

Winning Proposal Writing

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**MBBS, FRCS, FRCSI, FRCSG,
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FRCPath**

**Professor of Surgery
University of Khartoum**



Ice Breaking



Proposal Writing

Objectives ?



Objectives

- **What is proposal.**
- **Definition of research proposal.**
- **The importance of research proposal.**
- **Write a sound research proposal for different purposes.**
- **Component of research proposal.**

Proposal Writing



Proposal Writing



Winning Proposal Writing

Proposal Writing

Teaching

Professionalism

Social

Research

Administrations



Proposal Writing



Proposal what is it?

Proposal Writing



- Proposal is a **Document** developed and produced in response to **Specific Calls**

Proposal Writing

- Should satisfy the **Requirements** of the sponsor



Proposal Writing

- Should satisfy the requirements of the institute

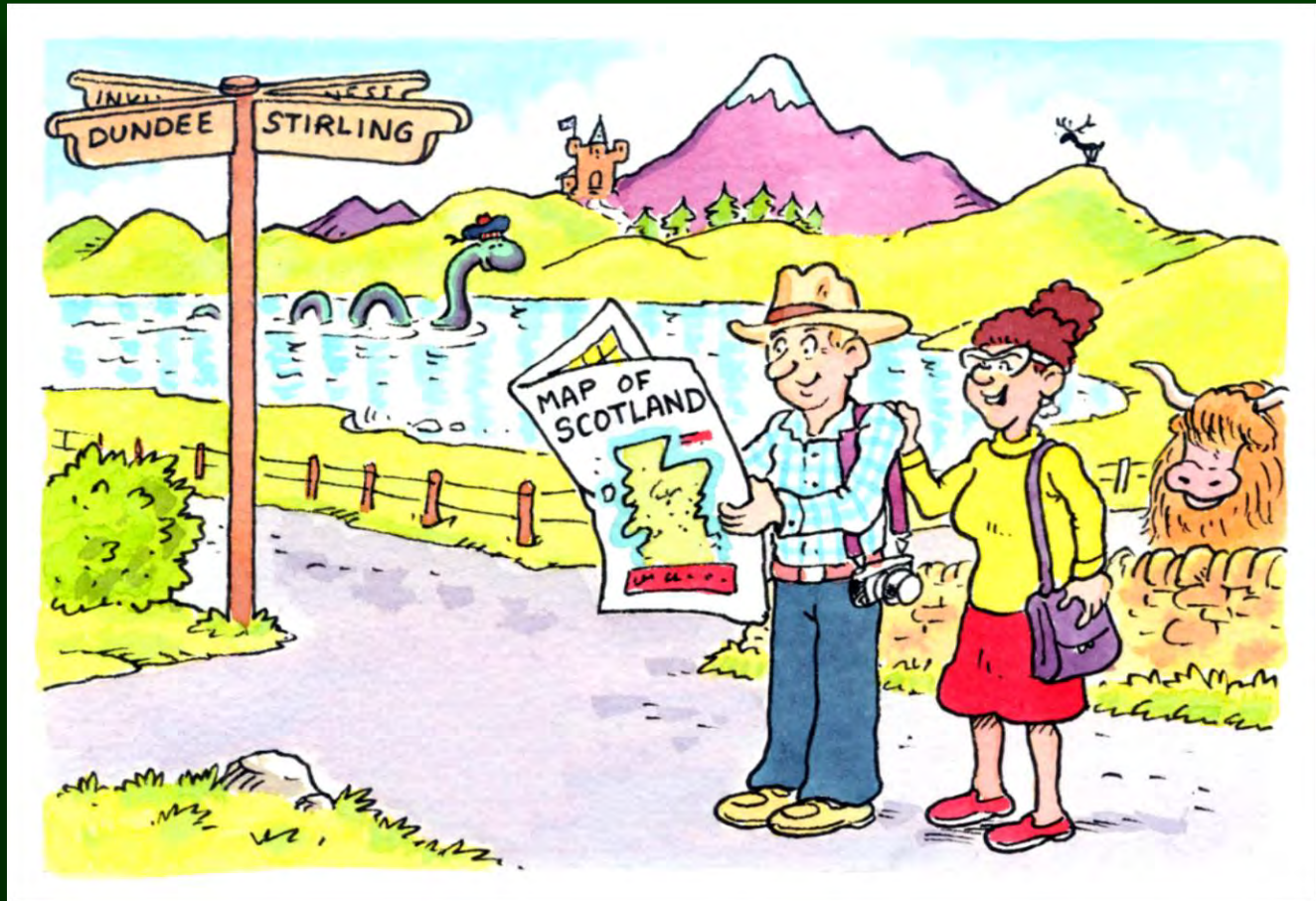


Proposal Writing

- Should be the **Road Map**



Proposal Writing



Road Map

Proposal Writing

Time Line
Road Map



Proposal Writing

- The known way for getting **Support** for your research

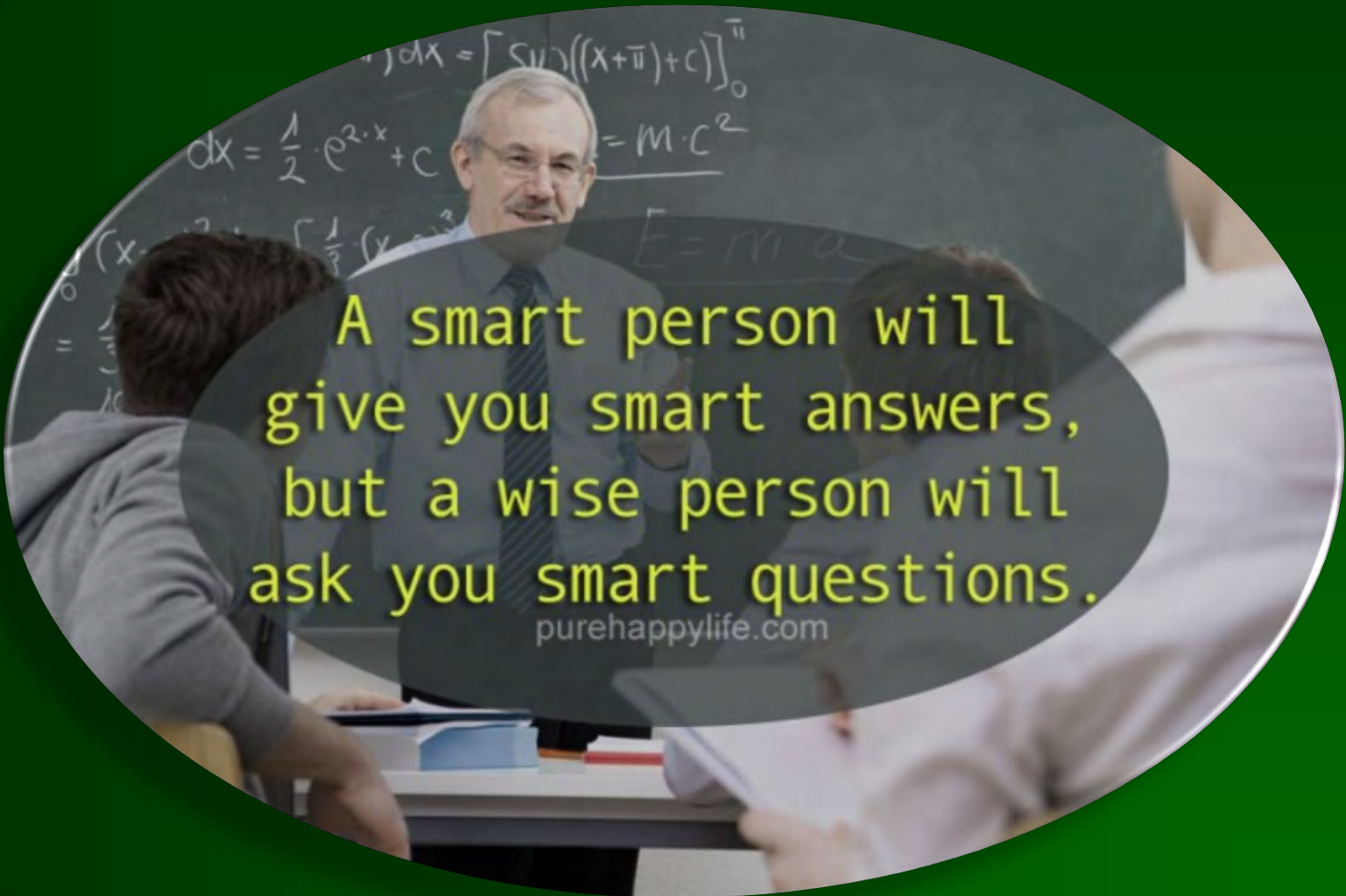


Proposal Writing



Competitive grants improve
Research Quality

Proposal Writing



A smart person will
give you smart answers,
but a wise person will
ask you smart questions.

purehappylife.com

Proposal Writing

- Proposal should
 - Aims to achieve
 - Specific
 - Objectives





Proposal Writing

□ Two types of proposals:

- Solicited

Response to specific call for proposal

Addresses specific topics

- Non solicited (rare type)

Proposal Writing

Call Objectives

□ Could be:

