the 2 Research project titled **Deciphering the role of the del/del genotype of the nuclear factor- κ B-94ATTG polymorphism in the susceptibility to aggressive periodontitis (Grade-C Periodontitis) in Indian population.** (funded by ICMR, New Delhi)
- Research project titled Evaluating the influence of the non-surgical periodontal treatment on the clinical and biochemical measures of Rheumatoid arthritis-A Randomized controlled study.

Publications : 15 publications in national and International peer reviewed journals.

Paper Presentations : Presented several scientific papers at national and international forum

On behalf of BANGALORE ACADEMY OF PERIODONTOLOGY research proposals are invited from interested Post Graduate students who are associate members of BAP for financial assistance. BAP has initiated this financial assistance program from academic year 2022 to commemorate the Silver Jubilee year. With the aim to provide interest and aptitude for research among Post -Graduate students. The main objective of this program is to provide opportunity for students to promote innovative thinking in biomedical research, inculcate scientific temperament, extraordinary research interests and motivation. The programme is designed to identify young students with brilliant academic records, pursuing postgraduate qualifications and motivate them to opt for career in research.

1. BAP will provide a total financial assistance of Rs-25000/-to selected candidates
2. Number of awards: Limited to 6 per year.
3. Duration of the project: One year from the award of the grants.
4. The results of selected candidates will be declared after the review of the applications/research proposals by expert committee duly constituted for this purpose.
5. 80% of the Grant amount will be released after submission of the undertaking as well as the mandate form(enclosed) to the principal investigator.
6. Applications in prescribed format are to be routed and forwarded through the Guide and Head of the Department of the Institutions.
7. If the candidate leaves or discontinues the project, the whole amount of the award has to be refunded to BAP.
8. Utilization certificate has to be furnished after 1 year of the award.
9. If the proposal is a randomized control trial , then the study has to be registered CTRI or any other equivalent authority.
10. Hard copy of the results must be submitted to BAP office one month before the end of the project period.
11. 20% of the Grant amount will be released after the submission of the final project completion report.
12. Intellectual property rights for the data of the study lie with BAP. Prior to publication investigator should obtain written approval from BAP, with acknowledgement of BAP in the event of publication.
13. Research project should not be part of the dissertation.
14. Contribution of BAP must be acknowledged in publication.
15. An expert committee constituted by the BAP will review the proposals and selection will be done according to set criteria .

APPLICATION FOR GRANT-IN-AID OF AD-HOC RESEARCH PROJECT

Section A GENERAL

1. Title of the Research Project

2. Name and Designation of
 - a. Principal Investigator & Email
 - b. Co-Investigator(s) & Email

3. Duration of Research Project
 - a. Period which may be needed for collecting the data
 - b. Period that may be required for analyzing the data

4. Please note that the font size of the content should be at least **11 pt.**, else the proposal will not be evaluated.

5. Institution responsible for the research project.
Name:
Postal address:

Telephone:
E - mail:
Fax No:

6. Institutional ethical clearance (IEC) and Project approval. Does the Project involve Human studies or Animal experiments?

(Necessary documents indicating institutional ethical clearance must be enclosed for research involving human subjects as also animal experiments. Guidelines of **IEC** for animal experiments should follow CPCSEA requirements and for human studies should follow ICMR guidelines).

Yes _____ No _____

7. Is radio tagged material proposed to be used in the project either for clinical trials or experimental purposes? If so, clearance from Nuclear Medicine Committee, Bhabha Atomic Research Centre, Mumbai, indicating should be attached.

Yes _____ No _____

8. Does the Project involve recombinant DNA/ Genetic engineering work ? If so, Project should be examined and certificate by the Institutional Bio safety Committee (IBSC) to be enclosed. Guidelines for constitution of IBSC can be obtained from Secretary, Department of Biotechnology, CGO Complex, Lodhi Road, New Delhi-110003.

Yes _____ No _____

9. The Head of the Department where the study is being done should ensure that there is no financial conflict of interest by the investigators.

DECLARATION AND ATTESTATION

- i. I/We have read the terms and conditions for Research Grant. All necessary Institutional facilities will be provided if the research project is approved for financial assistance.
- ii. I/We agree to submit within one month from the date of termination of the project the final report and a list of articles, both expendable and non-expendable, left on the closure of the project.
- iii. I/We agree to submit utilization certificate with statement of accounts
- iv. I/We agree to submit (online) all the raw data (along with descriptions) generated from the project to the BAP Data Repository within one month from the date of completion /termination of the project.

