1 PREPARATION

1.1 Host institutions and researchers in Australia

You should remember that host research supervisors or institutions are not paid to host you, therefore your technical contributions to their program will be most appreciated. Many program participants continue their relationship with Australian host researchers in many productive ways. A few tips regarding host institutions and research plans are provided below.

How to find your host institution and research supervisor in Australia

First, you need to talk to your research advisors or colleagues in your home institution, who are active in the research areas of your interests. Many of them have contacts in Australia and may be able to provide you with contact details

You may want to undertake some personal research by going to the Australian Research Council (ARC) website where you can search for research projects and researchers funded by the ARC at Australian universities since 2001. Please visit http://www.arc.gov.au/funded-grants.

The ARC has published the *State of Australian University Research 2015-16: Volume 1 ERA National Report* which details the quality of Australian university research benchmarked against world standards. Section 5: Institution Report identifies the excellence in research across a broad range of universities and the outstanding performances in areas of specialisation. Please visit http://www.arc.gov.au/era-reports.

You may also like to check recent journal papers or conference proceeding papers in the areas of your interests to identify Australian institutions and researchers from published papers. Details of numerous Australian higher education institutions and other research organisations are provided with this paper. Please note that the Australian Academy of Science is not able to assist you in identifying a host in Australia.

What to discuss with your host researcher in Australia

Eight weeks pass very quickly, and you don't want to "waste" the first part of your stay discussing potential projects and not working on the actual project itself. Therefore you are encouraged to make an effort both to create a research plan and to discuss its viability with your host scientist before you depart to Australia. It is well worth the time and effort.

Research plan

With your host supervisor's agreement you may choose to continue your ongoing research work or you may choose to work on their on-going or new research project. If you choose to

work on a new research topic you may not be able to have tangible results at the end of the eight-week period. To make your visit to Australia productive in research, you may want to do the following:

- join one of the ongoing projects in your host researcher's laboratory
- team up with one of the graduate students in their research group
- read their publications and understand their methods and approaches
- decide on the scope and weekly schedule of your work, consulting with your host researcher before you arrive in Australia.

Facilities

After your research plan is made, you should check with the host supervisor to confirm that equipment, facilities, or materials required for your research will be available to you during your visit.

Other information

You may get useful information about how to make the most out of your stay at your host institution from other Colombian students, research staff who are currently there or have been there in the past. You may ask your host researcher to send you contact information about current or previous Colombian researchers in the host institution, if any. You may also ask for information about possible professional visits during your stay and accommodation arrangements.

1.2 How to set up other professional visits

We encourage participants to visit research institutions outside of their host laboratory or education faculty to gain a broader understanding of the Australian scientific or education research community in their fields and to create contacts for future research collaboration. Main resources for developing contacts in Australia are your advisor, professors and colleagues in Colombia.

Make sure you consult with your department advisor and other appropriate individuals before you leave home and develop a list of researchers you would like to meet while in Australia. Letters of introduction provided by primary advisors to the Australian researchers are extremely useful in setting up research visits as this further solidifies potential research relationships.

Your Australian host research supervisor

Prior to your arrival, you should inform your host supervisor that you are interested in visiting other research institutions in Australia and ask them if they have suggestions as to which researchers would be beneficial for you to meet. If the host responds to this request, you can then politely ask if they would be willing to make the necessary introductions for you.

2 POTENTIAL HOST INSTITUTIONS

Participants are able to conduct research at a range of Australian institutions, including:

- Australian Universities
- Cooperative Research Centres (CRCs)
- Commonwealth Scientific & Industrial Research Organisation (CSIRO)
- Australian Museums
- Australia Medical Research Institutes
- Other

Please note that this list may not contain information on all Australian research organisations. If you become aware of an organisation which is not listed, please contact the Australian Academy of Science at international_admin@science.org.au who will update this information. Additional institutions may be considered on a case-by-case basis.

