

NHMRC

INSTRUCTION BOOKLET

for

Research Scholarships

for

Medical

Dental

Allied Health & Nursing

Other Graduates

for 2007

Postal Address:

The Secretary
NHMRC Training Awards Committee
c/- Department of Health and Aged Care
MDP 33
GPO Box 1421
CANBERRA ACT 2601
Fax: INT + 61 2 6289 9131

Courier Address:

The Secretary
NHMRC Training Awards Committee
c/- Department of Health and Aged Care
Level 5, 20 Allara St
CANBERRA ACT 2606

Closing date 04 August 2006

(Applications must be submitted through your Research Office, you must contact your research office to confirm their closing date)

POSTGRADUATE RESEARCH SCHOLARSHIPS INSTRUCTIONS TO APPLICANTS

Please study the Researcher Deed of Agreement version 4, schedule for NHMRC Postgraduate Research Scholarships and NHMRC Scholarship Funding Rules before completing this application form.

ONLY ONE APPLICATION PER CANDIDATE WILL BE CONSIDERED.

UPDATES TO APPLICATIONS (ie PUBLICATION LISTS) WILL NOT BE ACCEPTED AFTER THE CLOSING DATE

LODGING THE APPLICATION

YOU MUST OBTAIN AN APPLICATION ID NUMBER FROM YOUR ADMINISTERING INSTITUTION.

Applications must be lodged with the NHMRC electronically (see instructions below) by 04 August 2006. In addition, one original hard copy (single-sided) must be submitted to the NHMRC by 04 August 2006:

Training Awards Secretariat
Collaborations and Researcher Support
Centre for Research Management and Policy
Office of NHMRC
MDP 33
GPO Box 1421
CANBERRA ACT 2601

Format of Electronic Lodgement

It is preferred that all documents be converted into PDF from the original electronic document. Where this is not possible, an RTF version of the application form will be accepted. All attachments eg. academic transcript, professional registration, etc, to the application should be included in a single Adobe Acrobat PDF file. It is recommended that version 4 or later of the software is used for compatibility purposes. The single file must be an exact duplicate of the document provided in hard copy, except as follows:

There may be a document that you are required to submit as an attachment to your application that you do not have electronically. In such cases you may include an extract from the document and must:

- Clearly indicate that the text is an extract of another document,
- Clearly identify the sender and recipient,
- Not change the context intended in the original document, and
- Provide a full certified copy of the document with the hard copy attachments.

NAMING THE FILE – You must name the PDF File following the format of:

“[Applicant’s Surname]_[APPID].pdf” - or “[Applicant’s Surname]_[APPID].rtf” - do not include square brackets or spaces in the file name, e.g. Smith_921340.pdf

QUERIES on Electronic Lodgement should be directed to the NHMRC Scholarships Officer on 02 6289 9113.

All other queries should be directed to the Assistant Director, Collaborations & Researcher Support on 02 6289 9114.

Submission

The single PDF or RTF file must be handed to your Research Administrative Officer (RAO) for submission to the NHMRC. Although the NHMRC requires the application in PDF format, it is possible to submit the file in RTF format if the applicant does not have access to PDF write/distiller needed to convert the file to PDF. The RAO is responsible for:

- Ensuring that the file meets the above criteria, and then
- Sending the file to NHMRC either:

On a Compact Disc

Attention: Training Awards Secretariat
 Collaborations and Researcher Support
 Centre for Research Management and Policy
 Office of NHMRC
 MDP 33
 GPO Box 1421
 CANBERRA ACT 2601

Or:

By email to - training.awards@health.gov.au

- i. the application form;
 - ◆ all detail is to be provided in the relevant box.
 - ◆ all dates are to be in day, month, year, format (eg 1 Jan 1996)
 - ◆ application I.D number to be provided by the administering institute prior to submission
 - ◆ All pages should be in black type, use a single column and 12 point Times New Roman font on white A4 paper, printed on one side only and unbound. Any additional information must also be submitted on A4 paper. Variants such as mathematical typesetting languages may also be used. References and publications may be reproduced in 10 point font size. Colour graphs or colour photographs may be included but they will be reproduced in black and white.
- ii. evidence of Australian Permanent Residency/Citizenship.
- iii. certification of medical/dental/allied health professional registration in Australia, where appropriate.

- iv. an academic transcript (**to be attached at end of application**). Applicants whose most recent degree was attained overseas should consult the National Office of Overseas Recognition (NOOSR) Country Education Profile to determine the Australian equivalent of their qualifications. A letter from their administering institution confirming the equivalent qualification must be attached to the end of the application.

