

**INTERNATIONAL UNION OF MICROBIOLOGICAL SOCIETIES
DRAFT PROGRAM
SYDNEY, AUGUST 1999**

IUMS SYDNEY AUGUST 1999 MYCOLOGY OVERALL PROGRAM (DRAFT)

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| Saturday
Aug. 14 | Fungal foray: Watagan State Forest. Convenor: J. Simpson. | |
| Saturday
Sunday
Aug. 14-15 | Mycology workshop: Towards monophyletic genera in the Ascomycetes
Convenors: P. Crous, W. Gams, A. Rossman and K. Seifert. Convention Centre. All day two days. | |
| Sunday
Aug. 15 | Mycology workshop: Dermatophytes and other fungi in laboratory dermatology
Convenors: L. Sigler, R. Summerbell (Canada) and D. Parr (NZ) . Univ. of Sydney. All day | |
| | Mycology workshop: Diagnostic methods for candidiasis
Convenor: E. Reiss (CDC, Atlanta, GA) (ICAMD). Convention Centre. All day | |
| Monday
Aug. 16 | Plenary 1: Species concepts in modern fungal taxonomy (p.m.)
1 Fungal biodiversity: Biodiversity in yeasts (ICYF)
2 Fungal biodiversity: Basidiomycetes: Boletales
3 Medical mycology: Biology and genetics of pathogenic fungi - <i>Cryptococcus</i>
4 Medical mycology: Molecular epidemiology of mycotic infections (ICAMD)
5 Fungi in indoor environments
6 Fungi as biocontrol agents | L. Kohn
G. Fleet
R. Watling
T. Sorrell
D.A. Stevens
J.D. Miller
R.J. Milner |
| Tuesday
Aug. 17 | Plenary 2: Biodiversity and biogeography of Australasian fungi (p.m.)
7 Fungal biodiversity: Ascomycota: Eurotiales (ICPA)
8 Fungal biodiversity: Basidiomycota: Sequestrate fungi
9 Medical mycology: Diagnostic methods of clinical relevance
10 Teaching mycologists
11 Wine microbiology and biotechnology
12 Molecular genetics of secondary metabolites in fungi | J. Simpson, T. May
J.I. Pitt
N. Bougher
M. McGinnis
J. Shadomy
P.A. Henschke
P. Tudzynski |
| Wednesday
Aug. 18 | Plenary 3: Fungal resistance in medicine, food and biodeterioration (p.m.)
13 Fungal biodiversity: Ascomycota: Mycosphaerellaceae
14 Fungal biodiversity: Basidiomycota: Ustilaginales, Uredinales and Tilletiales
15 Medical mycology: Molecular and Immunodiagnosis of mycotic infections (ICAMD)
16 MM: Biology and genetics of pathogenic fungi - <i>Candida</i>
17 Fungal transposons and recombination
18 Fungi and the discovery of new industrial enzymes | D. Ellis
A. Carnegie
R. Shivas
E. Reiss
W. Meyer
D. Catcheside
L. Lange |
| Thursday
Aug. 19 | Plenary 4: Population genetics of fungi (p.m.)
19 Fungal biodiversity: Ascomycetes: Rhytismatales and Leotiales
20 Medical mycology: New antifungals and drug development
21 Medical mycology: The mycology of skin
22 Mycotoxins
23 Culture collections (Joint with BAM)
24 Signal transduction and receptors in fungi | J.W. Taylor
P. Johnston
C. Hitchcock
L. Sigler
D. Bhatnagar
L.I. Sly
J. Heitman |
| Friday
Aug. 20 | Plenary 5: Microbiology into the next Millenium (Joint BAM & Mycology)
25 Fungal biodiversity: Zygomycota: Glomales
26 Fungal diversity
27 Food mycology - theory and application (ICFM)
28 MM: Biology and genetics of pathogenic fungi - other fungal pathogens
29 Secondary metabolite biosynthesis in filamentous fungi
30 Fungal plant interactions | J. Mattick
P. McGee
J. Simpson
O. Filtenborg
D. Carter
G. Bills
B.J. Howlett |

Detailed mycology program: plenaries**Plenary 1. Monday****Species concepts in fungi in modern taxonomy**

Convenor: L. Kohn

Invited

Species and species concepts in fungi - an overview
 The phylogenetic species concept
 Interpreting speciation processes and species concepts through
 gene genealogies in *Penicillium* and *Aspergillus*
 Biochemical characters, speciation and species concepts
 Mating types, speciation and species concepts
 Morphologically delimited species and plant quarantine

