

National Health and Medical Research Council
GPO Box 9848, Canberra ACT 2601 <http://www.nhmrc.gov.au>

INSTRUCTION BOOKLET
for
**Howard Florey Centenary Research
Fellowship**
for funding commencing 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 9131

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 01 July 2005

PURPOSE

The purpose of the Fellowship is to provide a vehicle for Australian researchers working overseas to return to Australia and continue with a biomedical / clinical / public health related research career.

ELIGIBILITY

Applicants would usually have between two (2) to five (5) years postdoctoral experience. Potential applicants with less than 2 years postdoctoral experience at the time of application should apply for an Australian-based Fellowship.

To be eligible to apply, candidates must at the time of application:

- (i) hold a doctorate in a health related field of research;
- (ii) be more than two years postdoctoral at the time of application,
- (iii) be actively engaged in such research overseas, either full or part time;
- (iv) be Australian citizens, or be graduates from overseas with permanent Australian resident status, not under bond to any foreign government;
- (v) must not have been a recipient of an NHMRC Overseas Training Fellowship;
- (vi) provide a specific study plan within a clearly defined area of research; and
- (vii) have an agreement with an Australian institution to carry out the study.

MATERIAL TO BE SUBMITTED

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

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.

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,
 Centre for Research Management and Policy,
 Collaborations and Researcher Support Section,
 NHMRC, MDP 33, Level 5, 20 Allara St,
 CANBERRA ACT; 2601

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, 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 that was awarded a PhD prior to 30 June 2001, who does not seek prior approval from the Training Awards Committee will be ruled ineligible.

An applicant for a Fellowship is also required to submit the original signed, typewritten, single-sided application. Each is to incorporate:

- i. the application form;
 - ◆ all details are 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 (e.g. 1 Jan 1996),
 - ◆ application I.D number to be provided by the administering institution prior to submission
- ii. evidence of Australian residency status, where applicable.

Additional information or attachments will not be considered.

The applicant is responsible for providing a full copy of the completed application, and should advise how to access the relevant 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.

Note : Of particular importance is the statement from the proposed head of the Australian Institution agreeing to host the fellow, without which the application will be deemed ineligible.

To assist applicants the rating criteria used by assessors is given at page 11 of the Combined Scoring Matrix.

Salary Packages

Fellowship salary packages at the Training Support Package level 2 (currently at \$73,750) and if appropriate, clinical loadings will be paid as detailed in the relevant NHMRC Conditions of Award. 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.

THE APPLICATION

Summary of Project

4.1 Unlike Qs 17 & 18 (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, and state the career development of the applicant, brief description of the project (this must be in a language understandable to a non-scientist) and the intended future career of the applicant. Each field must not exceed 100 words.

Question 6—Current Institutional Address

Must be outside Australia on the closing date of this Fellowship.

Question 10—Administering Institution

The full name and full postal address of the institution responsible for administering the grant must appear here (eg 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 12— Date PhD was awarded

Month and year.

Question 13—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 14—Summarise Tertiary Qualifications and Any Further Professional Training, If Relevant.

Do not include a full C.V. However, please provide as much information as possible. A transcript of your undergraduate study is not required for this Fellowship.

Question 15(a)—Synopsis of Research Experience and Activity

This should outline your previous research activities including details of research areas and techniques with an emphasis on the development of your research career.

Question 15(b)—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 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. Use any format within the space provided.

Question 16— Research Output

The applicant's publications should be listed as:

- i. Refereed journal articles (whether published, in press or submitted) **if in press include date accepted** together with the most recent impact factor for the journal. Also include range of impact factors. (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).
- ii. Other articles, reports, reviews, book chapters etc.
- ii. Published Abstracts.
- iii. Conferences and presentations not otherwise mentioned (provide details of presentation, authors, and title of conference)

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)

v Patents;

Provide details of any current patents which you or others hold in Australia and overseas which arise directly from research you have undertaken with NHMRC grant funding in the last 10 years, For each patent list the following information:

- Country of patent
- Patent number
- Year taken out
- Name in which the Patent is registered (institution or individual)
- Description of Patent (brief title only)

The NHMRC may use this information in the identified form for statistical purposes.

Question 17(a)—Justification of Project and Sponsor

Describe the potential of this research and choice of sponsor to extend your knowledge and skills.

Question 18—Background, Research Plan and Significance

The proposed research program should not exceed the two (2) 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 reference only, no titles).

Question 19—Reports in Confidence

- i) Proposed Sponsor: The sponsor is to comment on ability, academic performance, suitability of the work proposed and benefits to the group/institution. This referee is to provide with their report a 2 page CV incorporating the following:

Page 1: 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

Page 2: list in chronological order the titles, all authors and complete references to publications (of the supervisor) pertinent to this application.

- ii) Two nominated referees: one of whom should be well acquainted with the applicant's work and able to comment on the proposed project and the applicant's ability to undertake the work using the skills brought back to Australia by the applicant. The other should be an independent referee, from a different institution and familiar with the applicant's field of research. This independent referee is not to have previous or current collaborations with the applicant's recent or future supervisors, and is to have had no contact with the applicant. 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.

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

Question 20—Signatures

The application is invalid without the signature of the applicant. Additionally, the application will not be considered without the signatures of the Sponsor, Head of the Australian host 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 21—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 or on the Internet at:

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

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 Q21.

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 the descriptor in the box provided at Q22.

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 Q22.

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 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 27 – 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 28—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 28.1 – 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, 26.8 and 26.9**.

Question 28.2 – 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 28.3 – 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 28.4 – 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 26.10 and 26.11.

Question 28.5 – 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 26.4, 26.10 and 26.11.

Question 28.6 – 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 28.7 – 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 26.4, 26.10 and 26.11.

Question 28.8 – 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 this criteria. The additional pages must be clearly labelled and attached at the end of the application.

Question 28.9 – 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 28.10 – 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 28.11 – 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.

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
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/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