- **Discovery**
- **Clinical trial**
- **Evidence**
- **Pilot**
- **Capacity building**



Proposal Writing



Proposal Writing



Proposal Writing




- Effective learning but tedious process

Proposal Writing

- Writing of successful proposals needs

Extensive Practice



- 
1. Cover page
 2. Summary
 3. Introduction
 4. Rationale
 5. justifications
 6. Study Objectives
 7. Study Design
 8. Patients Selection
 9. Sample Size, technique
 10. Study Procedures
 11. Data Recording
 12. Time Table – plan – Protocol
 13. Ethical Considerations
 14. Expected outcome- impacts
 15. References
 16. Budget
- 

Title

Carcinoma of the Breast in Khartoum

- Concise – accurate –
informative – indicative

< 20 words or 100
character



Proposal Writing

Cover Page

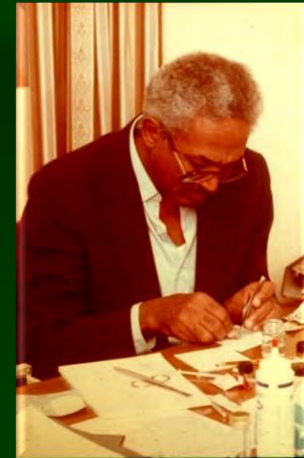
- Principal Investigator
 - Co-Investigators
-
- Full names or
 - Initials and Surname



Proposal Writing

Principal investigator

Dr. Intsar Abdel EL Rahman
Master Student
Department of Pharmacology
Faculty of Pharmacy, University of
Khartoum



Investigader

Prof. Ahmed Hassan Fahal
Professor of Surgery
Department of Surgery
Faculty of Medicine, University of
Khartoum



Proposal Writing

Cover Page

Institute address





Proposal Writing

Cover Page

Correspondence address:

- **Full postal address**
- **Telephone and facsimile no.**
- **E. mail**
- **Website**

Proposal Writing

Table of Contents

Should include
item & page
No.

1.	Summary	1
2.	Introduction	2
3.	Rationale	2
2.	justification	3
3.	Study Objectives	2
4.	Study Design	2
5.	Patients Selection	3
6.	Sample Size	4
7.	Study Procedures	5
8.	Data Recording	6
9.	Time Table	7
10.	Ethical Considerations	7
11.	Excepted outcome	8
11.	References	9
12.	Budget	11

Proposal Writing

Abstract - Executive Summary

- **A capsule description of the entire project**
- **A brief statement of the needs, problem, justifications**
- **Methodology**





Proposal Writing

Abstract - Executive Summary

- **Project goals or expected outcomes**
- Time duration
- Approximate cost



Proposal Writing

Abstract - Executive Summary

- **2-3 paragraphs –**
- **300 words maximum**

Proposal Writing

Introduction ~ Background

Should include:

- Full review of updated literature of the study subject.
- Mention to similar studies.

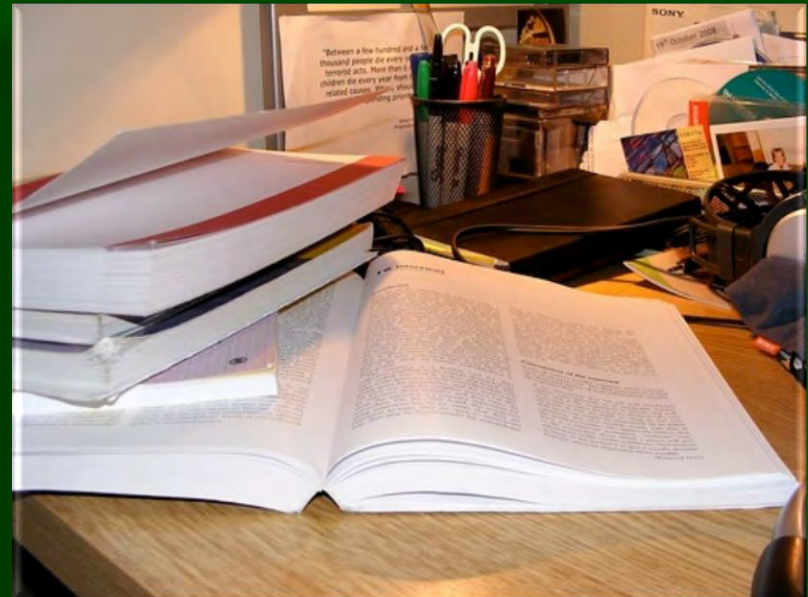


Proposal Writing

Introduction - Background

Should include:

- Including relevant and most recent literature search
- Reference to external benchmarks and related measures.

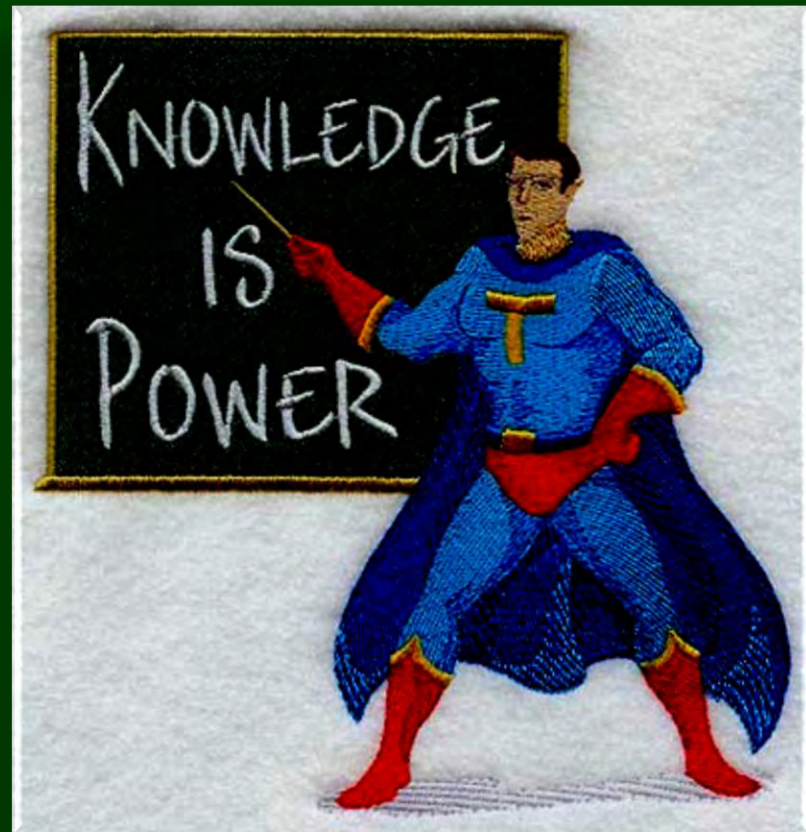


Proposal Writing

Introduction - Background

Should include:

- Knowledge gaps

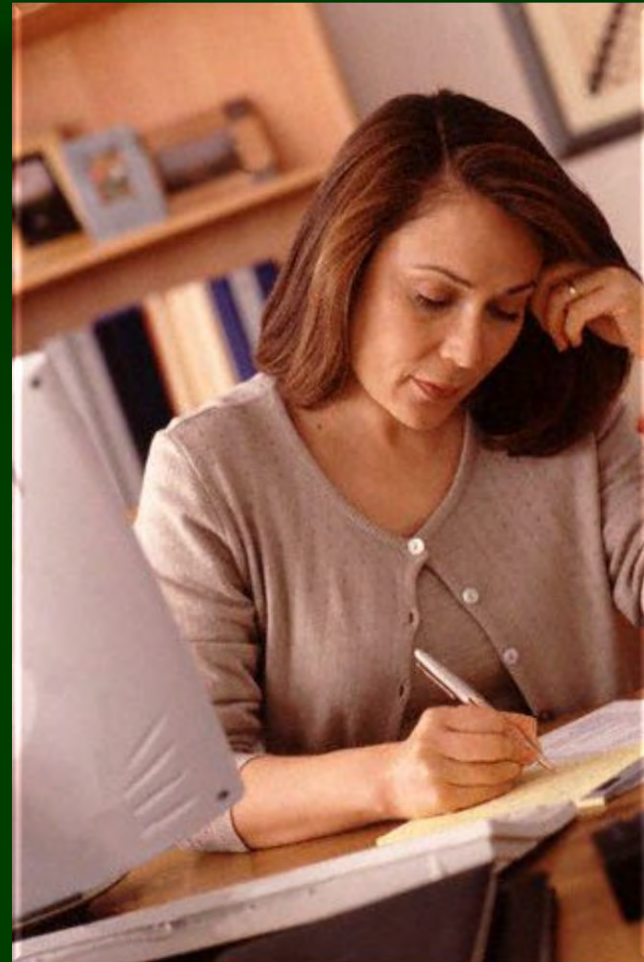


Proposal Writing

Introduction - Background

This section should:

- Reflect your **scholarship**
- Show evidence of a thorough Search of the topic



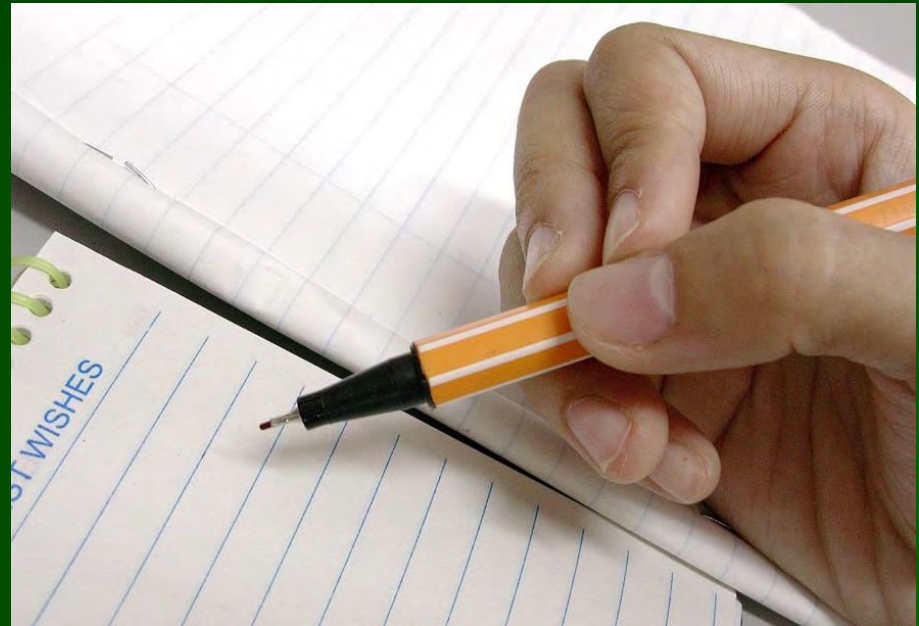
Proposal Writing

Introduction - Background

This section should:

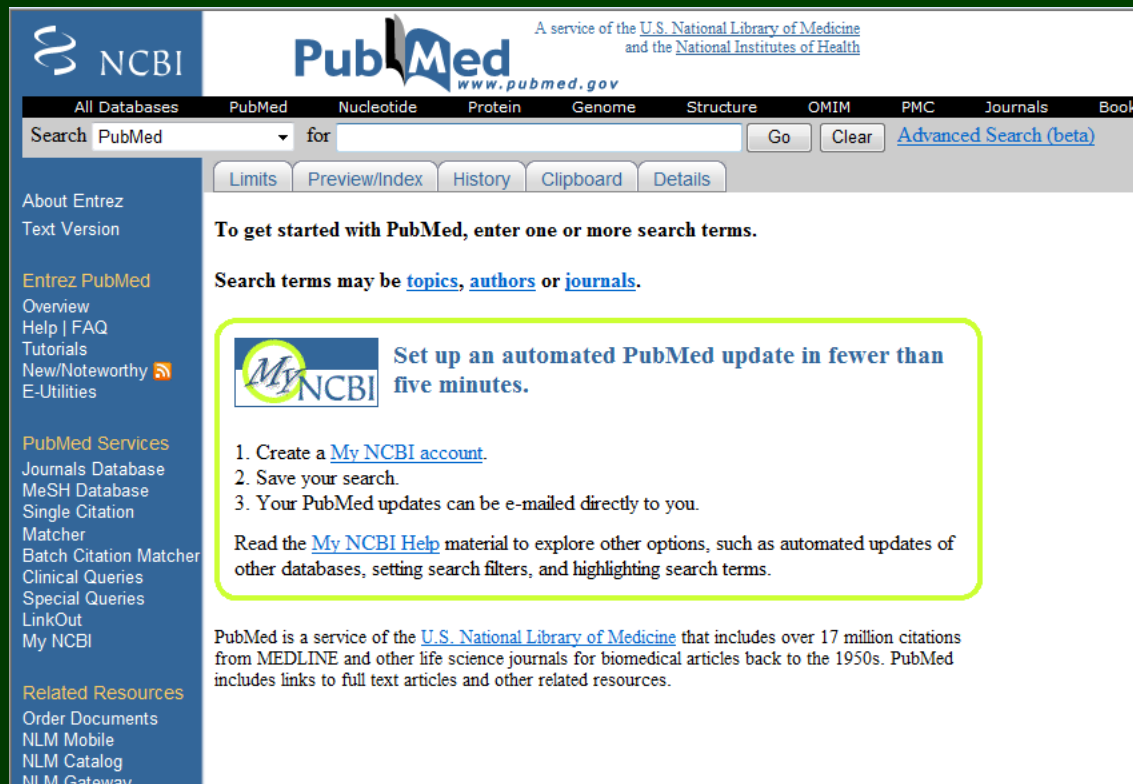
- Be clear, appropriate and relevant.

2-3 pages



Proposal Writing

Introduction - Background



The screenshot shows the PubMed website interface. At the top, the NCBI logo is on the left, and the PubMed logo with the URL www.pubmed.gov is in the center. To the right of the PubMed logo, it says "A service of the U.S. National Library of Medicine and the National Institutes of Health". Below the logo, there is a navigation bar with tabs for "All Databases", "PubMed", "Nucleotide", "Protein", "Genome", "Structure", "OMIM", "PMC", "Journals", and "Books". The "PubMed" tab is selected. Below the navigation bar, there is a search bar with the text "Search PubMed" and a dropdown menu. To the right of the search bar, there are buttons for "Go", "Clear", and a link for "Advanced Search (beta)". Below the search bar, there are buttons for "Limits", "Preview/Index", "History", "Clipboard", and "Details". On the left side of the page, there is a sidebar with various links under the heading "About Entrez" and "Entrez PubMed". The main content area contains the following text:

To get started with PubMed, enter one or more search terms.

Search terms may be [topics](#), [authors](#) or [journals](#).

Set up an automated PubMed update in fewer than five minutes.

1. Create a [My NCBI account](#).
2. Save your search.
3. Your PubMed updates can be e-mailed directly to you.

Read the [My NCBI Help](#) material to explore other options, such as automated updates of other databases, setting search filters, and highlighting search terms.

PubMed is a service of the [U.S. National Library of Medicine](#) that includes over 17 million citations from MEDLINE and other life science journals for biomedical articles back to the 1950s. PubMed includes links to full text articles and other related resources.

Proposal Writing



عربي | 中文 | English | Français | Русский | Español

HINARI
ACCESS TO RESEARCH

LOGIN

HINARI

- About HINARI
- Full-text journals, databases and other resources
- Eligibility
- Register
- Partners
- Publishers' statement
- Frequently asked questions
- Training
- Using HINARI

Health InterNetwork Access to Research Initiative

The HINARI program, set up by WHO together with major publishers, enables developing countries to gain access to one of the world's largest collections of biomedical and health literature. Over 3750 journal titles are now available to health institutions in 113 countries, benefiting many thousands of health workers and researchers, and in turn, contributing to improved world health.

NEWS

HINARI program hits major access milestone
18 May 2007
[2500th Member Joins Developing Country Institutes with Access to World's Medical Literature \[pdf 77kb\]](#)

The future of HINARI now secured
A wide-ranging independent review of HINARI was recently conducted and many thanks if you participated in this. The review showed that HINARI is viewed as an important resource and is making a valuable contribution to research and teaching. As a result

TIP OF THE MONTH FOR USING HINARI

Are you having trouble opening/downloading articles from journals published by Wiley ?
[Using HINARI](#)

HINARI E-NEWSLETTER

[HINARI e-newsletter \[pdf 136kb\]](#)

FELLOWSHIPS

We are pleased to inform you that more than 20 fellowships will be awarded to undergraduate students for the Summer

[Sitio HINARI em Português](#)

AGORA

Visit our sister programme Access to Global Online Research in Agriculture

Visit our sister programme Online Access to Research in the Environment

[HINARI Leaflet \[pdf 1.06Mb\]](#)



Proposal Writing

Rationale & Justification

- Currently, Ketoconazole is the drug of choice for the treatment of eumycetoma however it needs a long period to effect cures and it is not cost effective.
- The recurrence rate after prolonged Ketoconazole treatment is high.
- There is no reported randomized control trial on the treatment of eumycetoma

Proposal Writing

Rationale & Justification

Statement of Need



Proposal Writing

- This is the "why" of the project.
- One needs to convince the reader that the problem is real and that the proposer's rationale and methods
- 2 pages





Proposal Writing

- This is the "why" of the project.

- Will actually enhance the Human Knowledge
- Provide the service
- Accomplish the stated objectives.



Proposal Writing

Aims & objectives

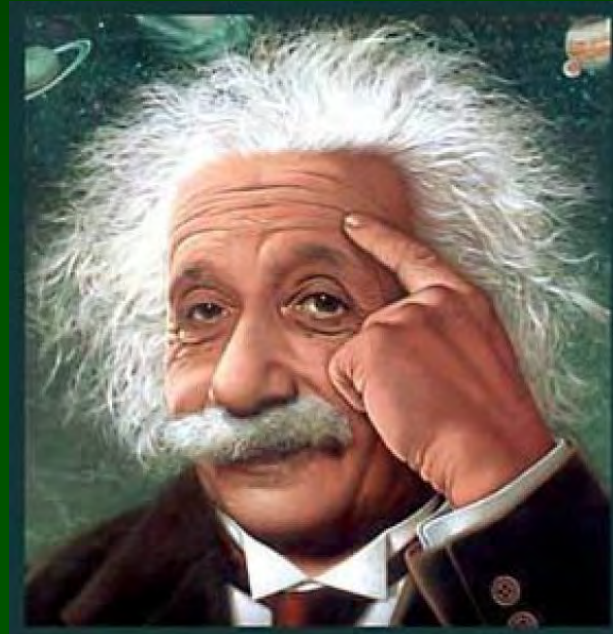
- Aims of the study should be stated.
- **General and specific** objectives should be mentioned.