C. Brasier (Forest Res. Sta., Farnham, UK)
 J.W. Taylor (Univ. Calif., Berkeley)
 D. Geiser (Univ. of Pennsylvania)
 J.C. Frisvad (Tech. Univ. of Denmark)
 G. Turgeon (Cornell Univ.)
 P. Crous (Stellenbosch Univ., S. Africa)

Plenary 2. Tuesday**Biodiversity and biogeography of Australasian fungi**

Convenors: J. Simpson and T. May

Invited

Ascomycota
 Fungi Anamorphica
 Yeasts
 Agaricales
 Aphylophorales
 Biogeography of Australasian fungi

K.D. Hyde (University of Hong Kong)
 E. MacKenzie (Landcare, New Zealand)
 G. Fleet (University of New South Wales)
 C.A. Grgurinovic (ABRS, Australia)
 P. Buchanan (Landcare, New Zealand)
 T. May and J.A. Simpson

Plenary 3: Wednesday**Fungal resistance in medicine, food and biodeterioration**

Convenor: D. Ellis

Invited

Mechanisms of antifungal resistance
 Fungal resistance in agriculture
 Fungal resistance in biodeterioration
 Resistance of fungi to preservatives in foods
 Relevance of fungal resistance in medicine
 Phylogenetic basis for antifungal resistance

S. Kelly (Univ. of Sheffield, UK)
 J. Brown (Univ. New England, Armidale)
 D. Ahearn (Georgia State Univ, Atlanta)
 A.D. Hocking (Food Science Australia)
 T. Walsh (National Cancer Institute, Bethe)
 M. McGinnis (Univ. of Texas, Galveston)

Plenary 4: Thursday**Population genetics of fungi**

Convenor: J.W. Taylor

Invited

No titles....

Typing of *Aspergillus fumigatus* and molecular epidemiology
 of aspergillosis

S. Rosendahl (Denmark)
 N. Talbot (UK)
 L. Kohn (Canada)
 J. Anderson (Canada)
 R. Vilgalys (USA)
 J.P. Latge (institut Pasteur, Paris)

Plenary 5: Friday**Microbiology into the next millenium (Joint BAM & Mycology)**

Convenor: J. Mattick

Bacteriologist
 Bacteriologist
 Bacteriologist
 J.W. Taylor (?)
 J.I. Pitt (?)
 ?

Detailed mycology program: (2) Symposia (a) Monday**Symposium 1. Fungal Biodiversity: Biodiversity in yeasts (sponsored by ICYFF)**

Convenor: G. Fleet (Univ. N.S.W., Kensington)

Invited

Taxonomic and morphological diversity in yeasts
 Ecological diversity in yeasts
 Yeasts - physiological diversity
 Diversity in metabolic pathways in yeasts
 Diversity in stress response in yeasts
 Genetic diversity in yeasts
 Industrial diversity in yeasts

A. Martini (Univ. di Perugia, Italy)
 A. Lachance (Univ. of Western Ontario, Canada)
 I. Spencer-Martins (New Univ. of Lisbon, Portugal)
 H. Hagerdahl (Lund Univ., Sweden)
 K. Watson (Univ. of New England, N.S.W.)
 G. Naumov (State Sci. Res. Inst. Genetics, Moscow)
 I. Jensen, Gist-Brocades, Sydney (Reserve)

Symposium 2. Fungal biodiversity: Basidiomycetes - Boletales

Convenor: R. Watling (Edinburgh Botanic Gardens)

Invited

Introduction
 From one to many: the proliferation of Bolete genera
 The classical approach: the genus *Boletinellus* - a case study
 The significance of genetics in *Suillus*
 Mycorrhizal studies: relationships with Gomphidiaceae and
 Thelephoraceae
 Secondary metabolites in Boletes and their significance

C. Grguronovic (ABRS, Canberra)
 R. Watling (Royal Botanic Garden, Edinburgh)
 E. Horak (Geobotanical Institute ETH, Zurich)
 A. Dahlberg (Univ. Agric. Sciences, Uppsala, Sweden)
 R. Angerer (Univ. Munich, Germany)
 M. Gill (Univ Melbourne)

Symposium 3. MM: Biology and genetics of pathogenic fungi - *Cryptococcus*

Convenor: T. Sorrell (Westmead Hospital, Sydney)

