

**FELLOWSHIP TRAINING PROGRAM
IN
PEDIATRIC CARDIOLOGY**

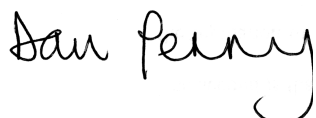


**At
The Department of Cardiology
ROYAL CHILDREN'S HOSPITAL
MELBOURNE, AUSTRALIA**

Welcome to the Fellowship Information Booklet For Prospective Cardiology Fellows at The Royal Children's Hospital, Melbourne Australia. We are extremely proud of our Fellowship Program, which has included fellows from all corners of the world. Many of our alumni are now in senior positions in cardiology throughout the world; most continue to keep in touch with us and remember their time at Royal Children's with fondness.

We are proud that The Royal Children's Hospital is one of the great Children's Hospitals of the world. We value its standards of care and its multicultural staff. Melbourne is a wonderful city in which to live, it is great for families and is considered by many to be one of the world's most liveable cities. I'm sure that if you come here, you will soon come to agree with this impression.

We hope that you will find this booklet useful as you decide about where you might spend this most important next step of your career.

A handwritten signature in black ink that reads "Ian Penny". The signature is written in a cursive style with a large initial "I" and a long, sweeping underline.

Director of Cardiology

Please Note. Whilst great care has been taken to ensure the accuracy of this information, we stress that this booklet is to be used as a guide only and the appropriate people must be contacted for more information. In particular, we advise prospective fellows to contact their nearest Australian Embassy and then, The Department of Immigration and Multicultural Affairs when in Australia. Fellows are also advised to seek independent financial advice and advice concerning personal health cover before departing their home country. The links to external websites should not be considered to represent a relationship between the host site and The Royal Children's Hospital. This booklet does not constitute an offer of fellowship at Royal Children's and does not form any part of a contract between The Fellow and The Hospital.

CONTENTS

Royal Childrens Hospital	Page 5
Melbourne	Page 5
The Departments of Cardiology and Cardiac Surgery	Page 6
Cardiology Fellowships	Page 7
Clinical Attachments	Page 8
Visas, Medical Registration, English Language Testing and Police Checks	Page 12
Health Insurance / Medicare	Page 14
Accommodation	Page 15
Schools	Page 16
Childcare and Families	Page 16
The Fellows Association	Page 17
Once You Arrive	Page 18
Our Cardiologists	Page 20
Our Alumni	Page 23

The Royal Childrens Hospital



The Royal Children's Hospital is a specialist paediatric hospital and provides a full range of clinical services, tertiary care and health promotion and prevention programs for children and adolescents. Patients are referred to the Royal Children's Hospital from all over Australia and the Asia-Pacific rim countries.

As the major paediatric hospital in Victoria, the Royal Children's Hospital provides clinical, academic and advocacy services for children and young people throughout the state. It is internationally recognised as a leading centre for research and education.

In its role as a leading paediatric teaching centre, the hospital has affiliations with the University of Melbourne and LaTrobe University and links with other universities in post graduate studies. The Royal Children's Hospital has a strong commitment to research. The Murdoch Children's Research Institute is based at the Royal Children's Hospital providing bench to bedside research within our site.

The hospital was established in 1870 and has been located on its present site at

Parkville in Melbourne, Australia since 1963. It has 311 beds, and treats approximately 25,000 in-patients each year. A total of 280,000 children are treated by the hospital annually.

For Further Information GOTO:-

<http://www.rch.org.au>

<http://murdoch.rch.unimelb.edu.au>

Melbourne



Melbourne, the capital city of the state of Victoria is set around the shores of Port Phillip Bay. The city itself, laid out in a large rectangle and boasting a lively and cosmopolitan pulse, sits on the northern banks of the Yarra River, about 5Km from the bay. It is regularly listed as one of the world's 'most liveable cities'. The city has a cosmopolitan population of 3.4 million. It is a wonderful city for families, with many museums, attractions and more than 480 hectares of parklands within walking distance of the city centre.

Melbourne is a well-developed arts and cultural centre, regularly hosting some of the great orchestras and performers from

around the world. It hosts a number of spectacular sporting events, including The Australian Tennis Open, The Australian Grand Prix and The Australian Golf Masters. In 2006, it will be the home of The Commonwealth Games.