Proposal Writing

Aims & objectives

- They should be
SMART

Specific
Measurable
Attainable
Relevant
Timed





Proposal Writing

Objectives

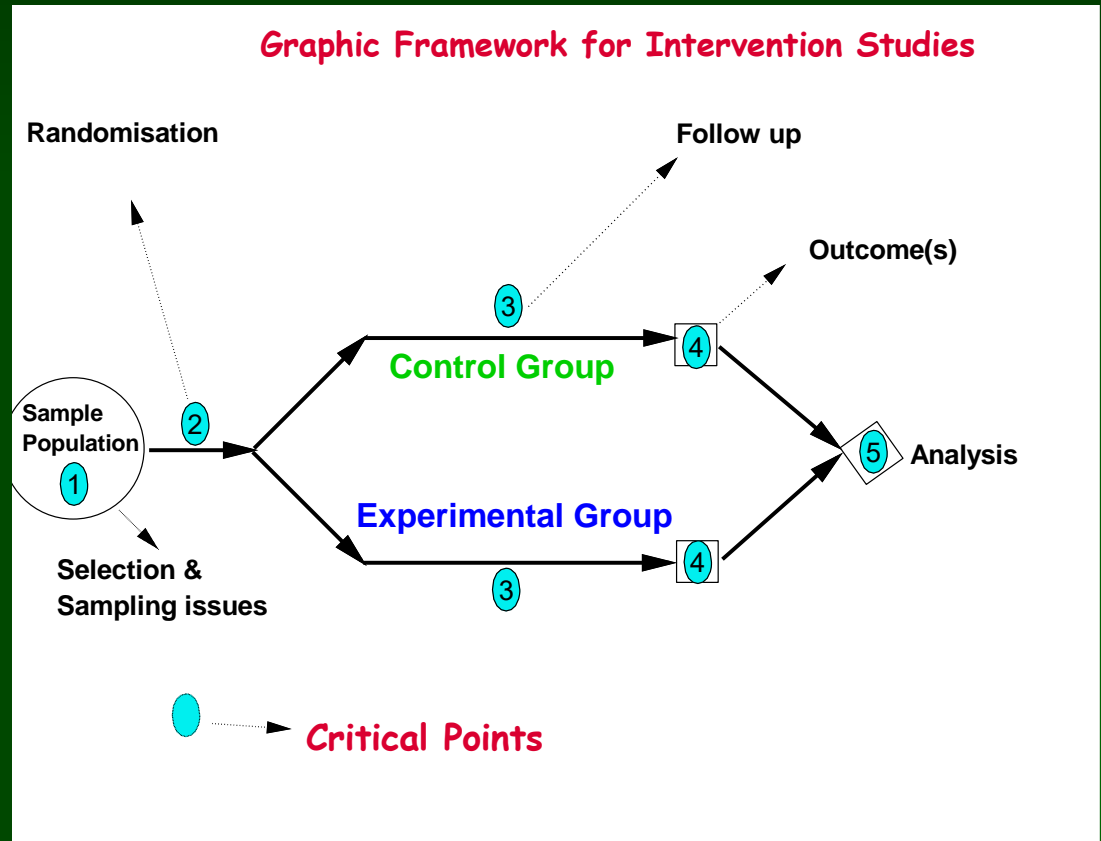
- **Deliverable**
- **Outcome**



Proposal Writing

Methodology

- Should define the Study design.



Proposal Writing

Methodology

- **Should define the Study Population**



Proposal Writing

Methodology

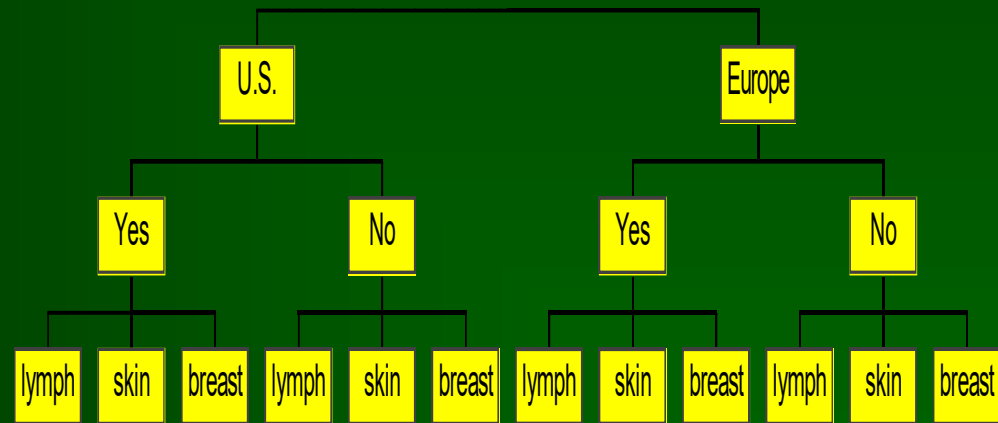
Should describe clinical trial steps:

Sequence

Concealment

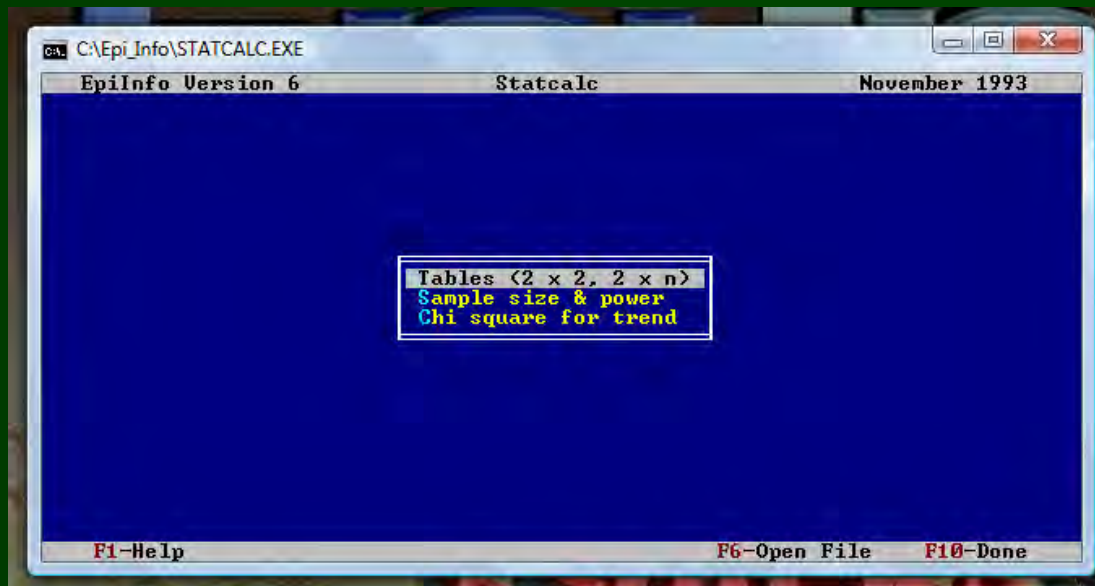
Implementation

Blinding



Proposal Writing

Should include:



- The Sample Size.



Proposal Writing

Methodology

- Should define the **Sampling Techniques.**

Proposal Writing

Methodology

- **Study area** should be stated and described



Proposal Writing

Methodology

- Data collection **Methods & Instrument** must be described.



Proposal Writing

Methodology

- **Inclusion & exclusion criteria** should be clearly stated.





Proposal Writing

Inclusion & Exclusion Criteria

Inclusion criteria

1. Patients with eumycetoma caused by *Madurella mycetomatis* confirmed by culture, cytology, and ultrasound.
2. Informed consent by patient or legal guardian.