Invited

Signalling pathways involved in regulation of mating and virulence
 in *Cryptococcus neoformans*
 Differential gene expression and virulence in *Cryptococcus*
neoformans
 Phospholipases and other extracellular products in *Cryptococcus*
neoformans
 Epidemiology of cryptococcosis - an overview in Europe
 Seroepidemiology of *Cryptococcus neoformans*
 One more topic

J. Heitman (Duke Univ. Medical Center, Durham, NC)
 J.R. Perfect (Duke Univ. Medical Center, Durham, NC)
 T.C. Sorrell (Westmead Hospital, Westmead, NSW)
 M.-A. Viviani (Univ. degli Studi di Milano, Milan)
 A. Hamilton (Guy's Hospital, London)

Symposium 4. Fungi in indoor environments

Convenor: Dr J.D. Miller (Carleton Univ., Ottawa)

**Symposium 5. MM: Molecular epidemiology of mycotic infections
(Sponsored by ICAMD)**

Convenor: D.A. Stevens (Stanford University, Stanford, CA)

Invited

Co-Convenor: M. McCullough (Infectious Diseases Ref. Lab., Melb.)

Advances in the molecular epidemiology of blastomycosis
 Advances in the molecular epidemiology of candidiasis
 Advances in the molecular epidemiology of dermatophytosis
 Advances in the molecular epidemiology of malassezia
 Advances in the molecular epidemiology of aspergillosis
 Advances in methodology for DNA typing of pathogenic fungi

K. Clemens and D.A. Stevens (Stanford University, Sa
 M. McCullough and D.A. Stevens (Univ. Melbourne)
 S. Howell ()
 G. Midgley (St. Thomas Hospital, London)
 D. Denning (North Manchester TGeneral Hospital, U.
 E. Reiss (Centers for Disease Control, Atlanta, GA)

Symposium 6. Fungi as biocontrol agents

R.J. Milner (CSIRO Entomology, Canberra)

Detailed mycology program: (2) Symposia (b) Tuesday**Symposium 7. Fungal biodiversity: Ascomycota - Eurotiales**

Convenor: J. Pitt (Food Science Australia, Sydney)

Molecular systematics of the Eurotiales
 Eurotiales in Australasia
 A place in the sun: Eurotiales in the tropics
 Eurotiales in the Americas
 A place in the refrigerator: *Penicillium* in the cool temperate zones
 Biodiversity in the Gymnoascales

Speaker

Invited

J. Sugiyama (Univ. Tokyo, Tokyo)
 J. Pitt (Food Science Australia, Sydney)
 R.A. Samson (CBS, Baarn, Netherlands)
 M.A. Klich (USDA, New Orleans, LA)
 J.C. Frisvad (Technical Univ. of Denmark)
 J. Guarro (Univ. Rovira i Virgili, Spain)

Symposium 8. Fungal biodiversity: Basidiomycota - Sequestrate fungi

Convenor: N. Bougher (CSIRO Forestry, Perth)

Evolution and phylogeny in sequestrate fungi: linkages to mushroom relative
 World biodiversity and biogeography of sequestrate fungi
 Sequestrate fungi: relationships with Australian mycophagous mammals
 Sequestrate fungi of Mexico
 Dispersal of New Zealand sequestrate fungi
 Sequestrate Russulales
 Sequestrate fungi in Australasian ecosystems

Invited

J. Trappe (Oregon State Univ., Corvallis, OR)
 M. Castellano (USDA Forest Service, Corvallis)
 A. Claridge (National Parks and Wildlife, NSW)
 E. Cazares (Oregon State Univ.; Mexico)
 R.E. Beever (Landcare Research, NZ)
 T. Lebel (Oregon State Univ., Corvallis)
 N. Bougher (Reserve)

Symposium 9. MM: Diagnostic methods of clinical relevance

Convenor: M. McGinnis (USA)

Possible topics:
 Rapid diagnostic tests of clinical relevance
 Molecular identification systems
 Role of traditional diagnostic procedures
 MycologyOnline, what's on the Internet
 Computerised identification keys

Symposium 10. Teaching Mycologists

Convenor: J. Shadomy (USA)

Nature of the subject and its problems including transportation
 Medical mycology
 Industrial mycology
 Biotechnology for research areas
 Taxonomy
 One more topic