Melbourne is on a similar latitude in the southern hemisphere to Lisbon, Athens or San Francisco in the northern hemisphere. It is rarely unbearably cold or unbearably hot although temperature extremes do occur from time to time with the upper realms of the thermometer causing more problems than the lower. Average summer temperatures range between 23 and 30 degrees centigrade. It is a great place to watch the seasons change as they are clearly defined and highly visual with the parks in autumn and spring giving a spectacular natural display. Winters are mild with an average temperature ranging between 6 and 13 degrees centigrade.

For Further Information, please go to:-

<http://www.visitvictoria.com.au>

<http://www.thatsmelbourne.com.au>

<http://www.melbourne.vic.gov.au>

The Departments of Cardiology and Cardiac Surgery



The Departments of Cardiology and Cardiac surgery, provide a service for the states of Victoria and Tasmania and the southern part of New South Wales. In addition they provide a tertiary referral service for patients with complex congenital heart disease and for infant cardiac surgery for the states of South Australia and Western Australia and also for the Northern Territory. The Department also caters for a number of overseas patients from south east Asia.

The Departments of Cardiology and Cardiac Surgery enjoy an exceptionally cooperative and constructive working relationship. Joint efforts are an integral part of patient care, teaching, and research. Several weekly combined conferences are held.

The surgical department carries out somewhere in excess of six hundred surgical procedures per year. The surgical practice encompasses the full range of palliative and reconstructive procedures,

including heart and heart/lung transplants.

The cardiology department has eight staff cardiologists, two of whom also work at Monash Medical Centre, where a smaller paediatric cardiology service operates on a predominantly outpatient basis. The department runs approximately 20 outpatient clinics per week in Melbourne, and peripheral clinics in referral centres in Victoria, Tasmania and Southern New South Wales.

Approximately 9,000 echocardiograms are carried out annually, including transoesophageal studies. Approximately 500 cardiac catheter procedures are performed each year, including a wide range of interventional procedures. A comprehensive arrhythmia investigation and treatment service, includes Holter monitoring, exercise testing, electrophysiology studies and Radiofrequency ablation, for the elimination of arrhythmias.

For Further Information GOTO:-

<http://www.rch.org.au/Cardiology/website>

http://www.rch.org.au/cardiac_surg

Cardiology Fellowships



We usually have approximately 8 clinical fellows in the Cardiology Department at any time. Unfortunately, because of funding limitations, many of our Fellows are self-funded.

Four funded fellowships are provided each year. One of these is a shared fellowship between Royal Children's Hospital and Monash Medical Centre, which is another university hospital in the South Eastern suburb of Clayton.

It is important to emphasise that most fellows partake in all aspects of clinical paediatric cardiology and in the on-call roster. Specialised fellowships are sometimes offered but these must be negotiated before you arrive.

It is also important to emphasise that as self-funded fellows are usually incorporated into the clinical aspects of The Department to the same extent as the hospital-funded fellows, we expect that all fellows have the same responsibilities to The Department with respect to leave-planning etc.

We have developed a comprehensive three year training program, which will provide complete training for prospective paediatric cardiologists. In practice many Fellows spend only a year or two at Royal Children's. These Fellows will be incorporated into The Fellowship program, according to their level of experience and training priorities. Typically, a 1 year schedule would include rotations in the following areas:-

Year 1 Fellow

- 1-2 Months diagnostic cath.
- 2 Months outpatients
- 2 Months ward
- 2 Months inpatient consults
- 2 Months Electrophysiology
- 1 Month Research

Year 2 Fellow

- 3-4 months diagnostic cath.
- 1 Month outpatient
- 1 Month ward
- 1 Month inpatient consults
- 1 Month Electrophysiology
- 3 Months Intensive Care
- 1 Month Research

Year 3 Fellow

- 3-4 months therapeutic cath.
- 1 Month outpatient
- 1 Month ward
- 1 Month inpatient consults
- 1 Month Electrophysiology
- 3 Months Intensive Care
- 1 Month Research

Please note, that while we have divided the programs into Year 1, 2 and 3, we regularly have very experienced fellows in the Year 1 program, if that rotation best suits their educational aims.

Clinical Attachments



Each Fellow is assigned for a period of 1-month to one of the following clinical attachments. An individual fellow is likely to spend more than 1 attachment in some areas.