Do not provide a CV.

- v. required clearances from ethics committees (one copy only), where available.

The applicant is responsible for providing a full copy of the completed application, with the relevant blank report forms, to:

- i. the supervisor at the proposed institution;
- ii. an independent referee knowledgeable in the proposed field of research. This referee is to have had no substantive professional or private contact with the applicant or to have had any previous or current collaboration with the applicant's recent or planned supervisors, but should be knowledgeable in the field of study. This referee should not be at the applicant's current institution.

All applications must be submitted through the appropriate administrative officer of the Australian institution concerned and must reach the NHMRC by 04 August 2006.

***FAILURE OF THE 2 REFEREES TO SUBMIT THEIR
REPORTS BY THE DUE DATE WILL SEVERELY
COMPROMISE THE CHANCES OF THE APPLICANT.***

Question 1b —Requested Scholarship Tenure

If already enrolled for the higher degree for which scholarship support is sought, reduce the period of support requested by the period of equivalent full time pre-enrolment up to December 2005.

Question 2—Area of Application

Please indicate which area of research your proposal *predominantly* falls under: Biomedical (basic research within the biomedical sciences), Clinical (usually involves direct interaction with patients or subjects, this includes interaction with patients/subjects with the behavioural and social sciences), or Public Health (Public Health emphasising population-based activities aimed at the improvement of the health of the population and the prevention of disease. For this question, Health Services research is considered to fall under the Public Health area).

Many proposals will include elements of all three, but you are asked to nominate which area your proposal *predominantly* falls under. Assessment panels may, in assessing your application, assign it to another area from the one you nominated in Question 3, if they believe that this is advisable, but if this reclassification occurs it will not prejudice your application in any way.

Question 3—Current Qualifications

This question asks you to indicate your current qualifications. This will determine to which Assessment Panel your application will be sent.

Question 4i—Primary Health Care

This question asks whether you wish your proposal to also be considered under the area of Primary Health Care. Separate consideration will be given to proposals that legitimately fall into this area. Additional funding is provided for these scholarships by the Department of Health & Ageing.

Question 4ii – The Pharmacy Practice Scholarships

Scholarships are being offered in the area of pharmacy practice. The Scholarships will be Australian-based. The successful applicant will have a commitment to, and a track record in pharmacy, or related, health services research.

Applicants interested in this co-funded scholarship should select one standard NHMRC Scholarship type, as well as ticking the box for the co-funded Scholarship. Consideration for this Scholarship will not affect the assessment of the standard NHMRC Scholarship application

Question 4iii – NHMRC/NHF Scholarship



The National Health and Medical Research Council/National Heart Foundation of Australia Scholarship

The National Heart Foundation of Australia is offering up to two Scholarships in the areas of biomedical, clinical or population health, in partnership with the NHMRC. The successful applicants will have a commitment to, and a track record in, research on cardiovascular disease or related disorders.

The National Heart Foundation of Australia requires that individuals, research groups or research institutions associated with this award shall not accept any research grant funds, consultancies or sponsorship from the tobacco industry or person connected with the tobacco industry. The Heart Foundation may call upon scholars to provide assistance with publicity and other events. It also requires acknowledgment of its support for the research in any publications or media publicity, and requires a copy of any published articles arising from the supported research.

Applicants interested in this co-funded scholarship should select one standard NHMRC Scholarship type, as well as ticking the box for the co-funded Scholarship.



Question 4.iv -NHMRC / MSRA Betty Cuthbert Scholarship

Multiple Sclerosis Research Australia (MSRA) is offering a scholarship in the areas of biomedical, clinical or population health, in partnership with the NHMRC. The successful applicant will have a commitment to, and a track record in, research on multiple sclerosis or related disorders.

MSRA may call upon scholars to provide assistance with publicity and other events. It also requires acknowledgment of its support for the research in any publications or media publicity, and requires a copy of any published articles arising from the supported research.

Applicants interested in this co-funded scholarship should select ‘Yes’.



Question 4.v -NHMRC / Retina Australia Scholarship

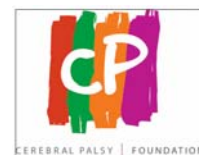
Retina Australia (www.retinaaustralia.com.au) in conjunction with the NH & MRC, is offering up to two scholarships in the field of Retinitis Pigmentosa (RP) and other retinal dystrophies (excluding diabetic retinopathy).

The successful applicants will have a commitment to, and a track record in, research into RP and other retinal dystrophies.