Proposal Writing

Inclusion & Exclusion Criteria

Exclusion Criteria

- 1- Patients under 16 years old.
- 2- Previous mycetoma treatment either medical or surgical.
- 3- Serious concomitant diseases, with life expectancy less than 3 months.
- 4- Failure to give informed consent

Proposal Writing

Methodology

Methods &
Techniques to be used
must
be described satisfactory
with references



Proposal Writing

Methodology

- **Study instruments and organization should be described.**



Proposal Writing

Methodology

- Collaboration
- MTA

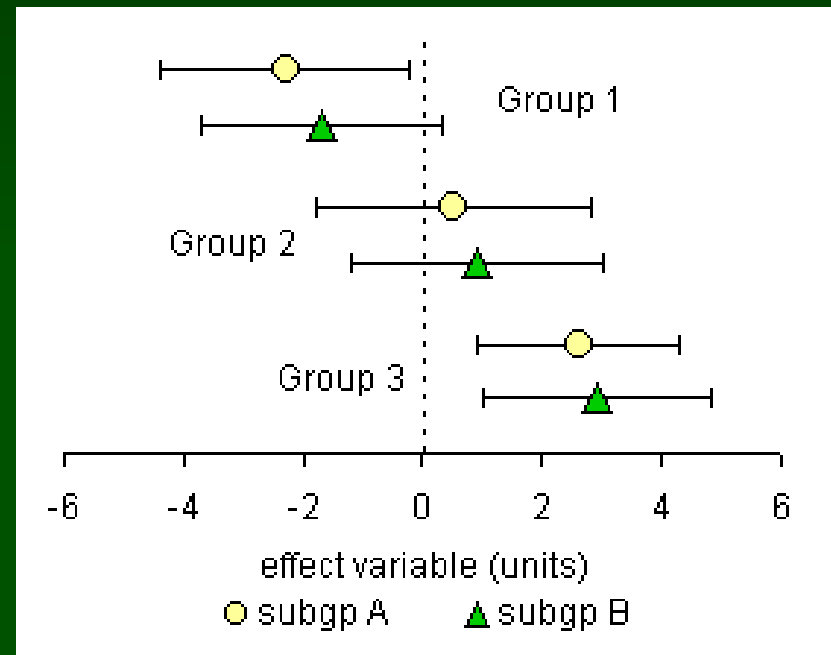


Proposal Writing

methodology

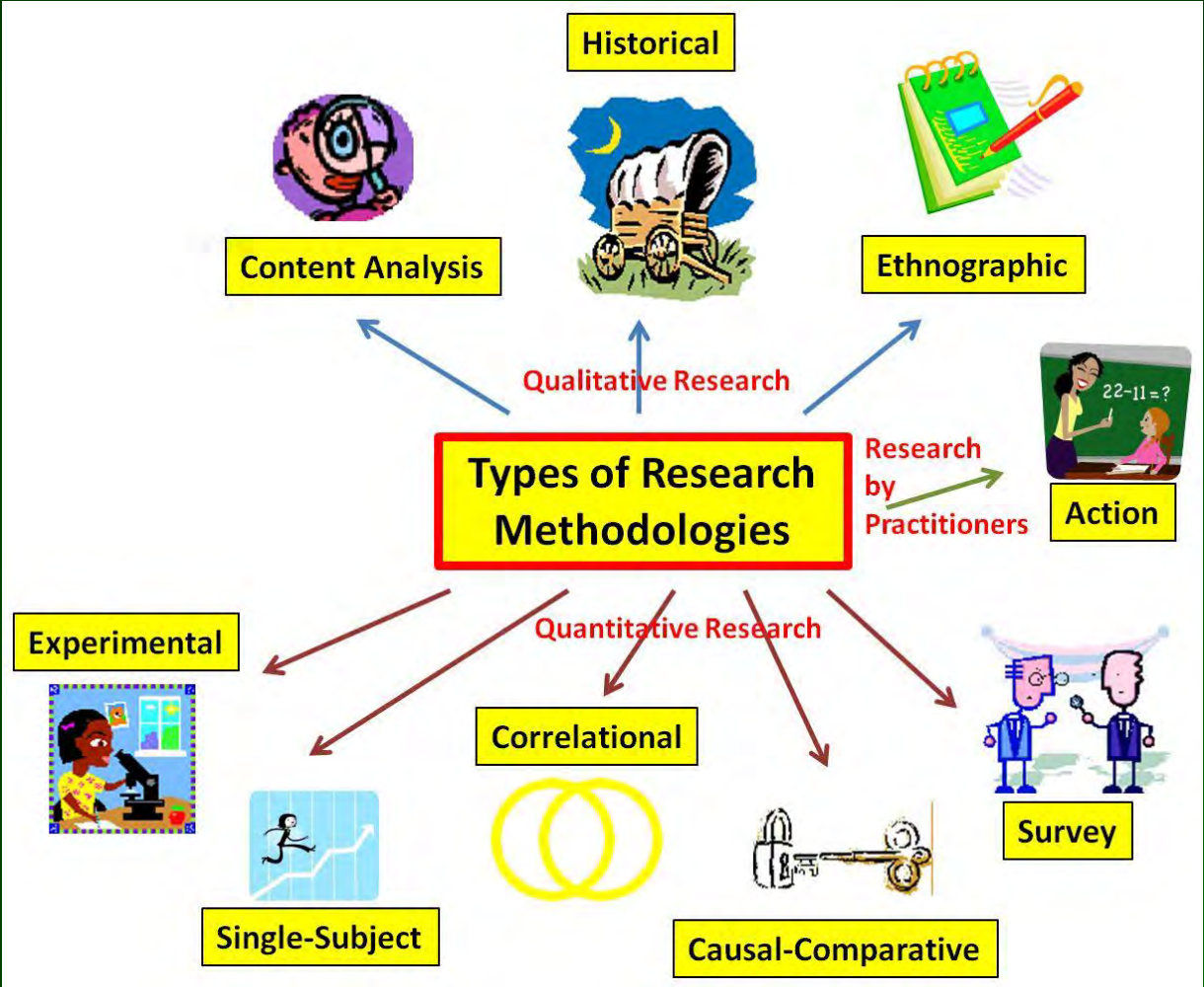
Should include:

- State the **Statistical Methods** to be used to analyze the results.



Proposal Writing

Methodology

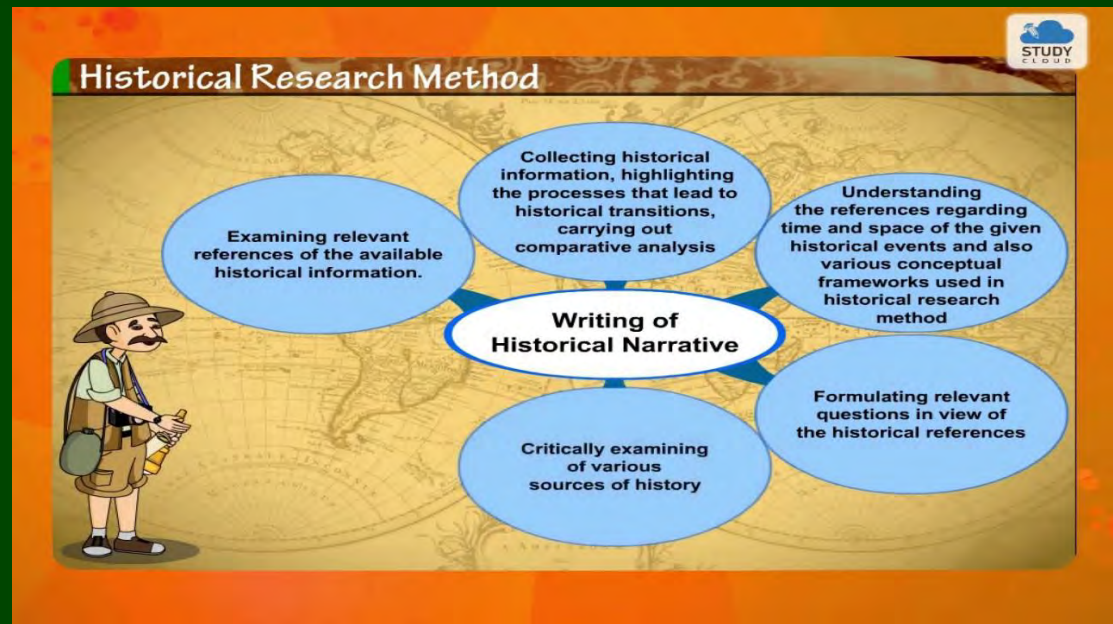


Proposal Writing

Methodology

Study method must be clearly outlined showing

- Steps
- Plans
- Strategies
- etc.



Proposal Writing



Proposal Writing

Methodology

- The investigators
- Role
- Percentage



Proposal Writing

Methodology

Quality Assurance of data collection should mentioned.



Proposal Writing

Methodology

- Solicited approvals of the proposal if any should be stated
- Ethical clearance



Proposal Writing

Methodology

- Tests for which facilities in the concerned department are not available must be clearly mentioned and state where these tests can be done.

Proposal Writing

Methodology

Consent statement should be mentioned which must comply with the recommendations of Declaration of Helsinki

(Br Med J 1967, ii, 177).





Proposal Writing

Methodology

**Ethical clearance from the
IRB
Mycetoma Research Centre
University of Khartoum
should be obtained if needed.**

Proposal Writing

Methodology

An informed consent form will be written in Arabic to be read and signed by the patient or legal guardian.

السلام عليكم ورحمة الله وبركاته
ياخواننا نحن جماعة من الباحثين والدكاترة من جامعة الخرطوم في مركز أبحاث الميستوما.
نحن لاحظنا انو بعض المرضى يستجيبو للعلاج وبعضهم ما يستجيب للعلاج ونحن عايرين
نعمل أبحاث في على المرضي في مركز الأبحاث عنونا علشان نعرف مناعة المرضي للمرض
ومدى استجابة الميكروبات المسببة للمرض للأدوية المستخدمة في العلاج. النسيج المصاب
كل المتطوعين للمشاركة في البحث حناخذ منهم عينات من الدم ومن النسيج المصاب
بالمرض قبل واثناء وبعد انتهاء فترة الدراسة. وفي اثناء فترة الدراسة نحن متكلفين
بالإشراف الطبي على المرضي المشاركين في الدراسة مع توفير الأدوية والفحوصات
الاساسية حتى نهاية فترة الدراسة.
و جزاكم الله خيرا والسلام عليكم ورحمة الله وبركاته
أنا..... موافق على المشاركة في أبحاث مرض النبت (المادورا).