2.1 AUSTRALIA'S UNIVERSITIES

Australian Catholic University - http://www.acu.edu.au
Australian National University - http://www.anu.edu.au
Bond University - http://www.bond.edu.au
Central Queensland University - http://www.cqu.edu.au
Charles Darwin University – http://www.cdu.edu.au
Charles Sturt University - http://www.csu.edu.au
Curtin University of Technology - http://www.curtin.edu.au
Deakin University - http://www.deakin.edu.au
Edith Cowan University - http://www.ecu.edu.au
Flinders University - http://www.flinders.edu.au
Griffith University - http://www.gu.edu.au
James Cook University - http://www.jcu.edu.au
La Trobe University - http://www.latrobe.edu.au
Macquarie University - http://www.mq.edu.au
Monash University - http://www.monash.edu.au
Murdoch University - http://www.murdoch.edu.au
Queensland University of Technology - http://www.qut.edu.au
Royal Melbourne Institute of Technology - http://www.rmit.edu.au
Southern Cross University - http://www.scu.edu.au
Swinburne University of Technology - http://www.swin.edu.au
University of Adelaide - http://www.adelaide.edu.au
University of Ballarat - http://www.ballarat.edu.au
University of Canberra - http://www.canberra.edu.au
University of Melbourne - http://www.unimelb.edu.au
University of New England - http://www.une.edu.au
University of New South Wales - http://www.unsw.edu.au
University of Newcastle - http://www.newcastle.edu.au/
University of Notre Dame – http://www.nd.edu.au
University of Queensland - http://www.uq.edu.au
University of South Australia - http://www.unisa.edu.au

University of Southern Queensland - http://www.usq.edu.au
University of Sydney - http://www.usyd.edu.au
University of Tasmania - http://www.utas.edu.au
University of Technology Sydney - http://www.uts.edu.au
University of the Sunshine Coast - http://www.usc.edu.au
University of Western Australia - http://www.uwa.edu.au
University of Western Sydney - http://www.uws.edu.au
University of Wollongong - http://www.uow.edu.au
Victoria University - http://www.vu.edu.au

2.2 COOPERATIVE RESEARCH CENTRES (CRCs)

Advanced Manufacturing CRC - www.amcrc.com.au
Antarctic Climate & Ecosystems CRC - www.acecrc.org.au
Australian Seafood CRC - www.seafoodcrc.com
Bushfire CRC- www.bushfirecrc.com
Capital Markets CRC - www.cmcrc.com
CAST CRC- www.cast.org.au
Cotton Catchment Communities CRC - www.cottoncrc.org.au
CRC for Aboriginal and Torres Strait Islander Health - www.lowitja.org.au
CRC for Advanced Automotive Technology - www.autocrc.com
CRC for Advanced Composite Structures - www.crc-acs.com.au
CRC for Asthma and Airways - www.asthmacrc.org.au
CRC for Beef Genetic Technologies - www.beefcrc.org.au
CRC for Biomarker Translation - www.biomarkercrc.com.au
CRC for Biomedical Imaging Development - www.crcbid.com.au
CRC for Cancer Therapeutics - www.cancercrc.com
CRC for Contamination Assessment and Remediation of the Environment (CARE) - www.crccare.com
CRC for Forestry - www.crcforestry.com.au
CRC for Greenhouse Gas Technologies - www.co2crc.com.au
CRC for High Integrity Australian Pork - www.porkcrc.com.au
CRC for Infrastructure and Engineering Asset Management (CIEAM) - www.cieam.com
CRC for Mental Health - www.mentalhealth.com
CRC for National Plant Biosecurity - www.crcplantbiosecurity.com.au
CRC for Optimising Resource Extraction - www.crcore.org.au
CRC for Polymers - www.crcp.com.au
CRC for Rail Innovation - www.railcrc.net.au
CRC for Remote Economic Participation - www.crc-rep.com.au
CRC for Sheep Industry Innovation - www.sheepcrc.org.au
CRC for Spatial Information - www.crcsi.com.au
CRC Mining - www.crcmining.com.au
Dairy Futures CRC - www.dairyfuturescrc.com.au
Deep Exploration Technologies CRC - www.detcrc.com.au
Energy Pipelines CRC - www.epcrc.com.au
Environmental Biotechnology CRC - www.ebcrc.com.au
eWater CRC - www.ewatercrc.com.au
Future Farm Industries CRC - www.futurefarmonline.com.au
Invasive Animals CRC - www.invasiveanimals.com & www.feral.org.au
Oral Health CRC - www.oralhealthcrc.org.au