It is required that individuals, research groups or research institutions associated with this award shall not accept any research grant funds, consultancies or sponsorship from the tobacco industry or person connected with the tobacco industry.

Retina Australia will call upon scholars to provide assistance with publicity and other events. It also requires acknowledgment of its support for the research in any publications or media publicity, and requires a copy in “plain English” of any published articles arising from the supported research.

Applicants interested in this co-funded scholarship should select one standard NHMRC Scholarship type, as well as ticking the box for the co- funded Scholarship.



Question 4.vi -NHMRC / Cerebral Palsy Foundation Scholarship

The CP Foundation will support one PhD Scholarship in partnership with NHMRC. The Foundation (www.cpfoundation.com.au) offers a range of grants to support cerebral palsy research. The successful candidate will have a demonstrated commitment to, and track record in cerebral palsy research. The CP Foundation/NHMRC Doctoral Scholarship offers the recipient an opportunity to pursue their interest in cerebral palsy research, to acquire knowledge and skills from other cerebral palsy researchers and professionals and to seek assistance from the CP Foundation with any aspect of their work. This might include the recruitment of participants for research trials. The successful candidate may be asked to present progress reports to the trustees of the CP Foundation. The successful candidates may also have opportunities for presentations at CP Foundation donor functions and be supported to present their work at the national conference. Successful candidate’s work may be mentioned in CP Foundation publications. The Foundation also requires acknowledgment of its support for the research in any publications or media publicity, and requires a copy of any published articles arising from the supported research.

Applicants interested in this co-funded scholarship should select one standard NHMRC Scholarship type, as well as ticking the box for the co- funded Scholarship.

Question 7—Title of Proposed Study

The title should describe what you want to achieve in your research training. (a maximum number of characters is 112 including spaces)

Question 10—Administering Institution

The full name and full postal address of the institution responsible for administering the grant must appear here (e.g. Level 5 Royal Prince Alfred Hospital, Missenden Road, Camperdown NSW 2030). While there may be instances where the research is carried out in more than one location, there can be only one administering institution for each award.

Question 11a—Are You an Australian citizen?

Applicants must provide formal documentary evidence of their Australian or New Zealand Citizenship or Australian Permanent Residency Status, and attach this to the end of the application.

Question 11b—Medical/Dental/Health Professional Registration

Medical, Dental and Nursing and Allied Health Professional applicants must provide a copy of current registration in an Australian state or territory, and attach at this at the end of the application. Applications without this documentation will not be considered.

Question 12 i—Detail Undergraduate Performance

Detail undergraduate record. An academic transcript including the institutional key to grading system must be attached at the end of the application. For the electronic copy the transcript must be scanned. Applicants whose most recent degree was attained overseas should consult the National Office of Overseas Recognition (NOOSR) Country Education Profile to determine the Australian equivalent of their qualifications. A letter from their administering institution confirming the equivalent qualification must be attached to the end of this application.

Question 12 ii – University prizes

List university prizes and medals.

Question 13 i—Research Experience

Applicants should list other research experience including electives and full or part-time research. Include the total amount of research experience.

Question 13 ii

Where the applicant has completed a research-oriented/degree they should indicate the thesis title, publications arising from the degree and the total amount of research experience gained during the degree.

Question 14—Publications

The applicant's publications should be listed as:

- i. Refereed journal articles (published, in press or submitted), together with the most recent impact factor for the journal. (Please indicate where low journal impact factors may give a misleading impression of your research output, ie publication in very specialised journals, publication in Australian journals with low international impact factors where the research may have had a high impact in Australia). If a publication is 'in press' or 'submitted' then the applicant should confirm the date accepted.

- ii. Other articles, reviews, book chapters etc.
- iii. Published Abstracts.
- iv. Provide details of conference presentations, authors and title of conference.
- v. Case Reports.
- vi. Patents
- vii. *Refereed journal articles in which the work of the applicant is acknowledged.***

If a publication is 'in press' or 'submitted' then the applicant should confirm the date accepted.

Please use format shown below and include all authors, full title, journals, volume, first and last page numbers, and date of publication.

Example

Bloggs A, Smith B, Applicant C, Jones D. Studies on how best to get a Scholarship. J Appl Sci 10: 1-15 (1995)

Question 15—Career Chronology

Please provide a summary of complete career chronology from beginning of tertiary studies: include all periods of employment and courses of training or study, and indicate full or part-time (F/T, P/T) beside the year.