Proposal Writing

Ethical Clearance



Proposal Writing

Work plan

Should describe time schedule of:

- Preparations
- Experiment/clinical/field work
- Data collection
- Methods of data analysis must be mentioned.
- Writing up the thesis.



Proposal Writing

References

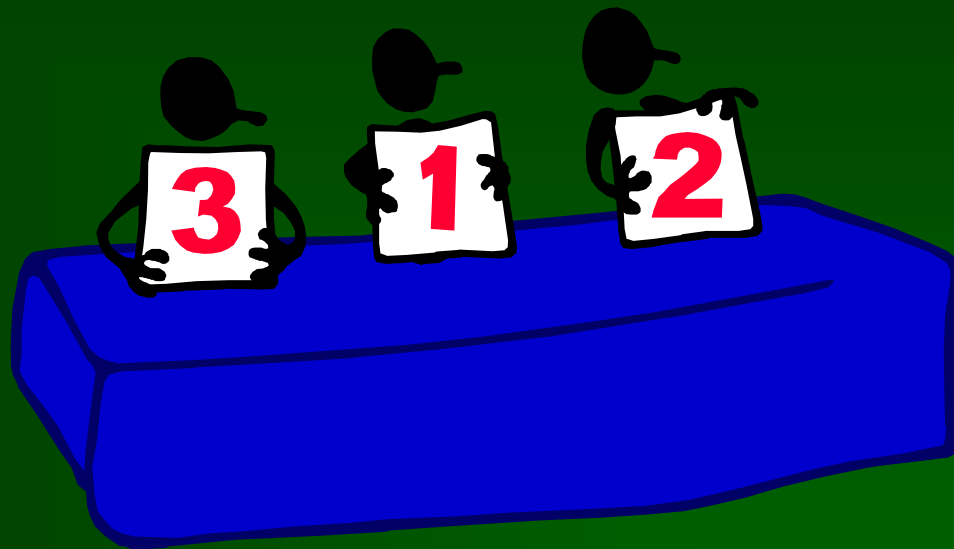
Vancouver styles
commonly adopted

(Br Med J 1998; 296: 401-405)



Proposal Writing

References



**They are indicated in the text by bracketed numbers
and list in order of quotation**

Proposal Writing

Reference Manager 11 - Reference List - Sample Database: Book, Whole Reference ID 99

File Edit View References Tools Window Help

Reference List - Sample Database: Book, Whole Reference ID 99

Ref Type* Book, Whole

Ref ID* 99

Book Title Bottlenose dolphins of Galveston Bay:at the top of the bay's food web

Authors

Pub Date* / /1997 Other

Web/URL

Link To PDF

Link to Full-text

Related Links

Image(s)

Notes

Keywords bay; bottlenose dolphin; bottlenosed dolphins Texas Galveston Bay; dolphin; dolphins; food chains;

Ref ID	Authors	Title
<input checked="" type="checkbox"/> 99		Bottlenose dolphins of Galveston Bay:at the top of the bay's food web
<input type="checkbox"/> 190	=Greater Milford	Who has time for a family meal?
<input type="checkbox"/> 77	Anderson,L.	Arion and the dolphins: based on an ancient Greek legend
<input type="checkbox"/> 86	Angel,H.	Life in the oceans: the spectacular world of whales, dolphins, giant squids, sharks and other unusual sea creatures
<input type="checkbox"/> 144	Au,W.W.	Atlantic bottlenose dolphin (<i>Tursiops truncatus</i>) hearing threshold for brief broadband signals
<input type="checkbox"/> 139	Au,W.W.	Automatic gain control in the echolocation system of dolphins
<input type="checkbox"/> 54	Au,W.W.L.	Application of the reverberation-limited form of the sonar equation to dolphin echolocation
<input type="checkbox"/> 41	Baird,R.W.	Status of the bottle-nosed-dolphin, <i>tursiops-truncatus</i> , with special reference to Canada
<input type="checkbox"/> 55	Ballance,L.T.	Habitat use patterns and ranges of the bottle-nosed-dolphin in the Gulf of California, Mexico
<input type="checkbox"/> 111	Barlow,J.	An assessment of the status of harbour porpoise populations in California
<input type="checkbox"/> 7	Bassos,M.K.	Effect of pool features on the behavior of two bottlenose dolphins
<input type="checkbox"/> 72	Bazua-Duran,C.	The whistles of Hawaiian spinner dolphins
<input type="checkbox"/> 68	Behrens,J.	Whales of the world
<input type="checkbox"/> 94	Boyd,I.L.	Marine mammals: advances in behavioural and population biology: the proceedings of a symposium held at the Zoological Society of London on 9th and 10th April 1992
<input type="checkbox"/> 37	Brager,S.	Association patterns of bottle-nosed dolphins (<i>tursiops- truncatus</i>) in Galveston Bay, Texas
<input type="checkbox"/> 132	Brensing,K.	Can dolphins heal by ultrasound?
<input type="checkbox"/> 181	Brill,R.L.	Assessment of dolphin (<i>Tursiops truncatus</i>) auditory sensitivity and hearing loss using jawphones
<input type="checkbox"/> 39	Buck,J.D.	Occurrence of non-o1 vibrio-cholerae in Texas gulf-coast dolphins (<i>tursiops-truncatus</i>)
<input type="checkbox"/> 45	Buck,J.R.	A quantitative measure of similarity for <i>tursiops-truncatus</i> signature whistles

Sample

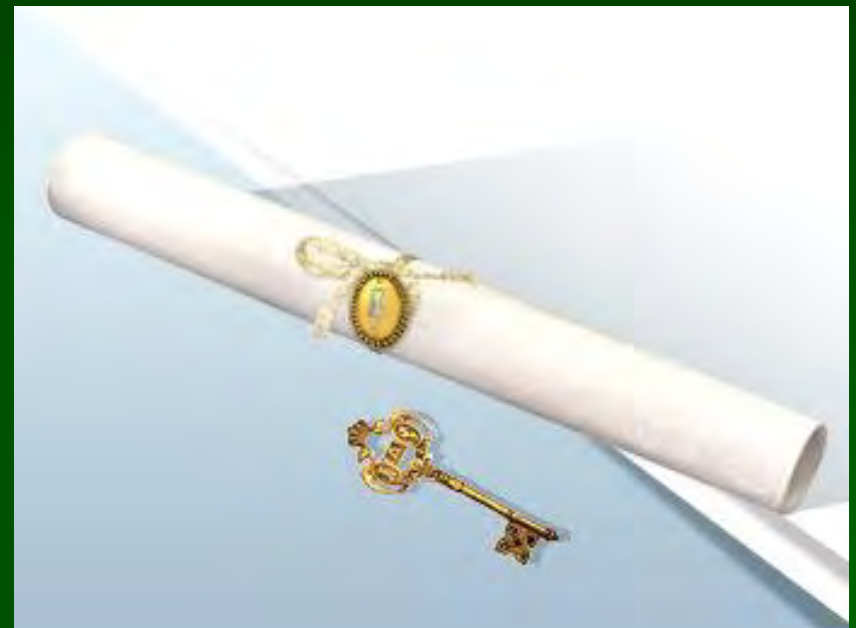
0 Marked Reference 1 of 155

proposal.ppt computer.ppt shendi brfss WHO | Health Inter... Reference Manager... 1:04 AM