Ward Fellow

The ward fellow is the 'senior registrar' for cardiology and cardiac surgery inpatients (approximately 30 patients at any one time). He/she will work with and supervise the two residents and 1 registrar who are attached to the cardiology/cardiac surgery services, in collaboration with the cardiac surgical ward fellow. He/she performs the echocardiograms on cardiac inpatients and on new admissions. He/she will be supervised by the on-service consultant cardiologist

Consult Fellow

The Department provides an important consultation service for other units within the hospital. Approximately 4-8 consults are requested per day, most commonly from the intensive care, neonatal, emergency, oncology services. The Fellow will organise the diagnostic workup of these patients and discuss them with the on-service consultant. This Fellow also performs intra-operative transoesophageal echocardiograms under the supervision of one of the consultant cardiologists.



Catheterisation Fellow

There are 7 half-day catheterisation lists per week, with 2 patients undergoing catheterisation on most lists. Approximately half of our cardiac catheterisation procedures are therapeutic. We perform an extensive range of therapeutic procedures including valvuloplasty (pulmonary and aortic), balloon dilatation of coarctation (both native and recurrent), device/coil closure of P.D.A., A.S.D., V.S.D and stent implantation.



Two fellows are attached to the cardiac catheterisation laboratory at any one time. The cath. fellows are responsible for the diagnostic work-up and preparation of their patients and assist. These data are presented before the procedure at our cardiac catheterisation meeting. The fellow will then assist the consultant cardiologist in performing the procedure. After the procedure, the fellow presents the patient's history and findings at the combined cardiology-cardiac surgery case-conference. These joint conferences involve the presence of several of the surgical and cardiological team and numerous cardiac surgical and cardiology fellows and other staff with a lively discussion concerning many management issues and abundant feedback to the cardiology fellows - particularly if their presentations do not meet up to the appropriate standard !

Outpatient Clinic Fellow

The outpatient Fellow attends the public, departmental outpatient clinics, where

he/she assists the consultants with seeing and assessing new patients, formulating treatment plans and reviewing old patients in the outpatient setting.



Electrophysiology Fellow

The E.P. fellow is responsible for supervising treadmill exercise tests, and providing preliminary reports thereof, and for assisting with ECG and Holter tape analysis. Most fellows would take responsibility for 20-30 exercise test in a year. They also provide provisional reports on routine ECGs which have been performed on patients who they are dealing with as inpatients or as outpatients. During the electrophysiology attachment, the fellow may also observe the invasive electrophysiology studies, undertaken by Dr Davis at Monash Medical centre

Intensive Care

We believe that some experience in intensive care is an important part of the training for all cardiologists. For this reason, many of our Fellows are seconded to the Intensive Care Unit, where they work for a period of 3 months. During this period, they have special responsibility for the cardiac patients, provide specialist input into the cardiovascular aspects of the non-cardiac patients, while obtaining expertise in the general aspects of critical care.



fellow to discuss their interest in research as soon as possible after arriving in Melbourne.

Research.

We consider that experience in research is an essential component of fellowship training in cardiology. Thus, in addition to their patient care responsibilities, fellows are expected to become involved in a clinical research project under the guidance of one of the consultant staff. Many of our Fellows have presented abstracts based on their research project at national and international meetings and successfully published in peer-review journals. Such projects, either new or ongoing, may form the basis for a future prospective study for those fellows interested in research and who may be interested in a higher research degree. Fellows should make an appointment with A/Prof. Joe Smolich, principal research

Visas, Medical Registration, English Language Testing and Police Checks.

Once it appears likely that you may join our program it is vital that you devote considerable effort to satisfy the administrative requirements with respect to visa and medical registration as a medical practitioner. Even if a prospective Fellow achieves the required standard for English language testing at the first attempt, the subsequent administrative steps will take at least 6 months and usually longer.

It is important to contact The Junior Medical Staff Department early in the negotiations in order to guide you through the process. Ms Lynne Hyett is the contact person and is extremely helpful. Her email address is:-

Lynne.hyett@rch.org.au

The general principle which we would emphasise is to work through the process as advised by Lynne and respond to each request as quickly as possible. It is our experience that prospective Fellows who try to control the process themselves usually end up taking longer!

While more detailed information and guidance will be provided by Lynne, the following general information outlines some of the principles.

1) English Language Testing

Clear communication is not only vital for patient safety and the highest standard in professional medical care, but is also important if your training goals are to be achieved. International Medical Graduates (IMG) who are appointed to Clinical posts at RCH are required to take an English language test (preferably IELTS) and achieve all band scores ≥ 7 . If you are from a country where English is the native language, you will be exempt from testing if you provide copies of your secondary education certificates. Please note test results are only valid for two years from test date. English language testing can take considerable time and we would advise prospective Fellows to make arrangements for this as soon as practicable.