Question 16—Research Project, Aims, Significance, Background, References

The proposed research program, including references, should not exceed the two pages provided in the form. The proposal should be made up of Aims, Background, Proposed Research Program (briefly mention proposed technologies), a statement concerning the significance of the proposal, and References (a few critical references only—journal references, no titles).

Justification of Project in relation to the criteria for health and medical research for Aboriginal and Torres Strait Islanders

As an attachment to this application, and in 2 pages, please address these criteria:

Community engagement

The proposal demonstrates how the project has had and will have relevant community engagement by individuals, communities and/or organisations in conceptualisation, development and approval, data collection and management, analysis, report writing and dissemination of results.

Benefit

The proposal demonstrates the potential health benefit of the project for Aboriginal and Torres Strait Islander peoples. Benefit need not necessarily be direct or immediate.

Sustainability and transferability

The proposal demonstrates how the results of the project have the potential to lead to

achievable and effective contributions to health gain for Aboriginal and Torres Strait Islander people, beyond the life of the project. This may be through sustainability in the project setting and/or transferability to other settings. In considering this issue the proposal should address the relation between costs and benefits.

Building capability

The proposal demonstrates how Aboriginal communities, researchers and others will develop relevant capabilities through participation in the project.

Priority

The research and potential outcomes are a priority for Aboriginal and Torres Strait Islander communities either at community, regional or national levels.

Significance

The research addresses an important public health issue for Aboriginal and Torres Strait Islander people.

In addition, all applications in this category of Fellowship will be further assessed by an Indigenous Health Research Panel who will consider the applications against the following criteria:

Applicant

- The applicant's research capacity, including:
 - a) Past experience;
 - b) Current activities; and
 - c) Future potential.

Project

- The extent to which the individual award will enhance the applicant's ability to contribute to Aboriginal and Torres Strait Islander health.
- The potential for the chosen field of study to contribute to the Road Map.

The link to the Road Map is: <http://www.nhmrc.gov.au/publications/synopses/r28syn.htm>

Question 17—Reports in Confidence

Supervisor for Project: The supervisor is to provide with their report a 2 page CV incorporating the following:

A: Personal details; name, title, current position

Education: degrees/qualifications, year, institution

Experience: postgraduate professional and research positions held in last 5 years

Support: details of current and past (last 6 years), grants held

Postgraduate Student Supervision: numbers of students completed and currently enrolled.

Publications: list in chronological order: the titles, all authors and complete references to (the supervisor's) publications from the past 5 years.

B: Independent Referee Report: This referee is requested to comment specifically on the feasibility, originality and quality of the proposed project. Please comment on the potential of the project and the environment of the host institution to enhance the career development of the applicant. This referee is to have had no substantive professional or private contact with the applicant or to have had any previous or current collaboration with the applicant's recent or future supervisors, but should be knowledgeable in the field of study. The referee should not be at the applicant's current institution.

Use the guidelines to referees given on the multi-use report form on the web page. You should make it clear to your referees that they should send this report directly to the Office of NHMRC by the deadline for the submission of applications. The means of submission of the report to the mailbox is given on the form. It is not the same mailbox that should be used to submit the application.

Referees should email the report to NHMRC.Referee.CARSS@health.gov.au

Question 18—Signatures

The application is invalid without the signature of the applicant. Additionally, the application will not be considered without the signatures of the intended supervisor, Head of intended department and Head of the administering institution. While it is preferred that both the hard copy and electronic versions have signatures included, it is essential that the hard copy version have the required signatures. It is not necessary to scan signatures for the electronic version of the application, as this will not rule the application invalid.

The NHMRC accepts as the Head of Institutions: the Registrars of universities, the Directors of independent institutes, and the Managers/Secretaries or Medical Superintendents of hospitals.

Question 21—Socioeconomic Objectives

Appendix A presents a comprehensive list of Socioeconomic Objectives. Select at least one objective and a maximum of five. Enter the descriptors in the upper part of the box and the percentage allocation in the lower part.

The Socioeconomic Objective of research allows it to be classified in line with the researcher's perceived purpose in undertaking the particular study. It is not to be confused with the nature of the research, ie. the field of research.

The SEO classification system utilised is that developed as the Australian Standard Research Classification (ASRC) by the Australian Bureau of Statistics which is available on the Internet at:

<http://www.abs.gov.au> (Search for site '1297.0')

The list of SEOs provided at **Appendix A** has been taken from the list of standard classifications as the most relevant to NHMRC-supported research and is not intended to be de-segregated into specific sub-categories. For example, a research project on cancer of the colon would be classified as Health; Clinical (Organs, Diseases and Abnormal Conditions); Cancer and related disorders; the specific area should be noted in your Keyword choices.

