

Australian based

**Biomedical (Peter Doherty) Fellowship
Australian Clinical Research Fellowship
Public Health Fellowship (Australia)
Health Professional Research Training Fellowship
Australian Research Training Fellowship (Part-Time)
Primary Health Care Fellowship**

Overseas based

**Biomedical (C J Martin) Fellowship
Clinical (Neil Hamilton Fairley) Fellowship
Public Health (Sidney Sax) Fellowship
INSERM Exchange Fellowship**

Aboriginal and Torres Strait Islander Health Research Fellowship

for funding commencing in 2007

Postal Address:

The Secretary
NHMRC Training Awards Committee
c/- Department of Health and Aged Care
MDP 33
GPO Box 9848
CANBERRA ACT 2601
Fax: INT + 61 2 6289 9115

Courier Address:

The Secretary
NHMRC Training Awards Committee
c/- Department of Health and Aged Care
Level 5, 20 Allara St
CANBERRA ACT 2601
Ph: INT + 61 2 6289 9115

Closing date : 07 July 2006

PLEASE STUDY THE DEED OF AGREEMENT FOR RESEARCHER SUPPORT BEFORE COMPLETING THE APPLICATION FORM.

LODGING THE APPLICATION

Applications must be lodged with the NHMRC electronically (see instructions below) by 7 July 2006. In addition, the original single-sided application must be submitted to the NHMRC by 7 July 2006:

Training Awards Secretariat
Centre for Research Management and Policy
Office of NHMRC
MDP 33
GPO Box 9848
CANBERRA ACT 2601

Format of Electronic Lodgement

All documents are to be converted into PDF from the original signed RTF documents. This document must be scanned at a resolution of no more than 200dpi (to avoid producing a huge PDF file). All attachments to the application must be included in the 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 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” - 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 Help Desk on 1800 500983

All other queries should be directed to the Assistant Director, Career Development and Training Awards on 02 6289 9114.

Submission

The single PDF file must be provided to the Research Administration Officer (RAO) of your Administering Institution. 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 - For Attention: Director,
 Collaborations and Researcher Support Section,
 Centre for Research Management and Policy,
 NHMRC, MDP 33, Level 5, 20 Allara St,
 CANBERRA ACT; 2606

or

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

Where an applicant has some concern over his/her potential eligibility, particularly in regard to the number of years postdoctoral, or moving institution for Australian-based Fellowships, the applicant is required to refer the matter to the Training Awards mailbox, training.awards@health.gov.au giving a full description of the circumstances. The request will be referred to the Training Awards Committee for a decision. The details should be forwarded to NHMRC for consideration no later than 9 June. Any applicant (except those applying for a Health Professional Research Training Fellowship) that was awarded a PhD prior to 30 June 2004, or those applying for an Australian-based Fellowship and not moving to a different institution, who does not seek prior approval from the Training Awards Committee will be ruled ineligible.

- i. the application form;
 - ◆ all detail is to be provided in the relevant box.
 - ◆ use 12 point font, preferably Times New Roman
 - ◆ all dates are to be in day, month, year, format (eg 1 Jan 1996)
 - ◆ application I.D. number to be provided by administering institute prior to submission
- ii. evidence of Australian residency status, where applicable.
- iii. an academic transcript (must be scanned and attached at the end of the 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.

- iv. a copy of the university notification of award of PhD, as appropriate (Question 8.6)

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

- i. two nominated referees (see below).
- ii. the initial supervisor of the project.

These referees must submit their reports electronically to NHMRC.Referee.CARSS@health.gov.au by 7 July 2006.

All applications must be submitted through the appropriate administrative officer of the Australian institution concerned and must reach the NHMRC by 07 July 2006.

Salary Packages

Fellowship salary packages at the Training Support Package level 1 (currently at \$62,250) and if appropriate, clinical loadings will be paid. It is the successful applicants' responsibility to negotiate a salary in accordance with the institution's Workplace Agreement or salary guidelines.

Salary packages and allowances are payable to the Australian Administering Institution nominated by the Fellow and approved by the Council. Such payments shall be made quarterly in the case of salary packages and at such periods as may be appropriate and as determined by the Council in respect of other payments. Advances against anticipated and authorised expenses may be paid.

Application

Question 1.1 – Application ID

Please contact the Research Office at your Administering Institution for this number.

Question 1.2—Selecting a fellowship type:

- ◆ The Biomedical (Peter Doherty) Fellowships: are primarily intended to support full time training in basic research within the biomedical sciences.