2) Medical Registration Application

Before we can start the visa process, we need to get approval from the Medical Practitioners Board of Victoria. A Certificate of Good Standing from your current Medical Council/Board which states you have no legal action against you will need to accompany the application form. You also need to provide evidence of Internship which is the first year you practised medicine after completing your degree. A letter from the hospital where you worked for this period will suffice if you do not have a certificate.

3) Visa information

Once we have Medical Registration approval for you, Lynne will apply to DIMIA (Department of Immigration & Indigenous Affairs) for your Visa.

4) Health Check

You will need to arrange a health check, which includes a medical and radiological examination, and tests for HIV/AIDS, Hepatitis B and Hepatitis C. You will also be advised what checks are required for the family members included in your visa application. For a list of the doctors who provide these checks, see www.immi.gov.au/allforms/doctors/index.htm The doctor will forward the results directly to Australia. They are not allowed to give you the results.

5)Penal Clearance (Police Clearance/ Criminal Records Check)

You are also required to apply for a Penal Clearance (Criminal record Check/Police Clearance certificate).

It is important to note that you provide a current penal clearance from where you have resided over the past 5 years. **This is not a visa requirement, it is a RCH requirement.** If you need to obtain more than one certificate, please ensure you do as the visa application will not be submitted without these.

For Further Information GOTO:-

<http://www.ielts.org>

www.immi.gov.au/allforms

Health Insurance / Medicare



It is vital that prospective Fellows seek advice on health insurance before leaving their home country; in some circumstances, you may be covered from your home country. Citizens of Australia and New Zealand are entitled to free or subsidised medical treatment under the Medicare scheme. Many Australians, however, opt to join private health care insurance schemes such as Medibank Private, HBA etc. Citizens of the UK, The Netherlands, Finland, Malta, Italy, and the Republic of Ireland are, under Reciprocal Health Care Agreements, entitled to emergency medical insurance cover only in Australia. This does not cover pre-existing medical conditions. Because of this, many visitors from these countries take out additional insurance. Residents of all other overseas countries need to take out private health insurance. Please also note that usually, insurance for ambulance travel and dental treatment are treated separately from general

medical insurance. For any kind of health insurance cover, you need to enroll in

person at the nearest office and show either your passport and/or your country's health care scheme card (e.g. The UK's National Health Card) as proof of identity.

As soon as you lodge your application for Medicare health insurance cover, you are covered. You are issued with a temporary Medicare card which is valid until your plastic medicare card arrives. Keep these on you at all times. You will need it every time you visit a doctor or hospital. The number at the top of the card is your Medicare number.

For further information click here:

<http://www.hic.gov.au>

<http://www.medibank.com.au>

<http://www.hba.com.au>

Accommodation

Unfortunately, The Royal Childrens Hospital does not have adequate accommodation for our Fellows. However, it is important to emphasise that one of the main aims of The Fellows Association has been to help new Fellows find accommodation. Accommodation can be split roughly into two categories, short and long term. Short term accommodation includes hotels, motels, hostels, guest houses and serviced apartments. Unless you are really lucky, you will have to stay in short-term accommodation for at least a few days while you sort out longer-term accommodation. If you are not staying long (a few months), serviced apartments are worth considering. The website of The Fellows Association provides excellent links to Below short and long term accommodation.

GO TO:-

<http://www.geocities.com/neocentromere/Fellows/FAWCHframes.html>

Schools



In Australia, it is compulsory for children to attend school between the ages of 6 years and 15 years. There are 2 types of schools, government and private. There are fees attached to both schools, however government school fees are much lower than private school fees. There are two levels of education which most children undertake. The first is referred to as Primary Education which children between the age of 5 and 12 attend. They then transfer to Secondary Education between the ages of 13 and 18 years. Australia has an excellent educational system. There are a number of excellent primary and secondary schools within a short distance of The Royal Childrens Hospital. Because of the large expatriot community, it is not unusual for a school to have a number of children who are spending only a part of their education within them. As a result of the multicultural nature of Melbourne's society, many schools cater for a wide cultural base. In addition, to the general school system. Most schools, in addition to the Australian curriculum, provide

optional elective courses in a number of languages.

Rarely, some families prefer to send their children to international schools (e.g.french) or schools specifically directed to their culture and religion. Thus, a number of islamic schools, in addition to the Australian curriculum, teach the arabic language and islamic values.