Should your research project not appear to be adequately covered in the provided list, please use the closest "other – not elsewhere classified" item.

The NHMRC acknowledges that any particular piece of research may have more than one purpose and may be relevant to more than one purpose. You will be required to allocate the

percentage of research applicable to any specific objective. The total allocation must add up to 100%, and will be limited to a maximum of 5 (five) nominated objectives.

Example: A project entitled *The Role of Nitric Oxide Synthase on the Development of Hypertension in Pregnancy-Induced Hypertension* could be allocated across the *Cardiovascular Diseases* (50%), *Women's Health* (30%), *Reproductive Medicine* (10%), *Endocrine Diseases* (10%). Predominantly, basic research could appropriately be allocated in part to one of the Non-oriented Research classifications.

Question 22—Research Classifications

Broad Research Area:

Select one from the following five broad areas of research activity and enter in the box provided.

Broad Research Area

Basic Science

Clinical Medicine and Science

Preventive Medicine

Broad Research Area

Health Services Research

Public Health

Field of Research:

One only to be selected from the list at **Appendix B** and entered in the box provided.

The Fields of Research are taken from the Australian Bureau of Statistics (ABS) *Australian Standard Research Classification* 1998 edition. If you wish to obtain more information about these Fields of Research you may access the publication at:

<http://www.abs.gov.au> (Search for site '1297.0')

Question 23 - National Research Priorities

Select the relevant priority area(s) and enter a percentage to describe that portion of the research relevant to the selected priority sub-group. The total percentage should not exceed 100% but may be less.

Detailed descriptions of the National Research Priorities are available via the following weblink:

http://www.dest.gov.au/sectors/research_sector/policies_issues_reviews/key_issues/national_research_priorities/default.htm

Question 25 - Consumer and Community Participation

If yes, describe how you will ensure that:

1. research participants will have access to their own results, and how you will be accountable to participants for the overall results of the research.
2. consumers will be involved in this research, and how you will communicate the results of the research to participants and the community.

Applicants should refer to the Consumers Health Forum of Australia Inc and National Health and Medical Research Council *Statement on Consumer and Community Participation in Health and Medical Research* available via the following weblink:

<http://www.nhmrc.gov.au/publications/synopses/r22syn.htm>

(Note: Successful applicants will be required to include information about the involvement of consumers, and communication to consumers and the community, in their final report. This information will contribute to the evaluation and outcomes of research.)

Question 26—Keywords

Indicate a minimum of three and a maximum of five keywords which most closely describe this project. Please avoid words used in the classifications at Question 22. DO NOT EXCEED 20 CHARACTERS, INCLUDING SPACES. No additional characters will be recorded.

Question 29—Clearance Requirements

The Funding Policy provides important information regarding requirements for ethics approvals and should be read prior to completing this section. Attachment A provides additional background information.

Research funded by the NHMRC must be conducted in accordance with the Joint NHMRC/AVCC Statement and Guidelines on Research Practice, available on the Internet at

<http://www.nhmrc.gov.au/funding/policy/code.htm>

Question 29.1 – Research involving humans

You must check “Yes” at this question if your research proposal requires submission to an Institutional Human Research Ethics Committee (HREC). If you answer “Yes” to this question, you must also complete **Questions 26.2 to 26.5** and the RAO must complete the **Approvals** section of the application form.

Question 29.2 – Use of personal information obtained from a Commonwealth Department or agency – Privacy issues.

If you answer “Yes” to this question, you must also enter the name of the Commonwealth Agency or Department involved.

Question 29.3 – Administration to Humans of Drugs, Chemical Agents or Vaccines.

You must answer “Yes” to this question if the project will involve the administration of drugs, chemical agents or vaccines to humans.

Question 29.4 – Do any activities in this research proposal require a licence for the use of excess ART embryos under the Research Involving Human Embryos Act 2002?

The **Research Involving Embryos Act 2002** and **Prohibition of Human Cloning Act 2002** were passed by Parliament in December 2002. These Acts establish a strong regulatory framework to prohibit certain unacceptable practices including human cloning, and to regulate uses of excess human embryos created through assisted reproductive technology (ART).

The legislation regulates certain uses of excess ART embryos. After 19 June 2003, it became an offence to use an excess ART embryo unless the use is authorised by a licence issued by the NHMRC Licensing Committee, or is an exempt use.