Signature of the:

- a. Principal Investigator _____
- b. Co-Investigator(s) _____
- c. Name and signature of Guide _____
- d. Head of the Department _____

Signature of the Head of the Institution with seal

Date:

FORMAT OF RESEARCH PLAN

Section B

1. Title of the proposed research project: should be concise and yet sufficiently descriptive and informative. Title may include study design such as randomized controlled trial; an observational study; a case-control study etc.
2. Summary (up to 250 words): A structured summary should contain the following Sub headings: Background, Novelty, Objectives, Methods, and Expected outcome.
3. Keywords: Six keywords separated by comma which best describe your project may be provided.
4. Abbreviations: Only standard abbreviations should be used in the text. List of abbreviations maximum of ten may be given as a list.
5. Background (up to 500 words): State the background information to adequately present the problem, mention how the research question addresses the critical barrier(s) in scientific knowledge, technical capability, and/or programmatic/clinical/lab practice and its relevance to local, national and international context.
6. Literature review (up to 1000 words): Review to be written cohesively to build justification for the research question to be addressed with reference of key publications in the field. Reference up to 30 in Vancouver style may be provided at the end of literature review. (References will not be included in the word count).
7. Novelty/Innovation (up to 250 words): Describe how the proposal challenges and seeks to shift the current research/knowledge/clinical practice paradigms etc. by utilizing novel theoretical concepts, approaches or methodologies, instrumentation, or interventions etc. Mention if there is a refinement, improvement, or new application of theoretical concepts, approaches or methodologies, instrumentation, or interventions in the proposed study.
8. Study Objectives: Define the objectives clearly and in measurable terms; mention as primary and secondary objectives if necessary. Do not write too many objectives.
9. Methodology (up to 2000 words): Include the following sub-heads
 - i. Study Design: Proposed study design should be appropriate to fulfill all the objectives; details of study design whether descriptive, analytical, experimental, operational, a combination of these or any other; and adequate description of study population should be provided. Explain the rationale of selection of the research participants and controls (human or laboratory animals), whether chosen randomly, consecutively etc. with inclusion and exclusion criteria, rules for discontinuation, definitions of cases, controls and lost to follow up etc.; in case of Intervention studies a detailed description of Intervention (drug/device/behavioral intervention) should be given. The use of quantitative and qualitative methods may be specified if any.

- ii. **Sample Size:** Details of sample size and/or power calculation should be described with references where needed. [Please note: the sample size calculation should provide adequate power to the study to satisfactorily answer all the primary objectives, data from pilot studies can also be used for sample size calculation]. Operational definitions for key variables should be presented. A flow chart indicating study design with number of participants should be given where applicable.
10. **Project Implementation Plan:** Describe the overall strategy for enrollment of participants including collaboration with other departments where applicable, process of enrollment of participants – how, where and by whom will the participants be enrolled, how and when and where will they be followed up; collection, storage and testing of samples; if new tests are being done describe the process of standardization etc. Describe quality assurance processes to accomplish the study objectives.
11. **Ethics Review:** Address review requirements including ethics review [human or animal], approval for use of stem cells, biological etc. and other regulatory reviews/approvals as applicable. Details of obtaining informed consent and its documentation should be described along with risks and benefits to the participants.
12. **Data collection & statistical analysis plan:** Describe the key variables of the study, how will they be measured and unit of measurement. Specify comprehensively the data collection methods and tools are relevant to the study objectives and study design and provide structural components like data entry and analytical platforms to be used for analysis. Present data analysis plan comprehensively mentioning appropriate statistical methods to be used in order to answer/achieve the study objectives.
13. **Expected Outcomes** (up to 100 words)
14. **Limitations of this study** (up to 100 words)
15. **Future plans based on expected outcomes if any** (up to 100 words)
16. **Timelines:** Details of activities to be carried out along with timelines during preparatory phase, data collection, analysis & report writing to be provided.
17. **Institutional Support:** Mention the efforts made to achieve inter-departmental or inter- institutional collaboration needed for study implementation, details of coordination between clinical, laboratory and data management procedures, mention the institutional resources such as equipment and other physical resources available for use in the project proposed.