Invited

Dr N. Warren (Washington, DC)
 B. DuPont (Institut Pasteur, Paris)
 G. Stewart (Heriot-Watt Univ., Edinburgh)
 H. Yamaguchi (Tokyo)
 R. Summerbell (Toronto)

Symposium 11. Wine microbiology and biotechnology

Convenor: P.A. Henschke (Wine Research Inst., South Australia)

Genetic diversity of vine fungal pathogens
 Molecular taxonomy of wine yeasts
 Spontaneous wine fermentation and wine flavour
 Inoculated strains and wine flavour
 Sparkling wine yeasts
 Stuck alcohol fermentations
 Potential applications of genetically improved wine yeasts

Invited

E. Scott (Univ. of Adelaide)
 M. de Barros Lopez (Aust. Wine Res. Inst., S)
 T. Henick-Kling (Cornell Univ., Geneva, NY)
 M. Grossman (Inst. Oenologie, Geisenheim, G)
 C. Charpentier (Univ. Dijon, Dijon, France)
 J.M. Salmon (INRA, Montpellier, France)
 T.S. Pretorius (Stellenbosch Univ., S. Africa)

Symposium 12. Molecular genetics of secondary metabolites in fungi

Convenor: P. Tudzynski (WWU, Munster, Germany)

Detailed mycology program: (2) Symposia (c) Wednesday**Symposium 13. Fungal biodiversity: Ascomycota - Mycosphaerellaceae**

Convenor: A. Carnegie (State Forests of N.S.W., Beecroft) *Invited*

Molecular studies of <i>Mycosphaerella graminicola</i>	B. McDonald (Texas A&M Univ., USA)
Population genetics of <i>Mycosphaerella</i> on banana	H. Hayden, Univ. Qld)
The <i>Mycosphaerella</i> species on Myrtaceae	P. Crous, Stellenbosch Univ., S. Africa
Taxonomy of the saprobic species of <i>Mycosphaerella</i>	A. Aprot (CBS, Baarn, Netherlands)
The Mycosphaerellaceae	M. Barr (Sidney, Canada)
Molecular studies of <i>Mycosphaerella</i> on <i>Eucalyptus</i>	A. Carnegie (State Forests of N.S.W.)

Symposium 14. FB: Basidiomycota - Ustilaginales, Uredinales and Tilletiales

Convenor: R. Shivas (Papua New Guinea Dept of Primary Industries)

The classification of the smut fungi, exemplified by Australasian taxa	K. Vánky (Herb. Ustilaginales Vánky, Tübingen)
Molecular aspects of the classification of smut fungi	D. Begerow (Univ. of Tübingen, Tübingen, Germany)
Speciation in the genus <i>Tilletia</i>	L.M. Carris (Washington State Univ., Pullman, WA)
TBA	L. Castlebury (National Fungus Collections, Bethesda, MD)
TBA	E. Swann (Univ. Minnesota, St. Paul, MN)
TBA	E. Mordue (Intl Mycological Inst., Egham, U.K.)

Symposium 15. MM: Molecular and immunodiagnosis of mycotic infections (ICAMD)

Convenor: E. Reiss (CDC, Atlanta) *Invited*

Advances in molecular probe diagnosis of fungal pathogens	C.J. Morrison (CDC, Atlanta, GA)
Comparison of immunological and molecular methods in the diagnosis of invasive aspergillosis	TBA
Current experience in applying molecular and immunodiagnostic tests for surveillance of high risk patients	H. Einsele (Loeffler Group, Tubingen, Germany)
Molecular diagnosis of candidiasis	S.Y. Murayama (Teikyo Univ., Tokyo, Japan)
Molecular and immunodiagnosis of histoplasmosis and paracoccidiomycosis	R.M. Zancope-Oliviera (Oswaldo Cruz Inst., Rio, Brazil)
Molecular and immunodiagnosis of pneumocystis	TBA

Symposium 16. MM: Biology and genetics of pathogenic fungi - *Candida*

Convenor: W. Meyer (Westmead Hospital, Sydney) *Invited*

The genus <i>Candida</i> in the light of molecular taxonomy	W. Meyer (Westmead Hospital, Sydney)
Gene regulation during high frequency switching in <i>Candida albicans</i>	D.R. Soll (University of Iowa, Iowa City, IO)
The role of antifungal susceptibility testing in the management of candidiasis	M. Rinaldi (Univ. of Texas, San Antonio, TX)
Fungal lipases as virulence factors in <i>Candida albicans</i>	M. Ghannoum (Univ. Hospitals of Cleveland, OH)
Molecular markers used in population genetic studies of <i>Candida albicans</i>	G. Schoenian (Humbolt Univ. of Berlin, Germany)
One more topic	