Applicants from any health-related discipline may apply.

- ◆ The Australian Clinical Research Fellowships: are primarily intended to support full time training in clinical research. As a guideline applicant's attention is drawn to the definition proposed by the Clinical Research Sub-committee which is:

“Research which involves an interaction between a fellowship applicant and a patient/subject/participant.”

Applicants from any health-related discipline may apply.

- ◆ The Public Health (Australia) Fellowships: are primarily intended to support full time training in Public Health research.

As a guide, Public Health research may be considered to be research into

“Public Health emphasising population-based activities aimed at the improvement of the health of the population and the prevention of disease.”

Applicants from any health-related discipline may apply.

- ◆ The Biomedical (CJ Martin Fellowships): are primarily intended to support full time training in basic research within the biomedical sciences.

Applicants from any health-related discipline may apply.

- ◆ The Clinical (Neil Hamilton Fairley) Fellowships: are primarily intended to support full time training in clinical research. As a guideline applicant's attention is drawn to the definition proposed by the Clinical Research Sub-committee which is:

“Research which involves an interaction between a fellowship applicant and a patient/subject/participant.”

Applicants from any health-related discipline may apply.

- ◆ The Public Health (Sidney Sax) Fellowships: are primarily intended to support full time training in Public Health research.

As a guide, Public Health research may be considered to be research into

“Public Health emphasising population-based activities aimed at the improvement of the health of the population and the prevention of disease.”

Applicants from any health-related discipline may apply.

- ◆ The Health Professional Research Fellowships: are primarily intended to support part-time, (50-70%), training to allow awardees to combine their professional career development with a research training fellowship.

Their aim is to encourage persons who wish to follow a clinical, public and allied health, or hospital scientist career but who do not wish to fully relinquish their professional career in favour of a full time research fellowship.

- ◆ The Australian Training Research Fellowship (Part-time) Fellowships: are primarily intended to provide training in bio-medical, clinical and public health research, including the social and behavioural sciences.

Their aim is to enable persons of outstanding ability to undertake research on a part-time basis where they do not have other research, clinical or practitioner responsibilities. An applicant for this Fellowship would typically either be suffering an illness, be caring for someone with an illness, or be caring for an infant. Australian Research Training Fellowships (Part-Time) are available to graduates in all health-related fields.

- ◆ INSERM Fellowships: are primarily intended to provide a vehicle for training in basic, clinical, or public health research within the health sciences, at an INSERM

laboratory/institution in France. Please note that INSERM will no longer agree to fund applicants proposing to conduct research at a CNRS laboratory. Applicants proposing research at any laboratory other than an INSERM one should choose one of the three other categories of Overseas Fellowship.

Applicants from any health-related discipline may apply.

The successful applicant will be referred to as the NHMRC-INSERM Exchange/C J Martin (or Sidney Sax/Neil Hamilton Fairley) Fellow.

- ◆ The Aboriginal and Torres Strait Islander Health Research Fellowships: are primarily intended to provide a vehicle for research training or training in areas of particular relevance to Aboriginal and Torres Strait Islanders. The fellowships are offered to persons who wish to make Aboriginal and Torres Strait Islander Health Research a significant component of their career. This Fellowship is available to graduates in all health-related fields. Priority will be offered to Aboriginal and Torres Strait Islanders.

Question 2 —NHMRC / R G Menzies Fellowship

This question only applies to Overseas Biomedical (C J Martin) Fellowship, Clinical (Neil Hamilton Fairley) Fellowship & Public Health (Sidney Sax) Fellowship applicants.

The Menzies Foundation, which is providing some financial support for the NHMRC/RG Menzies Fellowship, seeks applicants with such qualities as leadership ability, both proven and potential, to contribute to the life of the University, and demonstrating interest in the service of others. The Foundation will explore with the successful Fellow the possibility of offering some relevant enhancement, not provided in the NHMRC Fellowship scheme. In the space provided, please address these issues. Potential applicants should note that this award is in addition to the award of either a CJ Martin, NH Fairley or Sidney Sax Fellowship, and therefore it does not replace any of these awards.

Question 3.1 —NHMRC / NHF Fellowship



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

The National Heart Foundation of Australia is offering up to two Fellowships in the areas of biomedical, clinical or population health, in partnership with the NHMRC. One of these Fellowships will be an overseas/Australian fellowship. The successful applicants will have a commitment to, and a track record in, research on cardiovascular disease or related disorders. *In the case of a part-time Health Professional award, the clinical or Health Professional practice component must be related to, or relevant to, 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 fellows 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 fellowship should select ‘Yes’.