Parker CRC for Integrated Hydrometallurgy Solutions - www.parkercentre.com.au
Poultry CRC - www.poultrycrc.com.au
Smart Services CRC - www.smartservicescrc.com.au
The HEARing CRC - www.hearingcrc.org
The Vision CRC - www.visioncrc.org
Wound Management Innovation CRC - www.woundcrc.com
Young and Well CRC - www.yawcrc.org.au

2.3 COMMONWEALTH SCIENTIFIC & INDUSTRIAL RESEARCH ORGANISATION (CSIRO)

Atmospheric Research - http://www.dar.csiro.au/
Australia Telescope National Facility - http://www.atnf.csiro.au/
Earth Science and Resource Engineering - http://www.dpr.csiro.au
Energy Technology - http://www.det.csiro.au/
Entomology - http://www.ento.csiro.au/
Exploration and Mining - http://www.dem.csiro.au/
Food and Nutritional Sciences Australia - http://www.foodscience.csiro.au/
Forestry and Forest Products - http://www.ffp.csiro.au/
Land and Water - http://www.clw.csiro.au/
Livestock Industries - http://www.csiro.au/index.asp?type=division&id=Livestock%20Industries
Manufacturing and Infrastructure Technology - http://www.cmit.csiro.au/
Marine Research - http://www.marine.csiro.au/
Mathematical and Information Sciences - http://www.cmis.csiro.au/
Minerals - http://www.minerals.csiro.au/
Molecular Science - http://www.csiro.au/index.asp?type=division&id=Molecular%20Science
Plant Industry - http://www.pi.csiro.au/
Sustainable Ecosystems - http://www.cse.csiro.au/
Telecommunications and Industrial Physics - http://www.tip.csiro.au/
Textile and Fibre Technology - http://www.tft.csiro.au/

2.4 AUSTRALIAN MUSEUMS

Western Australia Museum - http://www.museum.wa.gov.au/
Museum and Art Gallery of the Northern Territory - http://www.dcdsca.nt.gov.au/
South Australian Museum - http://www.samuseum.sa.gov.au/
Australian Museum - http://www.austmus.gov.au/
Melbourne Museum - http://melbourne.museum.vic.gov.au/
National Museum of Australia - http://www.nma.gov.au/
Tasmanian Art Gallery and Museum - http://www.tmag.tas.gov.au/
Queensland Museum - http://www.qm.qld.gov.au/

2.5 AUSTRALIA MEDICAL RESEARCH INSTITUTES

Centre for Medical Radiation Physics – http://www.uow.edu.au/eng/phys/cmrp/index.html
Garvan Institute of Medical Research - http://www.garvan.org.au/
John Curtin School of Medical Research - http://jcsmr.anu.edu.au/

Neuroscience Research Australia (previously Prince of Wales Medical Research Institute) - http://www.neura.edu.au/
Queensland Institute of Medical Research - http://www.qimr.edu.au/
St. Vincent's Institute of Medical Research - http://www.svimr.unimelb.edu.au/
The Walter and Eliza Hall Institute of Medical Research - http://www.wehi.edu.au/
The Western Australian Institute for Medical Research - http://www.waimr.uwa.edu.au/
Victor Chang Cardiac Research Institute – http://www.victorchang.edu.au/home/
Western Australian Biomedical Research Institute – http://wabri.org.au
Women's and Children's Health Research Institute – http://www.wchri.com.au

2.6 OTHER AUSTRALIAN ORGANISATIONS

Australian Antarctic Division - http://www.antarctica.gov.au/
Australian Astronomical Observatory - http://www.aao.gov.au/
Australian Institute of Marine Science - http://www.aims.gov.au/
Australian Nuclear Science and Technology Organisation (ANSTO) - http://www.ansto.gov.au/
Australian Research Council - http://www.arc.gov.au/
Bragg Institute - http://www.ansto.gov.au/research/bragg_institute
Geological Survey of New South Wales - http://www.resources.nsw.gov.au/geological
National ICT Australia - http://nicta.com.au/
Park Centre, Western Australia - http://www.parkercentre.com.au/
The Bionic Ear Institute - http://www.bionicear.org/
Dr. Robert Shepherd - http://www.findanexpert.unimelb.edu.au/researcher/person15914.html
Dr. James Fallon - http://www.findanexpert.unimelb.edu.au/researcher/person15512.html