Symposium 17. Fungal transposons and recombination

Convenor: D. Catcheside (Flinders Univ., Adelaide) *Invited*

Transposable elements in <i>Fusarium</i>	M.-J. Daboussi (Univ. Paris-Sud, France)
Restless aided transposon tagging in filamentous fungi	F. Kempken (Ruhr-Univ. Bochum, Germany)
Initiation of meiotic recombination in <i>Saccharomyces cerevisiae</i>	A. Nicolas (Institut Curie, Paris)
Regulated meiotic recombination in <i>Neurospora crassa</i>	F. Bowring (Flinders Univ., Adelaide)
Control of meiotic recombination in <i>Schizosaccharomyces pombe</i>	G. Smith (F. Hutchinson Cancer Res., Seattle)
One more topic	

Symposium 18. Fungi and the discovery of new industrial enzymes

Convenor: L. Lange (Novo-Nordisk, Bagsvaerd, Denmark) *Invited*

What is special about fungal enzymes?	B. Henrissat (CNRS, Grenoble, France)
Extracellular enzymes and fungal physiology	L. Lange (Novo Nordisk, Bagsvaerd, Denmark)
Functional domains in enzymes from anaerobic fungi	G.P. Hazelwood (Brabham Inst., Cambridge, UK)
Enzymes from <i>Trichoderma reesei</i> : discovery and molecular genetics	M. Penttila (VTT Biotechnology, Espoo, Finland)
Discovery of new fungal enzymes through bioinformatics	D. Natvig (Univ. New Mexico, USA)
Enzyme discovery in China: tradition and future perspectives	K. Chen (Beijing, China)

Detailed mycology program: (2) Symposia (d) Thursday**Symposium 19. FB: Ascomycota - Rhytismatales and Leotiales**

Convenor: P. Johnston (Landcare, New Zealand)

Invited

Relationships in the Leotiales

Population genetics in the Leotiales

The continuing importance of morphology in Discomycete taxonomy

Inoperculate Discomycetes of conifer foliage: Leotiales and Rhytismatales

Biology of the Rhytismatales

Is the Southern hemisphere important in understanding Rhytismatales world wide?

B. Spooner (Royal Bot. Gardens, Kew, UK)

L. Kohn (Univ. Toronto, Mississauga, Canada)

S. Huhtinen (Univ. of Turku, Finland)

J. Stone (Oregon State Univ., Corvallis, OR)

D. Minter (IMI, Egham, UK)

P. Johnston (Landcare, NZ)

Symposium 20. MM: New antifungals and drug development

Convenor: C. Hitchcock (Pfizer Central Res., Sandwich, Kent, UK)

Symposium 21. Medical Mycology; The mycology of skin

Convenor: L. Sigler (University of Alberta, Canada)

*Invited**Malessezia* - species and therapy

Epidemiology of Australasian dermatophytes

Molecular phylogeny of dermatophytes

Molecular recognition of dermatophytes - species and strains

Onychomycosis: the statistical perspective

Onychomycosis: the laboratory perspective

P. Mayser (Justus-Liebig-Univ., Giessen, Germ)

A. Woodgyer (Univ. Melbourne, Pakville, Vic.)

Y. Graeser (Humboldt Univ., Berlin)

T. Mochizuki (Shiga Univ. Med. Sci., Japan)

R. Summerbell (Health Toronto, Canada)

L. Sigler, (Univ. of Alberta, Alberta, Canada)

Symposium 22. Mycotoxins

Convenor: D. Bhatnagar (USDA Southern Reg. C., New Orleans)

Invited

Strain instability in filamentous fungi

Toxigenic *Alternaria* species of economic importanceGenetic regulation of the aflatoxin biosynthetic gene cluster in toxigenic and nontoxigenic *Aspergilli*

The processes involved in contamination by mycotoxigenic fungi

Determination of human exposure to mycotoxins

Mycotoxins of *Fusarium* species

J.W. Bennett (Tulane Univ., New Orleans, LA)

A. Bottalico (Istituto di Patologia vegetale, Sass)

T.E. Cleveland (USDA Southern Lab., New Ork)