Childcare and Families

The Royal Children's Hospital has a Childcare Centre which is registered for children between the ages of 6 weeks and 5 years. Places are limited to 68 children.

The City of Melbourne also offers a variety of resources and support for families and young children, including:

- Child and Maternal Health Support
- Children's Resource Centre
- Holiday Programs
- Multicultural Support Groups
- Baby Capsule Hire
- Family and Parenting Support
- Play Groups

For Further Information GOTO:-

<http://www.eduweb.vic.gov.au/schoolsonline/>

<http://www.melbourne.vic.gov.au/index.cfm?categoryid=1&contentfile=topic.cfm>

<http://www.vicnet.net.au/family/>

www.isd.com.au

The Fellows Association (FAWCH)



The Fellows Association of Women's and Childrens Hospitals was formed in December 1999, and now represents approximately 230 people employed as fellows, or in similar positions across Women's and Children's Health (WCH), the Murdoch Children's Research Institute (MCRI) and Monash Medical Centre (MMC). The association is run by, and for, its members. About half of the FAWCH members are from overseas.

Current membership includes Medical fellows at the Royal Children's Hospital, the Royal Women's Hospital and Monash Medical Centre, all non-medical post-docs working at the above hospitals, and at the Murdoch Children's Research Institute.

Membership also includes registrars who are in their second or third year of advanced training, as well as Consultants from overseas on sabbatical. There are also a number of Advanced trainees in Nursing and Allied Health - both overseas and local, as well as Overseas PhD students.

New members are always welcome, and are invited to get involved with FAWCH events and activities.

The purposes of The Association are to:-

Provide peer support and social support for staff from interstate and overseas. We hold regular social events to welcome new members.

Ensure adequate orientation to the new fellow's institution (WCH, MCRI, MMC), and to Melbourne in general.

Improve local / international links.

Provide political representation for fellows, including looking at pay, work conditions and benefits.

Providing educational opportunities for fellows: medical, international / cross-cultural, and business.

The Association has an excellent website.

GOTO:-

<http://www.geocities.com/neocentromere/Fellows/FAWCHframes.html>

Once you arrive.

Please come to The Hospital to meet Professor Penny and Lynne Hyett, as soon as possible after your arrival. You will be provided with a 'welcome pack' which contains useful practical guidelines related to your work at Royal Children's.

There will also be a number of administrative tasks which you may need to complete:

1) Tax File Number

You will need a Tax File number while you are working in Australia if you will be receiving a salary from RCH. The Australian Tax year commences on July 1 each year and finishes on June 30 the following year. You must complete a tax form for any earnings while you are in Australia and submit it to the tax office. To assist you in completing the form you should contact a taxation accountant. There are many independent accountants in Melbourne and these can be located in the Yellow Pages directory.

If you choose to apply for your tax file number when you arrive in Melbourne you can attend the tax office in person at:

Casselden Place
2 Lonsdale Street
Melbourne 3000
Telephone: (03) 9285 1380

2) Medical Board of Victoria

Make an appointment to present your documents to the Medical Board of

Victoria by phoning +613 9655 0500. You will be presented with your registration certificate once you have presented these papers. RCH will require a copy of your Medical Registration certificate before you commence work.

These are the documents you need to present:

- Original medical degree certificates or notarised copies – in English
- Certificate of good standing from the last Medical Registration Authority for which you worked, dated within the last three months;
- Evidence of satisfactory completion of first year internship. (Note: Evidence of Registration with your current Medical Registration Authority is not evidence of satisfactory internship)
- Evidence of Identity
- Visa
- One passport size photograph

3) Department of Immigration and Multicultural Affairs

You need to take your passport to the Melbourne DIMIA office (which is also at Casselden Place) and have it stamped. DIMIA allow you 4 weeks to do this once you arrive in Australia, however RCH require a copy of your passport with the visa before you commence work, so do this at the same time as you are organising your tax file number.

4) Bank Account

If you haven't already opened a bank account, you need to do so prior to commencing at RCH as your salary will be directly transferred into an account. This can be done at any of the major banks in Australia such as the Commonwealth, the National Australia, the ANZ, Westpac to name a few.