The Act includes a number of “exempt” uses of excess ART embryos, for which no licence is required from the NHMRC Licensing Committee. There are:

- storage of the excess ART embryo;
- removal of the excess ART embryo from storage;
- transport of the excess ART embryo;
- observation of the excess ART embryo, including photographing or video recording;
- allowing the excess ART embryo to succumb;
- diagnostic investigations on the excess ART embryo carried out by an ART clinic, where the embryo is biologically unfit for implantation. Such investigations can be carried out in an attempt to find the cause of abnormal development, in order to directly benefit the woman for whom the embryo was created in subsequent ART treatment; and
- using the excess ART embryo in the ART treatment of a woman other than the woman for whom the excess ART embryo was created. That is, where the excess ART embryo has been donated by the couple or woman for whom it was created for the ART treatment of another couple.

All uses of excess ART embryos that are not exempt uses (as detailed above) can only be carried out if authorised by a licence issued by the NHMRC Licensing Committee.

Further information regarding research using human embryos can be found from the NHMRC website at:

<http://www.nhmrc.gov.au/embryos/index.htm>

Question 29.5 – Ethical implications of Experiments on Humans

For research involving humans, a brief statement of the ethical issues that arise from such research, and an explanation of how these issues will be addressed, must be given here.

Note that it is not sufficient to state that “the National statement will be observed”. The Research Plan must include sufficient detail to enable the project to be fully assessed in respect of ethical issues by an independent HREC.

Indigenous Health Research

Applications that include Indigenous Australians in the study population must also address the *Criteria for Health and Medical Research of Indigenous Australians*. Applicants are permitted an additional two pages in which to address these criteria. The additional pages must be clearly labelled and attached at the end of the application. Question 16, p.6, provides further details.

Question 29.6 – Research using humans – Number of males and females

If you answer “No” to this question, you must provide a brief explanation of the sample size and ratio of males to females in the study.

Question 29.7 – Research Involving Animals

You must check “Yes” to this question if the research proposal requires submission to an Institutional Animal Ethics Committee. If you answer “Yes” to this question, you must then answer Questions 26.8 to 26.10 and the RAO must complete the Approvals section of the application form.

Question 29.8 – Approval by an Animal Ethics Committee

If you answered “Yes” to 26.7, identify the Institutional Animal Ethics Committee to which the application has been or will be referred.

Question 29.9 – Ethical Implications of the Project’s Experiment on Animals

For experiments involving animals, a brief statement justifying the use of animals in the experiments related to the application must be given here. The statement should address the general principles of replacement, reduction and refinement.

Note that it is not sufficient to state that “The Australian Code of Practice for the Care and Use of Animals for Scientific Purposes will be observed”.

Question 29.10 – Animal usage

The question asks you to identify the animal species (and strains where appropriate) to be used in the project and to indicate the number of each species and strain.

This information is designed to help Institutional Animal Ethics Committees and to provide statistical information to the NHMRC on the use of animals in medical research.

Question 29.11 – Genetic manipulation of Organisms

Check “Yes” at this question if the project will involve organisms being genetically manipulated such that it falls under the current Gene Technology Technical Advisory Committee guidelines.

If there are ethical implications such as possible animal welfare aspects, you must include them in your answers to Questions 26.7 to 27.10.

Question 29.12 – Use of Carcinogenic or Highly Toxic Chemicals

Answer “Yes” to this question if the project will involve use of carcinogenic or highly toxic chemicals.

If there are ethical implications, such as animal welfare aspects you must include them in your answer to Questions 26.7 to 26.10

Attachment 3—Applicant’s Personal Information

Please attach a copy of these details to the application forms.

**MANUFACTURING
HUMAN PHARMACEUTICAL PRODUCTS**

Prevention—biological (eg. vaccines)
Diagnostics
Treatments (e.g. chemicals, antibiotics)
Other

INSTRUMENTATION

Scientific Instrumentation
Medical Instrumentation

**INFORMATION AND COMMUNICATION
SERVICES****OTHER INFORMATION SERVICES**

Information Services n.e.c.

