

The Art of Grandsmanship (by Jacob Kraicer) mind-mapped by Evangelos Ergen

Parts of Proposal

1. Title Page

- it should be descriptive, specific and appropriate
- it sets the first impression
- it should reflect the importance of the proposal
- you might have a two part title (the first general and the second more specific)

2. Abstract/Summary of Proposal

- succinct and accurate description of the proposal
- state the hypotheses to be tested; give the long-term objectives; state the specific aims; make reference to how the proposal is directly related to the mission and objectives of the institute your application is being made
- the contents to include: hypotheses, objectives, approaches, research plan and significance

3. Recommended External Reviewers (if requested)

- begin with the stated hypothesis and tie this with the long-term objectives
- what is the proposed specific research intended to accomplish?
- what is the significance and relevance of the research?

specific aims

- these are the specific projects, studies and items that will be undertaken in order to fulfill the long-term objectives
- put them in logical, sequential order and define priorities

Background and Significance: Current State of Knowledge

- begin with a brief outline of the highlights in the background review
- what is known, what is not known and why is it essential to find out
- discuss fairly all sides of a controversy, disagreement and discrepancy in published results
- critically evaluate the relevant literature
- emphasize the importance and relevance of your proposal in bridging your hypotheses and long-term objectives to the background review
- identify gaps and contradictions; carry this into the rationale of your proposal
- integrate your previous findings within the background to give the reviewers a sense of your relevant contributions

Progress (as related to Background & Significance)

- list your publications and manuscripts submitted or accepted
- you need to convince the reviewers of your excellent and relevant training and that you have already substantial preliminary data and pilot studies
- review your preliminary studies and results; present the actual data; this will help to establish competence and credibility

Preliminary data/studies

- describe preliminary data that are relevant and pertinent; show actual data
- these should be tied directly to your hypotheses and long term objectives

Research Design and Methods

- be focused and clear
- the specific aims have stated what is your purpose; now you must describe how you propose to fulfil these Aims
- put the aims in a logical and sequential order; consider a brief opening paragraph describing the relationship of each specific aim to each other and to the overall objectives
- provide a brief tentative sequence and timetable for the project; clearly define priorities;

Budget

- budget usually is considered last after the merits of the proposal have been decided and score has been given
- you may be required to recommend a budget independent of the scientific merit of the proposal
- make sure the budget is well documented, realistic, appropriate and justified

Other grants received/pending

- be honest and complete;

Appended documents and publications

- do not include documents that are not required
- aim for good number of abstracts/full length papers are not well-received

before you start to write do some preparation

- read guidebooks, guidelines and PhD application forms
- make sure your proposal might fit with the mission of agency/institute you are requesting financial aid
- try to find a contact in the institute who will welcome your questions and answer them
- check which are the funding levels of this institute (what they usually pay or offer as scholarship-financial aid)
- it would be ideal to find someone who has already been funded from this institute and share his experience with you

formulate and clarify your ideas

- do you have a clear, concise and testable hypothesis?
- are your objectives and aims coming into focus?
- what questions are to be addressed?
- can you define and design specific experiments that will test directly your hypothesis?
- put together and write up your work and try to publish it
- discuss your ideas with colleagues in the same and relevant fields
- go through the process of explanation and discussion in order to clarify your ideas and identify possible gaps in logic