5) Drivers License

While you are at RCH, you may decide to purchase or hire a car. If you have a driver's licence from another country, in English or with an official translation, you are permitted to drive for an indefinite period. Whilst it is not necessary for you to take a licence test while you hold a temporary visa, it is important that you learn the Victorian road rules. It is advisable to purchase a copy of "Driving in Victoria – Rules & Responsibilities". This is available from the Vicroads bookshop for \$14.00 per copy. The bookshop contact number is 9854 2782 or you may view it on the website at www.bookshop@roads.vic.gov.au The book is very easy to understand and has good diagrams, explaining the Victorian road rules. To obtain further licensing information contact the Vicroads website on www.vicroads.vic.gov.au or phone 13 1171

6) Emergency Services

While you are in Melbourne, it is important that you understand how to

obtain help in an Emergency. You need to telephone **000** for the following services:

- Police
- Fire Brigade
- Ambulance

Calls to **000** are free. You will be asked to provide your name, address and telephone number and the type of service you need.

Ambulance transport is very expensive, so it is important to ensure you consider subscribing to ambulance cover. A short trip (10 minutes) to hospital in an ambulance can cost in excess of \$500. To insure your family for ambulance cover contact the Ambulance Membership line on 1800 648 484 or the visit the website

www.ambulance-vic.com.au/membership/join_now.asp

Our Cardiologists.

Prof. Daniel Penny

Director of Cardiology

Dan Penny is originally from Ireland, where he received his undergraduate education. He trained in paediatric cardiology at The Royal Brompton Hospital, London and then as a fellow at Royal Childrens Hospital. He has previously held consultant appointments at The Royal Brompton Hospital and at Great Ormond Street Hospital, London.

His clinical and research interests relate to critical care cardiology and intensive care of the cardiac patient.

Prof. James Wilkinson

Senior Cardiologist

Jim Wilkinson, a former director of The Department obtained his undergraduate training in The UK and his postgraduate training in Birmingham Children's Hospital and The Royal Liverpool Children's Hospital, UK. He was the Director of the Regional Paediatric Cardiac Unit in Liverpool, until 1988 when he joined The Royal Children's Hospital as Director of Cardiology.

His clinical and research interests relate to cardiac anatomy and interventional cardiology.

A/Prof. Robert Weintraub

Consultant Cardiologist

Rob Weintraub graduated from medical school at The University of Sydney. After training in paediatrics at The Prince of Wales Hospital in Sydney he came to Royal Children's Hospital to work as a cardiology fellow in 1986. In 1989 he went to Harefield Hospital in The United Kingdom, where he worked as a consultant paediatric cardiologist. From 1990 to 1992 he was a research fellow at UCSD Medical Centre, San Diego, California.

In 1992 he returned to Royal Childrens Hospital as a consultant paediatric cardiologist and as director of the cardiomyopathy and transplant program.

His research interests are in cardiomyopathy, transplantation medicine and pulmonary hypertension.

Dr Andrew Davis

Lead Cardiologist-Electrophysiology

Andrew Davis was born in Melbourne and trained in paediatric cardiology at the Royal Children's Hospital Melbourne and then at The Hospital for Sick Children in Toronto. He did further training in paediatric electrophysiology in Toronto and subsequently at the Children's Hospital Boston. Dr Davis returned to RCH in 1996 and is currently lead clinician for the arrhythmia service.

His research interest is non-invasive assessment of arrhythmia propensity. Whilst overseas he completed his doctorate on "The paediatric signal-averaged ECG". Clinical interests encompass all aspect of paediatric electrophysiology including syncope, long QT syndrome, ventricular arrhythmias clinician for the arrhythmia service. and radiofrequency ablation of arrhythmia substrate in children.

A.Prof Samuel Menahem

Consultant Paediatric Cardiologist

Sam Menahem trained in paediatric cardiology at Royal Children's under Dr Alex Venables. He completed his MD in the Department having done the earlier work on growth of infants and children with VSDs. He has continued his role as a general paediatric cardiologist. He has visited and worked in various centres in the U.K. and North America. In recent times he has concentrated on the therapeutic effectiveness of counselling of parents of infants and children with serious heart disease, extending this now to the prenatal diagnosis, and reviewing the impact of such heart disease on the child, adolescent and affected families. He remains actively involved in teaching and mentoring of the Fellows helping in their clinical research. He is the Director of the Paediatric Cardiology Unit at Monash Medical Centre.

Dr Geoffrey Lane

Interventional Cardiologist. Clinical leader in Cardiac Catheterisation and Intervention.

Geoff Lane originates from Queensland, where he graduated as a pharmacist. He subsequently did medical training in Sydney where he developed his interest in Paediatric Cardiology.