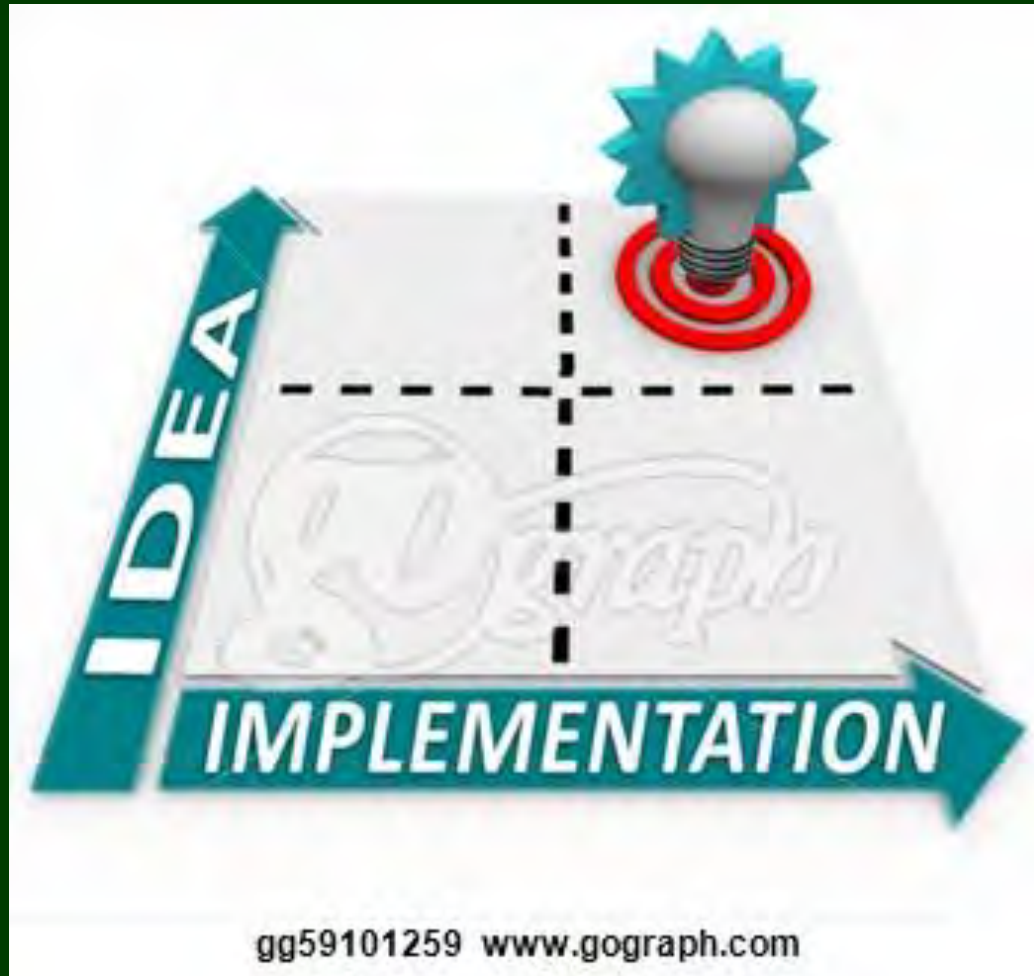
Proposal Writing

Expected outcome

- The expected outcome of the project must be stated clear for more justification
- Training opportunity for the research follows
- Community development
- Impacts



Proposal Writing



Proposal Writing

Researchers capabilities

- **Previous Work In The Area**
- **Previous Training**
- **Recent Papers**
- **CV**
- **Previous Grants**



Proposal Writing

Project management

- **Coordinator**
- **Administer**
- **Financial Controller**



Proposal Writing

Appendix

If any should include:

- Questionnaires
- Check lists
- Statistical tables

Proposal Writing

Budget



Proposal Writing

Budget

Should include budget for

- Personals
- Patients costs
- Supplies
- **Travel expanses**



Proposal Writing

Budget

Should include budget for

- Data collection
- Data analysis
- Stationeries
- Photocopying



Proposal Writing

difficulty finding
funding?



- Should follow the guidelines stated in the call for the proposal

Proposal Writing

How large and how much writing

GUIDELINES



- Follow the application guidelines
- Complete the correct application forms
Be concise when needed
- Don't over write.

Proposal Writing

How large and how much writing

Examples:

Microsoft grand challenge

= 2 pages =

100,000 USD

NIH ICIDER

can reaches

250 page



Proposal Writing

General Instructions

- **Clear, simple and focused writing**
- **Provide the needed information**
- **More writing is not better**



Proposal Writing

Proposal writing



- Allow more experienced colleagues to read and review it before submission

Proposal Writing



- Allow more experienced colleagues to read and review it before submission

Proposal Writing



- **Submit it to the fund raising office**

Proposal Writing

General Instructions

Should conform to the uniform requirements for manuscripts submitted to the bio-medical journals.

The layout should be divided conventionally into section and subsections each starting on a new page.

Must be typed in double spaced, 12 font letters with 2.5 cm margins.

Investigations

Electrocardiogram in MI

An electrocardiogram (ECG) is a recording of the electrical activity of the heart. The recording gives a characteristic representation of each phase of the cardiac cycle.



Look at this RLO.... Showing a normal ECG

Why do an ECG in a patient with a suspected myocardial infarction?

An ECG is useful:

- to make an early diagnosis ←
- to guide the immediate management of the patient
- to detect complications
- to estimate prognosis
- for risk stratification during convalescence

ECG and an early diagnosis of myocardial infarction

The ECG

Proposal Writing

General Instructions

- **Spellings and grammar mistakes are not acceptable**
- **Short, clear, simple and concise sentences must be used**
- **Use fresh sheet of paper if necessary**

Investigations

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An electrocardiogram (ECG) is a recording of the electrical activity of the heart. The recording gives a characteristic representation of each phase of the cardiac cycle.



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Why do an ECG in a patient with a suspected myocardial infarction?

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- to detect complications
- to estimate prognosis
- for risk stratification during convalescence

ECG and an early diagnosis of myocardial infarction

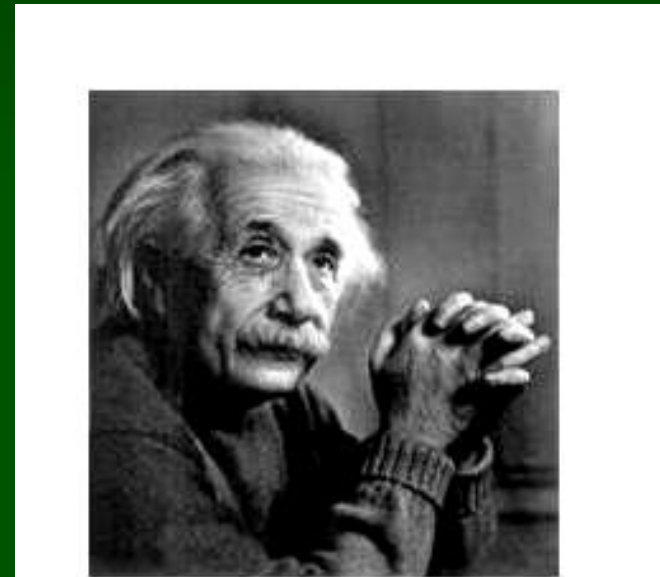
The ECG

Proposal Writing

General Instructions

**Everything should
be as simple as
it can be,
yet no simpler**

Albert Einstein



Proposal Writing

General Instructions

Communication

E. Mail

Skype



Proposal Writing

General Instructions

Who should apply

- More experience increases the chances for funding
- Published work strengthen the application



Proposal Writing

Who should apply

- Preliminary data is an advantage
- All qualified should apply



Proposal Writing

Who should apply



- Teams and consortia are more appealing

Proposal Writing

Sponsors

- **Organization or institution that provides the support**
- **Local**
- **Regional**
- **International**



Proposal Writing



Reviewers

Proposal Writing

Probability of success

- Don't be discouraged
- success rate is about 10%



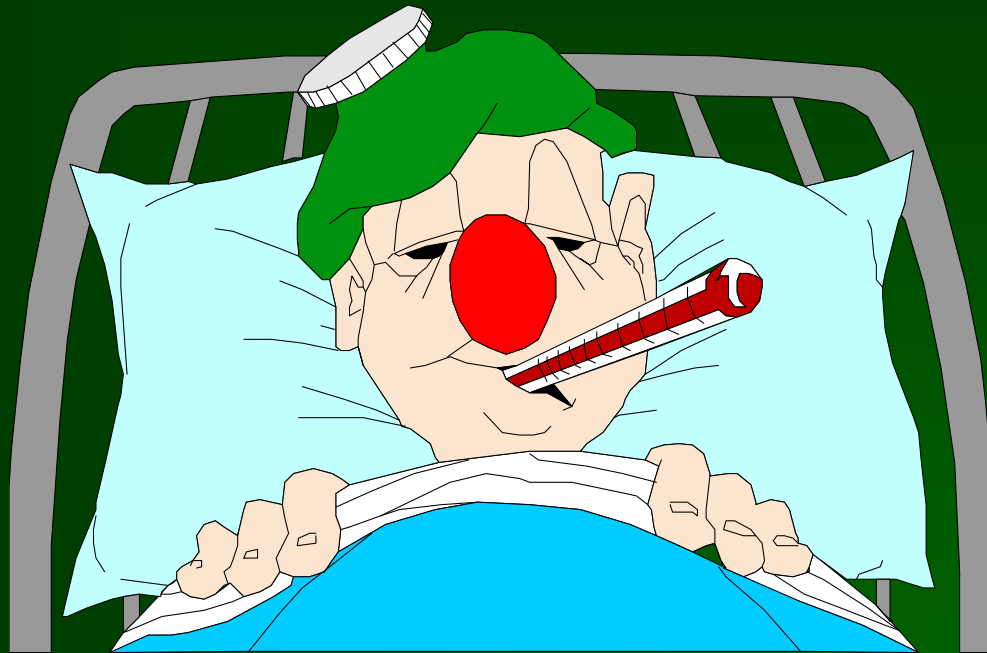
Proposal Writing

□ Keep

Editing
Improvements



Proposal Writing



It is not a headache !

Proposal Writing



Winning Proposal Writing

Proposal Writing



It is not a headache !

