

INSTRUCTIONBOOKLET  
for  
NHMRC  
Training Scholarships for Indigenous  
Health Research  
in 2007

Closing date 04 August 2006  
For Funding commencing 2007

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

*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 9131

*Courier Address:*

The Secretary  
NHMRC Training Awards Committee  
c/- Department of Health and Aged Care  
Level 5, 20 Allara St  
CANBERRA ACT 2606  
Ph INT + 61 2 6289 9115

## TRAINING SCHOLARSHIP FOR INDIGENOUS HEALTH RESEARCH— EXPLANATORY NOTES AND 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

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

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 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:	For Attention: Director, Collaborations and Researcher Support Section, Centre for Research Management & Policy, NHMRC, MDP 33, Level 5, 20 Allara St CANBERRA ACT; 2601
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or

By email to - [training.awards@health.gov.au](mailto: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 residency status, where applicable.
- iii. certification of medical/dental/allied health professional registration in Australia, where appropriate.
- iv. an academic transcript (**to be attached at end of application**) (**must be scanned for electronic submission**). 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.

### ***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:

- vi. the supervisor at the proposed institution;

- vii. 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.)

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 APPLICATION***

**Question 1—Requested Scholarship Tenure**

Indicate in the box to show whether you wish to apply for support for 1, 2 or 3 years.

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. (Please note that renewal for second or third year will depend on application for renewal and satisfactory reports on progress with your institution to advise NHMRC of renewal. This advice is to be received by 3 October in the preceding year).

**Question 4—Citizenship**

Those eligible to apply are Australian citizens or citizens with permanent Australian resident status and are currently residing in Australia. Applicants are to provide evidence of Australian Permanent Resident status or Australian citizenship.

**Question 5—Current Employment Position**

*i) Employed.* If you are employed at present, give the date on which you commenced your present employment in the "Date of Appointment" box. Give your job or work title or description in the "Current Position" box. In addition, give the details of the organisation or business name of your present employer.

*iii) Student.* If you are studying at present, either full time or part-time, give the name of the organisation or institution that runs the course (e.g. the name of the university or college or health service). Also give the name of the course, and whether full time or part-time, and the date you commenced study.

**Question 6—Location of Proposed Study / Research Training**

Name the place (organisation, department, and location) where you will carry out your research training.

**Question 7—Name of Supervisor, Advisor or Mentor**

Provide the name of the person who will be your supervisor, advisor or mentor during the training.

**Question 8—Title of Proposed Study/Research Training**

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

**Question 9—Higher Degree or Training Course Proposed**

- (i) Name the qualification (e.g. M.P.H) that you will obtain at the completion of your research training.

**Question 10—Administering Institution**

The administering institution or organisation which administers the scholarship stipend; in most instances it would also be the academic institution that would provide supervision and research training (i.e. the employer of your supervisor, advisor or mentor). There can be only be one administering institution for each award.

Please complete box as shown in example (e.g., Royal Prince Alfred Hospital, Missenden Road, Camperdown NSW 2030).

**Question 11—Career, Work and Training History**

Please provide a summary of complete career chronology from beginning of secondary school 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 11(iv)—Achievements During Training**

Please provide an academic transcript and guide to grading system used, as an attachment at the end of the application. This also needs to be scanned for the electronic version.

**Question 11(v)—Overseas Qualifications**

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—Health Training or Postgraduate Clinical Qualifications or Training**

Give details of health training (e.g. Indigenous Health Worker Training) or postgraduate clinical training.

**Question 13—Research Experience**

Give details of research experience or training.

**Question 14—Prior Experience Relevant to Indigenous Health**

Give details of any prior experience relevant to Indigenous Health and to your training program.

### Question 15—Research Output

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

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, 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 Scholarship. J Appl Sci 10: 1-15 (1995)

### Question 16—Outline of Proposed Training and Significance

Give details of your training program, including the research component as well as any additional course work that might be required.

The proposed research program should not exceed the two pages provided in the form, including references. 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) and state its relevance to Indigenous Australian Health.

### **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.

**Question 17—Reports in Confidence**

Supervisor (or Advisor or Mentor) for Project: The supervisor is to provide 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 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.***

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

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](mailto: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 20—Socio-Economic Objectives

**Appendix A** presents a comprehensive list of Socio-Economic 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 Socio-Economic 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 21—Research Classifications

### Broad Research Area:

Select one from the following five broad areas of research activity and enter the descriptor in the box provided at Q21.

#### Broad Research Area

#### Broad Research Area

Basic Science

Health Services Research

Clinical Medicine and Science

Public Health

Preventive Medicine

### 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 Q21.

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')

You should select the 'statistics' icon and then select the Classification via the *ABS Papers and Classifications*.

## Question 22 - 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](http://www.dest.gov.au/sectors/research_sector/policies_issues_reviews/key_issues/national_research_priorities/default.htm)

Please note that, while the application is not required to address a priority area, information regarding which priority area(s) this research proposal may address will assist the NHMRC to capture appropriate data for reporting purposes.

## Question 23 – 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 24 - 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 25—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 20. **DO NOT EXCEED 20 CHARACTERS, INCLUDING SPACES.** No additional characters will be recorded.

### Question 26—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 26.1 – 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 26.2 – 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 26.3 – 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 26.4 – 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 26.5 – 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 26.6 – 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 26.7 – 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 26.8 – 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 26.9 – 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 26.10 – 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. Please see Attachment A.

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 26.11 – 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 26.10.

**Question 26.12 – 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 form.

**SOCIO-ECONOMIC OBJECTIVE (SEO)****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

**Appendix A**

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 not  
elsewhere classified

### **NEUROSCIENCES**

## Appendix B

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/ALTER NATIVE 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