After a period as a Fellow at Westmead Children's Hospital he went to San Diego, California to continue his training. After three years there he moved to Cleveland to acquire special training in Interventional Paediatric Cardiology.

In 2002 he was appointed as a consultant at the Royal Children's Hospital – a position that he took up in early 2003.

He is the clinical leader in cardiac catheterisation and interventional paediatric cardiology, which are his main areas of special interest.

Dr Michael Cheung

Consultant Paediatric Cardiologist. Clinical leader in non invasive imaging.

Michael Cheung graduated from the University of Bristol in the U.K. After training in Paediatrics in the U.K., the bulk of his paediatric cardiology training was at Great Ormond Street Hospital in London. He completed a 2 year research

fellowship at Toronto Sick Children's Hospital in the areas of assessment of ventricular function by invasive and non invasive modalities. Before coming to the Royal Children's Hospital as a Consultant, he was appointed as a Consultant Cardiologist in Hospital for Sick Children, Toronto. His particular interests are in assessment of ventricular function, in particular by echocardiography and magnetic resonance imaging.

Dr TH Goh

Cardiologist, Royal Children's Hospital

TH joined the Cardiology Department at the Children's Hospital in 1975. He had trained in medicine and in Paediatric Cardiology in Malaysia and completed his training at the Royal Children's Hospital with Dr. Alex Venables (former Director). Since 1976 he has been a Paediatric Cardiologist at the Children's Hospital. He was Deputy Director of the Department for many years. He has been actively involved in developing interventional procedures including device closure of PDA, VSD and ASD.

His interests are:

- Research
- Echocardiography

- Interventional Cardiology

Assoc/Prof. Joe Smolich

Principal Research Fellow

Joe Smolich graduated in Medicine from the University of Melbourne in 1977 and undertook his postgraduate training at the Alfred Hospital from 1978-1980, gaining his first part Surgical Fellowship in 1979. After obtaining a PhD in the Monash University Centre for Early Human Development and Department of Paediatrics, he worked as a researcher at the Baker Medical Research Institute from 1985-1990, at the Monash University Centre for Early Human Development and Institute of Reproduction and Development from 1990-1998, and within the Monash University Centre for Heart and Chest Research from 1999-2004. He has a wide range of research interests, including the function, blood flow and structure of the developing and adult heart, the lung circulation in health and disease, the role of stress hormones in the fetal and newborn circulations, and changes in the blood coagulation system in heart disease

Our Alumni

We are proud of our former Fellows who

include:-

FELLOW	Year	Country
Dr Samuel Menahem	1969-70	Australia
Dr Brian Edis	1971-72	Australia
Dr Andrew Blackwood	1973-74	Australia
Dr TH Goh	1974-75	Malaysia
Dr Philip Adams	1975-77	Australia
Prof IP Sukumar	(sabbatical) 1978	India
Dr Kazuma Tateishi	1980-81	Japan
Dr Jim Ramsay	1981-83	Australia
Dr Stephano del Torso	1983-84	Italy
Dr Moi Pen Ng	1983-84	Singapore
Dr Lance Fong	1985-86	Australia
Dr KY Wong	1985-87	Singapore
Dr Sudigdo Soastroasmoro	1986	Indonesia
Dr Robert Weintraub	1986-89	Australia
Dr Shen Zhuo Hua (Nancy)	1986-88	China
Dr Xie Ruo Lan	1987	China
Dr MS Ranjit	1988-90	India
Dr Nur Haryono	1988	Indonesia
Dr Anna Rahajoe	1988-89	Indonesia
Dr Ravi Narayan	1988-89	India
Dr Malcolm Richardson	1988-91	Australia
Dr Poppy Roebiono	1989-91&1995	Indonesia
Dr Leslie Smoot	1989	USA
Dr KC Lau	1989	Hong Kong
Dr Sukman Putra	1990-91	Indonesia
Dr Ng Yin Ming	1990	Hong Kong
Dr Satish Adwani	1990	India
Dr Andrew Davis	1990-92	Australia
Dr Rakesh Dua	1991-93	India
Dr Amanda Barlow	1991-93	Australia
Dr James Gnanapragasam	1991-92	UK
Dr Tomas Riesenfeld	1991-92	Sweden
Dr Richard Kirk	1991	UK
Dr Vipul Shah	1992	India
Dr Thanarat Layangool	1992-93	Thailand
Dr Dan Penny	1992-95	UK
Dr Peter Gildein	1992-93 & 94-95	Germany