Proposal Writing

Proposal writing - Google Search - Windows Internet Explorer

http://www.google.com/search?hl=en&q=Proposal+writing&btnG=Google+Search

File Edit View Favorites Tools Help

Google C Proposal writing Go [Icons] Bookmarks Popups okay Check AutoLink AutoFill Send to Proposal writing Settings

Proposal writing - Google Search

Web Images Maps News Shopping Gmail more Sign in

Google Proposal writing Search Advanced Search Preferences

Web Results 1 - 10 of about 2,040,000 for **Proposal writing** (0.14 seconds)

Project sample
www.baselinemag.com 10 Steps to Pulling the Plug on an IT Project

Tip: Save time by hitting the return key instead of clicking on "search"

Get Started - Tutorials - Proposal Writing Short Course
The subject of this short course is **proposal writing**. But the **proposal** does not stand alone. It must be part of a process of planning and of research on, ...
foundationcenter.org/learn/shortcourse/prop1.html - 13k - Cached - Similar pages

Grants Information Collection - Proposal Writing - Internet Resources
The following web site offer excellent guidelines for grant **proposal writing**. Some include advice on letters of inquiry and sample proposals as well. ...
grants.library.wisc.edu/organizations/proposalwebsites.html - 11k - Cached - Similar pages

Guide for Writing a Funding Proposal
A practical Guide that provides both instructions on how to write a funding **proposal** with actual examples of a completed **proposal**.
www.leamerassociates.net/proposal/ - 13k - Cached - Similar pages

Proposal Writing: Stages & Strategies
In technical **writing**, including **proposal writing**, there are two basic types of abstracts which may be used: Descriptive and Summary - ...
facstaff.gpc.edu/~ebrown/infobr3.htm - 53k - Cached - Similar pages

University of Pittsburgh Office of Research

Sponsored Link: **Leveled Writing Samples**
Improves students' **writing** skills. 1000s of printable, leveled lessons
Writing.com

Sponsored Links: **Proposal Writing**
Download our Collection of 1,250+ Business Document Templates.
www.envision-sbs.com

Done Internet 100%

start [Icons] Proposal writing 01_home - Windows I... Proposal writing - Go... CANAR EVD0 Connect EN [Icons] 2:16 PM

Winning Proposal Writing

Proposal Writing



Winning Proposal Writing

Proposal Writing

Need help writing or editing your proposal?



PROPOSAL WRITING:

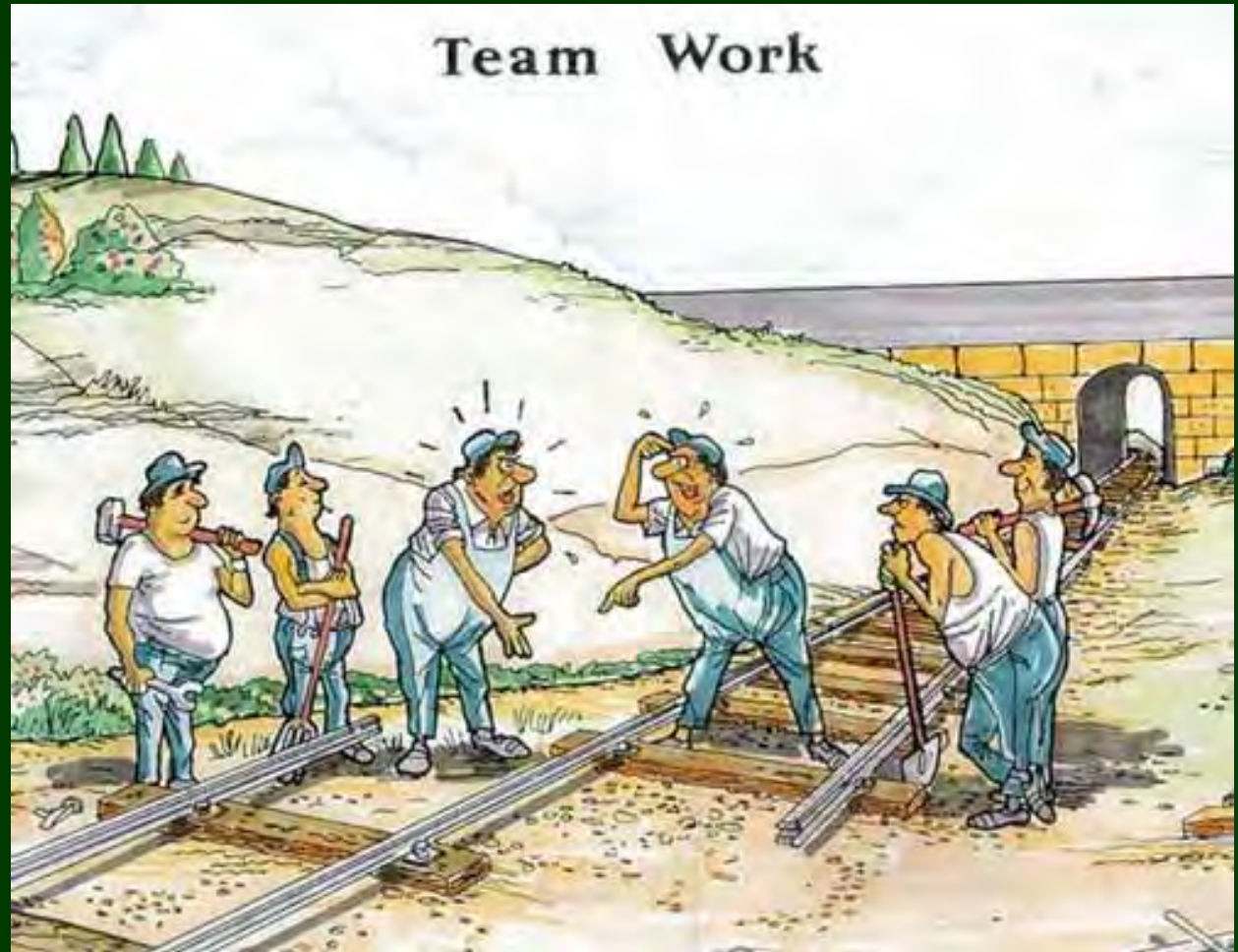
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Contact: Tom Malone

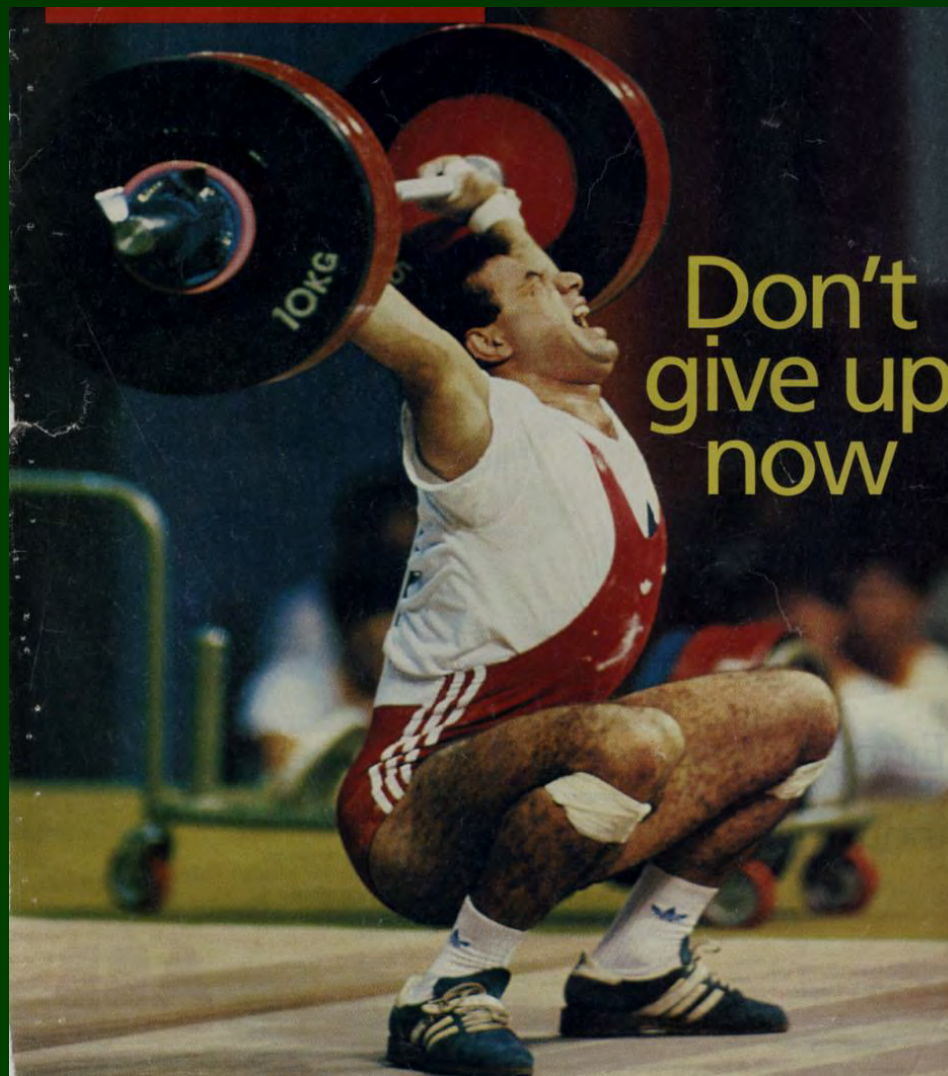
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Proposal Writing

Team work



Proposal Writing



Proposal Writing



Winning Proposal Writing

Proposal Writing