Section-C
BIODATA OF THE INVESTIGATORS(S)

1. Name (Dr./Kum./Smt./Shri) _ First name(s): Surname:
2. Designation:
3. Complete Postal Address, Telephone Number, Fax, e-mail etc.

4. Date of Birth:
5. Educational Qualification: Degrees obtained (Begin with Bachelor's Degree)

Degree	Institution	Field(s)	Year
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6. Research/Training Experience

Duration	Institution	Particulars of work done
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7. Important recent publications, with titles and References), including papers In press
 8. Financial support received

- a.
 - * From
 - * Past
 - * Present
 - * Pending

* This information must be given, otherwise the application will be returned. In case no financial assistance has been received, nil should be stated. Indicate titles of the projects and reference number, if available, for grants.

Guidelines for Operation of Projects for Grantees

The BAP provides financial assistance to promote novel/ innovative biomedical and health research. The assistance is provided by way of grants to Post Graduate Students of the Dental Institutes situated in Karnataka.

Proposals in fundamental/ strategic research; development and evaluation of a tool, and operational research are considered for support. Projects will be selected based on project topic, contribution to current knowledge, track record of investigator, design and plan for execution of the project.

1. Research grants from the BAP are essentially intended to supplement the research facilities available with the host institutions. All facilities for the conduct of research, such as basic equipment and ordinary laboratory chemicals, glassware, furniture and other assistance as may be required for the smooth working of the project shall be provided by the Institute.
2. Once a project is approved for funding, the concerned Technical Division of BAP would inform the student and the guide the decision that the project has been technically approved for funding and communicate
3. The PI is expected to inform about
 - a. His/her acceptance of the financial assistance.
 - b. The proposal has not been sent elsewhere for funding.
4. On receipt of the above information the Technical Division of BAP would process for release of grant.
5. Release of grants
The funds are released as single installment, along with the sanction letter.
6. Re-appropriation of funds
Expenditure should on no account exceed the budget sanctioned for the project. If it exceeds, it has to be borne by the investigator
7. Date of start
The sanction letter would specify the date of start. It can only be a prospective date. If, however no date is mentioned in the sanction letter, the project would deemed to have become operative on the day the grant is received by the Investigator. This date would have to be communicated by the host Institute to the BAP. It will in no case be later than one month after the receipt of the grant by the Institute. The date of start of a project can be changed on the request of the PI provided no expenditure has been incurred from the grant released by the BAP.

8. Bi-Annual Progress Report

- a. The bi- Annual Report is to be submitted in a prescribed format.
- b. The progress of the project would be evaluated by the BAP through appropriate peer review/Expert Committees.
- c. A delay in receipt of the report in time for consideration by the Committee may lead to termination of the project
- d. The student may be asked to present the progress at the meeting of the Committee, if considered necessary.
- e. The suggestion and views of the Committee and mid-course correction, if any, would be conveyed to the student from time to time for effective conduct of the project. This would be binding on the student.

9. Final Project Completion Report

- a. At the completion of the project, the final report should be sent in the prescribed format. (Annexure-5).
- b. The report should be submitted not later than three months from the date of completion of the project.
- c. 20% of Grant amount would be withheld for release after receipt of the final report.

10. Final settlement of the Accounts

The final settlement of the Accounts will be done only after the receipt of the following:

- a. Final Project Completion Report
- b. Final utilization certificate (Annexure -4 a).

11. Duration of project

Extension beyond the approved duration normally would not be entertained. If interesting/important leads emerge that need to be followed-up, a separate proposal may be submitted. Only in exceptional cases, where a valid justification exists, an extension can be considered to complete the project.

12. Change of PI

- a. Students are encouraged to have a co-investigator in the project.
- b. If for any reason the student leaves the project, an eligible co-investigator could be considered as the PI subject to recommendation of the PI, the Head of the Department and the approval of BAP. Such a request should be sent well in advance.
- c. The host Institution has an important role to play in the above contract. The Principal Investigator or Department or Institution will have to inform BAP of any changes, and in consultation with BAP take steps to ensure successful completion of the project before relieving the Principal Investigator.