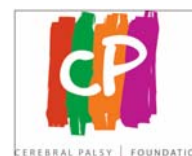


Question 3.2 —NHMRC / MSRA Betty Cuthbert Fellowship

Multiple Sclerosis Research Australia (MSRA) is offering a Fellowship 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. *In the case of a part-time Health Professional award, the clinical or Health Professional practice component must be related to, or relevant to, multiple sclerosis or related disorders.*

MSRA may call upon fellows 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 fellowship should select ‘Yes’.



Question 3.3– NHMRC/Cerebral Palsy Foundation Fellowship

The Cerebral Palsy Foundation (www.cpfoundation.com.au) is offering a new Fellowship in the areas of biomedical, clinical or population health, in partnership with the NHMRC. This Fellowship can be an overseas or Australian fellowship. The Foundation (www.cpfoundation.com.au) offers a range of grants to support cerebral palsy research and more information can be gained about the Foundation’s research priorities on their website. The successful applicants will have a commitment to, and a track record in, research on cerebral palsy. *In the case of a part-time Health Professional award, the clinical or Health Professional practice component must be related to, or relevant to, cerebral palsy or related conditions.* The CP Foundation may call upon fellows to provide assistance with publicity, education 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. Successful candidates may also have the opportunity to acquire research leadership experience through voluntary involvement in the CP Foundation.

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

Question 4 - Summary of Project

Unlike Qs 19 & 20 (below), this Summary is not assessed, but is to enable the assessors to grasp the main outline of your research project. Please use plain English where possible.

4.1 State the career development of the applicant. This should describe your achievements to date.

4.2 Brief lay description of the project. This must be in a language understandable to a non-scientist.

4.3 Intended future career of the applicant. Please describe your intended career after the completion of the postdoctoral award for which you are seeking funding.

Each field must not exceed 100 words.

Question 8.5 - Date PhD was / will be submitted

The PhD must be submitted by 31 December of the application year otherwise the Offer of Award to successful applicants will be withdrawn

Question 8.6 - Date PhD was awarded

Proof of date of award of PhD must be provided, preferably in the form of a notification letter. The applicant must not have more than 2 years postdoctoral research experience, at 30 June 2006, to be eligible.

Question 11 - Explanation of Circumstances for Requesting a Part-Time Fellowship

This question only applies to Australian Research Training Fellowship (Part-Time) & Health Professional Research Training Fellowship applicants.

When applying for an Australian Research Training Fellowship (Part-time) the applicant should, in response to this question, give full details of the reasons for wanting a part-time fellowship e.g. parenting, illness etc. In the context of this award, it is expected that the proposed postdoctoral research training is the applicant's sole remunerated, professional activity. It is required that the proposed research be of equal merit to that of a full-time award.

In the case of an application for a Health Professional Training Fellowship, applicants must detail the activities to be undertaken in the remainder of their time, explain the relevance of these activities to the research proposal and supply a written undertaking of the availability of an appropriate part-time complementary salaried position for the duration of the award.

Question 13 - Administering Institution

The full name and full postal address of the institution responsible for administering the grant must appear here (eg Medical Team, 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 14 - 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 15 - Summarise Undergraduate Performance

Do not include a full C.V. but do include an academic transcript as an attachment together with a key for the institutional grading system. For the electronic copy the transcript must be scanned. Please provide as much information as possible. For overseas degrees, please refer to page 3 item (iii) of these Instructions.

Question 16 - Additional Biographical Information

This box allows you to provide any additional information you may wish the selection committee to see, not already covered. This could include highlights or prizes from secondary or tertiary training, special awards, lectures, skills, experience etc. that you feel may be relevant to the application. If you have had an extended break from research since your PhD was awarded due to parenting or illness which has affected your publications output, please describe in detail giving relevant dates.

Question 17 - Research Output

The applicant's publications should be listed as:

- i. Refereed journal articles (indicate clearly whether published or in press) **if in press include date accepted**, together with the most recent impact factor for the journal. Also include an estimated range of impact factors generally associated with publications in your area(s) as a guide to the assessment panel. (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). Do not include papers in preparation or submitted.
- ii. Other articles, reports, reviews, book chapters etc.
- iii. Published Abstracts.
- iv. Conference presentations not otherwise mentioned (provide details of presentation, authors, and title of conference)
- v. Patents

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

Example

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

Question 18 - Background, Research Plan and Significance

The proposed research program should not exceed the pages provided in the form, including references (maximum two pages). 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 reference, no titles). Where appropriate, the relevance to Aboriginal and Torres Strait Islander Health must be stated.