G.A. Payne (North Carolina State Univ., Raleigh)

G. Sabbioni (Ludwig-Maximilians Univ. Münche)

J.D. Miller (Carleton Univ., Ottawa, Canada)

Symposium 23. Culture collections (Jointly with BAM)

Convenor: L.I. Sly (University of Queensland, Brisbane)

Symposium 24. Signal transduction and receptors in fungi

Convenor: J. Heitman (Duke Univ. Medical Center, Durham, NC)

Detailed mycology program: (2) Symposia (e) Friday**Symposium 25. Fungal biodiversity: Zygomycetes - Glomales**
Convenor: P. McGee (University of Sydney)

Invited

Glomales from the traditional point of view (e.g.)
 Glomales from the molecular perspective (e.g.)
 Glomalean fungi and the Eurasian/Gondwanan divide
 Sexual processes in the Glomales
 Difficulties with using molecular techniques for soil fungi
 Population changes of Glomalean fungi in agricultural soils

J. Morton (West Virginia Univ., Morgantown, WV)
 P. Young (Univ. York, UK)
 J. Trappe (Oregon State Univ., Corvallis, OR)
 S. Rosendahl (Univ. Copenhagen, Denmark)
 S. Chambers and J. Cairney (Univ. Sydney)
 P. McGee (Univ. Sydney)

Symposium 26. Fungal diversity

Convenor: J. Simpson (State Forests of NSW, Sydney)

M. Wingfield

Symposium 27. MM: Biology and genetics of pathogenic fungi - other fungal pathogens

Convenor: D. Carter (University of Sydney)

Invited

Population biology of *Coccidioides immitis*
 The cell wall of *Aspergillus fumigatus*: organisation and role in infections
 Gene regulation in *Histoplasma capsulatum* during intracellular infection
 Analysis of the population structure of *Histoplasma capsulatum*
 using microsatellite markers
 Molecular biology and epidemiology of *Malessizia* infections

M. Fisher (Univ. of California, Berkeley, CA)
 J.-P. Latge (Institut Pasteur, Paris)
 J. Woods (Univ. Wisconsin)
 D. Carter (University of Sydney, Sydney)
 E. Gueho (Institut Pasteur, Paris)

Symposium 28. Food mycology - theory and application (ICFM)

Convenor: O. Filtenborg (Denmark)

Invited

ICFM and its role in global standardisation of methods in food mycology
 Quality control of mycological media
 Applying molecular techniques to detection and identification of fungi
 in foods
 Detection of moulds in foods by ELISA techniques
 Practical food mycology
 Associated mycoflora of foods

J.I. Pitt (Food Science Aust.)
 M. Olsen (Nat'l Food Auth., Uppsala, Sweden)
 L. Niessen (W. Germany)
 M.A. Cousin (Purdue Univ., W. Lafayette, IN)
 A.D. Hocking (Food Science Aust.)
 O. Filtenborg (Tech. Univ. of Denmark)

Symposium 29. Biosynthesis of secondary metabolites of culturable and non-culturable filamentous fungi

Convenor: J. Tkacz and G. Bills (Merck Res. Center, Rahway, NJ, USA) Invited (Four speaker Symposium)

Lovastatin gene cluster in *Aspergillus terreus*
 Peptide synthetase gene clusters
 Biosynthesis of paxilline
 Heterologous expression of biosynthetic gene clusters from lichenized
 fungi as a tool for discovery of novel compounds

C.R. Hutchinson (Univ. Wisconsin, Madison, WI)
 TBA
 B. Scott (Massey University, Palmerston N., NZ)
 V. Miao (Univ. British Columbia, Vancouver, Ca)

Symposium 30. Fungal plant interactions

Convenor: B.J. Howlett (Univ. Melbourne, Parkville, Vic.)

Colletotrichum genes involved in infection of *Stylosanthes*, a pasture
 legume
Leptosphaeria maculans, the causal agent of blackleg of canola
 Infection strategies of *Magnaporthe grisea*
 Mycorrhizal plant interactions
 Avirulence genes of *Rhynchosporium secalis*, the cause of barley scald
 One more topic

J.M. Manners (CSIRO Tropical Agriculture, Qld)
 B.J. Howlett (Univ. Melbourne, Parkville, Vic.)
 N.J. Talbot (Univ. of Exeter, UK)
 S. Smith (Univ. Adelaide, SA)
 W. Knogge (Max Planck Inst., Germany)