HEALTH**CLINICAL (ORGANS, DISEASES AND
CONDITIONS)**

Infectious Diseases
Immune System and Allergy
Blood Disorders
Neurological Disorders
Endocrine Diseases (including Diabetes)
Cardiovascular Diseases
Inherited Diseases
Cancer and Related Disorders
Surgical Methods and Procedures
Respiratory Diseases (including Asthma)
Hearing, Vision and Speech
Oro-dental
Digestive System
Arthritis, Bone and Joint Disorders
Kidney Diseases
Reproductive Medicine
Skin and Related Conditions
Other organs, Diseases and Conditions
Clinical health not related to particular organs,
diseases and conditions

PUBLIC HEALTH

Women's Health
Health Related to Ageing
Child Health
Aboriginal Health
Substance Abuse
Occupational Health
Environmental Health
Mental Health
Disease Distribution and Transmission
Preventive Medicine
Dental Health
Nutrition
Food safety
Health Status (e.g. indicators of 'well-being')
Social Structure and Health
Behaviour and Health

Public Health n.e.c.

HEALTH AND SUPPORT SERVICES

Health Education and Promotion
Nursing
Occupational, Speech and Physiotherapy
Palliative Care
Diagnostic Methods
Evaluation of Health Outcomes
Health Policy Evaluation
Health Policy Economic Outcomes
Health and Support Services n.e.c.

**SOCIAL DEVELOPMENT AND COMMUNITY
SERVICES****ETHICAL ISSUES**

Bioethics

ENVIRONMENTAL KNOWLEDGE**SOCIAL ENVIRONMENT**

Environmental Health

**ENVIRONMENTAL MANAGEMENT AND OTHER
ASPECTS****ENVIRONMENTAL MANAGEMENT**

Control of human-induced environmental hazards

ADVANCEMENT OF KNOWLEDGE**MEDICAL AND HEALTH SCIENCES**

Medical and Health Sciences

Fields of Research

IMMUNOLOGY

Allergy
Cellular Immunology
Humoral Immunology and
Immunochemistry
Immunogenetics
Transplantation Immunology
Tumour Immunology
Autoimmunity
Immunology not elsewhere
classified

MEDICAL

BIOCHEMISTRY AND CLINICAL CHEMISTRY

Clinical Chemistry
Medical Biochemistry:
Carbohydrates
Medical Biochemistry: Lipids
Medical Biochemistry: Nucleic
Acids
Medical Biochemistry: Proteins
and Peptides
Medical Biochemistry:
Phospholipids
Medical Biochemistry: Other

MEDICAL

MICROBIOLOGY

Medical Bacteriology
Medical Virology
Medical Infection Agents (incl.
Prions)
Medical Mycology
Medical Parasitology
Medical Microbiology not
elsewhere classified

PHARMACOLOGY AND PHARMACEUTICAL SCIENCES

Pharmaceutical Sciences and
Pharmacy
Basic Pharmacology
Clinical Pharmacology and
Therapeutics
Toxicology (incl. Clinical
Toxicology)
Pharmacology not elsewhere
classified

MEDICAL

PHYSIOLOGY

Human Biophysics
Cell Physiology
Systems Physiology

Medical Physiology n.e.c.

NEUROSCIENCES

Autonomic Nervous System
Central Nervous System
Peripheral Nervous System
Cellular Nervous System
Sensory Systems
Neurosciences not elsewhere
classified

DENTISTRY

Oral Surgery
Dentistry Support
Dental Technology
Dental Therapy
Dentistry not elsewhere
classified

OPTOMETRY

Optical Technology
Optometry not elsewhere
classified

CLINICAL SCIENCES

Anaesthesiology
Dermatology
Cardiology (incl.
cardiovascular Diseases)
Endocrinology
Fetal Development and
Medicine
Gastroenterology
Geriatrics and Gerontology
Haematology
Intensive Care
Infectious Diseases
Medical Genetics
Nephrology and Urology
Neurology and Neuromuscular
Diseases
Obstetrics and Gynaecology
Oncology and Carcinogenesis
Ophthalmology and Vision
Science
Orthopaedics
Otorhinolaryngology
Paediatrics
Pathology
Psychiatry
Radiology and Organ Imaging
Radiotherapy and Nuclear
Medicine
Rehabilitation and Therapy:
Occupational and Physical
Rehabilitation and Therapy:
Hearing and Speech
Reproduction

Appendix B

Respiratory Diseases

Rheumatology and Arthritis
Surgery
Venereology
Hepatology
Clinical Sciences not elsewhere
classified

NURSING

Midwifery
Clinical Nursing: Primary
(Preventative)
Clinical Nursing: Secondary
(Acute Care)
Clinical Nursing: Tertiary
(Rehabilitative)
Mental Health Nursing
Aged Care Nursing
Nursing not elsewhere
classified