Question 19 - Justification of Project and Supervisor in relationship to your fellowship career aims (maximum one page).

Describe the potential of this research training project and choice of supervisor to extend your knowledge and skills.

Describe how the tenure of this training fellowship will contribute to your future career aspirations.

For Health Professional Research Training Fellowship applicants, indicate how the research topic relates to your current and future professional pathway.

Question 20 - Justification of Project in relation to the criteria for health and medical research for Aboriginal and Torres Strait Islanders

This question only applies to Aboriginal and Torres Strait Islander Health Research Fellowship applicants and any applicant proposing research in the area of Aboriginal and Torres Strait Islander health.

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 21 - Reports in Confidence

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

Personal details; name, title, current position

Education: degrees/qualifications, year, institution

Experience: postgraduate professional and research positions held, awards and honours

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

List in chronological order the titles, all authors and complete references to publications (of the supervisor) pertinent to this application.

- ii) referee nominated by the applicant
- iii) independent referee; this referee is to have had no substantive prior contact with the applicant, must be knowledgeable in the field of proposed study and must have had no previous or current collaboration with recent or planned supervisors. This referee is not to 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.

Supervisor and referees should email their report to NHMRC.Referee.CARSS@health.gov.au.

Question 22—Signatures

The application is invalid without the signature of the applicant. Additionally, the application will not be considered without the signatures of the proposed supervisor, Head of Department and head of the Australian 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, 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 23—Socioeconomic Objectives

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 at Appendix A.

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. Relevant SEOs should be selected from the list at **Appendix A** and the descriptor entered in the box provided at Q24.

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 24—Research Classifications

24.1 Broad Research Area:

Select one from the following five broad areas of research activity and enter its descriptor in the box provided at Q24.1.

24.2 Field of Research:

One only to be selected from the list at **Appendix B** and the descriptor for that discipline entered in the box provided at Q24.2.

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:

www.abs.gov.au (search ABS site for '1297.0')

Question 25 - 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 26 – Burden of Disease

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

Question 27 - Consumer and Community Participation

If the research proposal involves consumer and community, then

27.1 Describe how you will ensure that research participants will have access to their own results, and how you will be accountable to participants for the overall results of the research.

27.2 Describe how you will ensure that 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 annual and final reports. This information will contribute to the evaluation and outcomes of research.)

Question 29 - 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 25. **DO NOT EXCEED 20 CHARACTERS, INCLUDING SPACES.** No additional characters will be recorded.

Question 30—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/researchprac.htm>

Question 30.1 – 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 30.2, 30.3 and 30.4.**

Question 30.2 – 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 30.3 – Research using humans – Number of males and females

Please (1) justify the proposed sample size for the study and (2) provide a brief explanation of the ratio of males to if this does not equal one, i.e. there are not equal numbers

Question 30.5 – 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 at **30.6.**

Question 30.7 – 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 31.1 – 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 31.2, 31.3, 31.4, 31.5, 31.6 and 31.7.**

Question 31.2 – 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 31.3 – 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”.

The Institutional Ethics Forms are given at Attachments 1 and 2.

ATTACHMENT 1—INSTITUTIONAL APPROVAL FORM FOR EXPERIMENTS ON HUMANS

ATTACHMENT 2—INSTITUTIONAL APPROVAL FORM FOR EXPERIMENTS ON ANIMALS

Note: *These are for use at your institution and it is not necessary for clearances already obtained to be attached to the application.*

It is not necessary to have secured clearances at time of application, but no payment will be made until evidence that the appropriate clearances have been granted is given to the Secretary of the Training Awards Committee.

Question 32.1 – 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 31.1, 31.2 and 31.3.

Question 32.2 – 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 32.4 – 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 31.4, 31.10 and 31.11.

Attachment 3—Applicant’s Personal Information

Please attach ONE copy only of these details to the ORIGINAL application form.

SOCIO-ECONOMIC OBJECTIVE (SEO)**(Do not use Headings)****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

Appendix A

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 (Do not use Headings)

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 not
elsewhere classified

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
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/ALTERNATIVE 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