Dr Tetsua Sano	1993-95	Japan
Dr Sabine Kleinert	1993-95	UK
Dr Narendra Pavuluri	1993-94	India
Dr Arun Srinivas	1993-94	India
Dr Chen Fang	1993-94	China
Dr Yam Man Ching	1994	Hong Kong
Dr Hossein Movaheddian	1995	Iran
Dr Rolf Bennhagen	1995-96	Sweden
Dr John Stirling	1995-96	South Africa
Dr Dora Wong	1995	Hong Kong
Dr Eikan Koh	1995-96	Japan
Dr Satej Janorkar	1995-97	India
Dr Hee Ju Park	1996	South Korea
Dr Nam Su Kim	1996-98	South Korea
Dr David Coleman	1996-98	New Zealand
Dr Piers Daubeney	1996-97	UK
Dr Andrew Bullock	1996-97	Australia
Dr Carlos Mas	1996-99	Costa Rica
Dr Masamichi Tamura	1996-98	Japan
Dr Louisa Rey	1997	Italy
Dr Suwan Danworapong	1997-98	Thailand
Dr Najib Advani	1997-98	Indonesia
Dr Jing Zhang	1997	China
Dr Mok Toi Meng	1997 & 2002	Macau
Dr KT Wong	1997-98	Hong Kong
Dr Liu Xiao-Quin	1998-99	China
Dr Michael Cheung	1998-99	UK
Dr Alan Nugent	1998-99	Australia
Dr Masahiro Kamada	1998-99	Japan
Dr Inguna Lubaua	1998-99	Latvia
Dr Tim Hla	1999	UK
Dr TA Shelby	1999-2000	India
Dr Tim Bradley	1999-2000	New Zealand
Dr Geetha Kandhavel	1999-2000	Malaysia
Dr Marina Hughes	1999-2002	UK
Dr Louisa Poon	1999-2000	Hong Kong
Dr Abdulelah Fatani	1999-2002	Saudi Arabia
Dr. Abdulrahman Bakhaidar	1999-2000	Saudi Arabia
Dr Mariutzka Zadinello	2000-2001	Brazil
Dr Jayaranganath M	2000	India
Dr Zarin Zain	2000-2001	Malaysia
Dr Jin Ze-Ning	2000-2001	China
Dr Shim WooSup	2000-2001	South Korea
Dr Meeraji Rao	2001	India
Dr Ashutosh Marwah	2001-2003	India

Dr Alex Lu	2001-2002	Sarawak, Malaysia
Dr Geoffrey Mok	2001	Hong Kong
Dr Salim Al-Maskery	2001-2004	Oman
Dr Darios Adriano	2001-2002	Phillipines
Dr Joseph Kado	2001-2002	Fiji
Dr Andrew Sands	2001-2002	Northern Ireland
Dr Rohayati Taib	2002-2005	Brunei
Dr Jesper Reimers	2002-2003	Denmark
Dr Mok Toi Meng	2002-2003	Macau
Dr Carsten Beck	2002-2003	Germany
Dr Han Bo	2002-2003	China
Dr Langzhong Zhang	2002	China
Dr Mansour Al Mutairi	2002-2005	Saudi Arabia
Dr Liew San Foi	2003-2004	Malaysia
Dr Darshan Kothari	2002-2004	India
Dr Helle Andersen	2003-2004	Denmark
Dr Jim Morwood	2003-2004	Australia
Dr Atmosudigdo Indriwanto	2003-2004	Indonesia
Dr Tee Ling Chan	2003-2004	Malaysia
Dr Sarah Hope	2003-2005	UK
Dr Atif Al Sahari	2003-2004	Saudi Arabia
Dr. Abdullah Al Furqani	2002-2006	Saudi Arabia
Dr. Carmelo Arcidiacono	2004-2005	Italy
Dr. David Crossland	2005-2006	UK
Dr. Gunnar Sjoberg	2005-2006	Sweden
Dr. Huda Al Rawahi	2005-2006	Saudi Arabia
Dr. Paul Brooks	2005-2006	Australia
Dr. Bryn Jones	2006 -	Australia
Dr. Anita Dumitrescu	2006	Germany
Dr. Caterina Ricci	2006	Italy
Dr Zaki Ahmed Al-Harbi	2006	Saudi Arabia

Current fellows are indicated in blue.

Fellows, who are, or have been, RCH Staff Cardiologists, are indicated in red