PUBLIC HEALTH and HEALTH SERVICES

Environmental and
Occupational Health and
Safety
Epidemiology
Health Information
Systems (incl. Surveillance)
Mental Health
Nutrition and Dietetics
Preventive Medicine
Indigenous Health
Primary Health Care
Family Care
Community Child Health
Residential Client Care
Care for Disabled
Human Bioethics
Health and Community
Services
Health Care Administration
Health Promotion
Health Counselling
Public Health and Health
services not elsewhere
classified

COMPLEMENTARY/AL TERNATIVE MEDICINE

Oriental Medicine and
Treatments
Chiropractic
Naturopathy
Complementary/ Alternative
Medicine not elsewhere
classified

**HUMAN MOVEMENT
and SPORTS SCIENCE**

Exercise Physiology
Biomechanics
Motor Control
Sport and Exercise Psychology
Sports Medicine
Human Movement and Sports
Science not elsewhere
classified

**OTHER MEDICAL AND
HEALTH SCIENCES**

Podiatry
Medical Biotechnology
Therapies and Therapeutic
Technology
Medical and Health Sciences
not elsewhere classified

**BIOLOGICAL
SCIENCES****BIOCHEMISTRY and
CELL BIOLOGY**

Analytical Biochemistry
Cell Metabolism
Protein Targeting and Signal
Transduction
Membrane Biology
Cellular Interactions (incl.
Adhesion, Matrix, Cell Wall)
Cell Development (incl. Cell
Division and Apoptosis)
Cell Neurochemistry
Enzymes
Biochemistry and Cell Biology
not elsewhere classified

GENETICS

Gene Expression
Genome Structure
Population and Ecological
Genetics
Anthropological Genetics
Genetic Development (incl. Sex
Determination)
Genetic Immunology
Quantitative Genetics
Molecular Evolution
Meiosis and Recombination
Neurogenetics
Genetics not elsewhere
classified

BIOTECHNOLOGY

Gene Therapy
Diagnostic Applications
Transgenesis
Genetic Technologies:
Transformation, Site-directed
Mutagenesis, etc.
Genetic Engineering and
Enzyme Technology
Biotechnology not elsewhere
classified

STATISTICS

Applied Statistics

**OTHER PHYSICAL
SCIENCES**

Biophysics
Medical Physics
Instruments and Techniques

**BIOMEDICAL
ENGINEERING**

Clinical Engineering
Rehabilitation Engineering
Biomaterials
Biomechanical Engineering
Biomedical Engineering not
elsewhere classified

ECONOMICS

Health Economics

PSYCHOLOGY

Sensory Processes,
Perceptions and Performance
Learning, Memory, Cognition
and Language
Biological Psychology
(Neuropsychology,
Psychopharmacology,
Physiological Psychology)
Personality, Abilities
and Assessment
Social and Community
Psychology
Developmental Psychology
and Ageing
Health, Clinical and
Counselling
Psychology
Industrial and Organisational
Psychology
Psychological Methodology,
Design and Analysis
Psychology not Elsewhere classified

Question 27 – Burden Of Disease

Appendix C

Select the relevant Burden of Disease category and enter a percentage against each to describe that portion of your research relevant to the selected category or priority sub-group. The percentage given may total up to 100%.

The NHMRC Burden of Disease construct consists of 27 categories which capture the research environment and reporting requirements of the NHMRC. The National Health Priority Areas have also been included in the Burden of Disease construct and this has been done in such a way that enables them to be easily identified and they have, therefore, not been included as a separate research category question in this application form.

A listing of the Burden of Disease categories is provided below:

1. Asthma
2. Respiratory conditions-acute and chronic
3. Cardiovascular disease
4. Cancer - Malignant neoplasms
5. Benign neoplasms/myomas
6. Congenital abnormalities
7. Diabetes mellitus
8. Endocrine and metabolic
9. Diseases of the digestive
10. Genitourinary (including kidney) diseases
11. Infectious and parasitic diseases
12. Injuries - Unintentional and Intentional
13. Maternal conditions, foetal development and neonatal disorders
14. Mental disorders
15. Alzheimer's disease and other dementias
16. Sense Organ disorders
17. Nervous system disorders
18. Arthritis
19. Osteoporosis
20. Other Musculo-skeletal conditions
21. Nutritional deficiencies
22. Oral health
23. Skin diseases (excluding skin cancer/melanoma)
24. Other Ill-defined conditions
25. Immunity, immunology not elsewhere classified
26. Genetics –developments, defects, inherited conditions and therapies not elsewhere classified,
27. Health services research, Public health matters and epidemiology not elsewhere classified