13. Number of projects with the PI

Under normal conditions, a student should not be implementing more than three research projects at a given point in time. While submitting an application for a research project, the student should give in detail all the research projects (completed, on-going). Fresh research proposals can be considered only when the on-going research proposals are about to conclude.

14. The grant paid by the BAP shall be refunded by the Principal Investigator as and if the investigator discontinues the scheme midway or does not follow the detailed technical programme as laid down and approved by the BAP. The responsible Department shall ensure the same.

15. All raw data (in all forms) should be made available/accessible to BAP if needed.

16. Publication of Results/Presentation of Papers:

The research papers and publications based on the results of the research project should acknowledge assistance by the BAP. Copies/reprints of papers published should be sent along with the progress/final report.

17. Intellectual Property Rights

All new intellectual property viz., patents, designs etc. generated as part of the research supported by the BAP would belong to the academy. The BAP shall have the right to take up patent/design in respect of inventions/discoveries made in research schemes financed by the BAP. All patents shall be registered in the name of BAP. The Intellectual Property Rights (IPR) Cell can provide all necessary assistance in the IPR related issues including patent applications.

18. Conflict of interest

In order to maintain the objectivity in the conduct and reporting of research, it is imperative that the investigators should not have any interests that undermine scientific integrity while recording and reporting their data. Any research or other links of the investigators with industry are discouraged; as such a link would compromise or is likely to compromise unbiased reporting of research data. In addition, such a financial conflict of interest could lead to loss of public faith on the credibility of data being reported, especially in the light of recent reports of financial conflict of interest of investigators in drug and other clinical trials. All investigators, desirous of BAP support should declare financial conflict of interest, if any, before submitting the project for support. They should also ensure that during the conduct of the project, they would also observe the same code of conduct. If the Association comes to know of any unethical conduct on the part of investigator including improper/incomplete declaration, the project is liable to be terminated immediately.

Annexure-1
FORMAT FOR BI -ANNUAL PROGRESS REPORT

1. Project Title
2. Post Graduate Student (name & address)
3. Co – Investigators (name & address)
4. Name of the Institutions
5. Date of start
6. Duration
7. Objectives of the proposal
8. Methodology
9. Interim modification of objectives/methodology (with justifications)
10. Summary on progress (during the period of report)
11. Research work which remains to be done under the project
12. Any publications.
13. Any Patents applied for

Date

Signature

Designation

Annexure-2
Check list for covering note to accompany Utilization Certificate of grant for the project for the period ending 31st March, 20____.

1. Title of the project:
2. Name of the Institutions
3. Principal Investigator:
4. Co-investigators
5. BAP letter No. and date sanctioning the project:
6. Head of account as given in the original sanction letter:
7. Amount received during the financial year (Please give No. & Date of BAP's sanction letter for the amount):
8. Actual expenditure (excluding commitments) incurred during the financial year (upto 31st March).
9. Balance amount available at the end of the financial year:

FORMAT FOR UTILISATION CERTIFICATE

Certified that out of Rs of grants-in-aid sanctioned during the year in favour of under BAP Letter No..... and Rs.....has been utilized for the purpose of for which it was sanctioned and that the balance of Rs..... remaining unutilized at the end of the year has been surrendered to BAP vide Cheque NoDated.....

Signature of
Principal Investigator
with date

Signature of Registrar/
of the Institute with date

Signature of Accounts Officer
of the Institute with date

Annexure-5

FORMAT FOR FINAL REPORT

1. Title of the Project:
2. Principal Investigator and Co-Investigators:
3. Implementing Institution and other collaborating Institutions:
4. Date of Commencement:
5. Duration:
6. Date of completion:
7. Objectives as approved:
8. Deviation made from original objectives if any, while implementing the project and reasons thereof.
9. Experimental work giving full details of experimental set up, methods adopted, data collected supported by necessary tables, charts, diagrams and photographs.
10. Detailed analysis of results indicating contributions made towards increasing the current state of knowledge in the subject.
11. Conclusions summarizing the achievements of the project and indication of scope for future work.
12. Science & Technology benefits accrued:
 - I) List of research publications with complete details : Authors, Title of paper, Name of Journal, Vol., page, year
 - II) Patents taken, if any:
 - III) Products developed, if any.
13. Abstract (300 words for possible publication in BAP Bulletin).

14. Name and signature with date
 1. _____
(Postgraduate student)

 2. _____
(Guide)