

The National Centre of Excellence in Youth Mental Health



Annual Report 2015



Orygen, The National Centre of Excellence in Youth Mental Health Annual Report 2015

© Orygen, The National Centre of Excellence in Youth Mental Health 2015

ISBN 978-1-920718-76-3

Locked Bag 10 Parkville VIC 3052 Australia

orygen.org.au



## Contents

### 2 About Orygen

- 4 Announcement of The National Centre of Excellence in Youth Mental Health
- 5 Chairman's Report
- 6 Executive Director's Report
- 8 2014-2015 Highlights
- 9 The Parkville Capital Campaign
- 10 Getting young people with mental ill-health back on track
- 12 EPPIC Forum 2015: Innovation in Application
- 13 RocKwiz Goes Mental
- 14 More highlights
- 16 headspace Craigieburn launched

### **18 Financial statements**

- **20** Publications
- **25** Get involved

# **About Orygen**

Orygen, The National Centre of Excellence in Youth Mental Health is the world's leading research and knowledge translation organisation focusing on mental ill-health in young people.

At Orygen, our leadership and staff work to deliver cutting-edge research, policy development, innovative clinical services, and evidence-based training and education to ensure that there is continuous improvement in the treatments and care provided to young people experiencing mental ill-health. Our work has created a new, more positive approach to the prevention and treatment of mental disorders, and has developed new models of care for young people with emerging disorders. This work has been translated into a worldwide shift in services and treatments to include a primary focus on getting well and staying well, and health care models that include partnership with young people and families.

- ••• **Orygen recognises** that young people come from diverse backgrounds and communities and we are committed to working in partnership with people of all backgrounds and with all communities to develop strategies that are responsive and inclusive.
- ••• Orygen acknowledges and recognises Aboriginal and Torres Strait Islander people as the traditional owners and custodians of the land we share and we are committed to working with Aboriginal and Torres Strait Islander people in our endeavours to improve the mental health and wellbeing of young Australians.

## Mission

To reduce the impact of mental ill-health on young people, their families and society.

## Vision

Young people enjoy optimal mental health as they grow into adulthood.

## History



## Announcement of The National Centre of Excellence in Youth Mental Health

We are delighted to announce that on October 8, Orygen Youth Health Research Centre officially became Orygen, The National Centre of Excellence in Youth Mental Health.

With an allocation of \$18 million over the next four years from the Australian Government to allow the establishment of the new Centre, this investment will enable Orygen to consolidate and build on its decades of expertise and continue to deliver cutting-edge research, innovative clinical services and evidence-based training to ensure that there is continuous improvement in the treatment and care provided to young people experiencing mental ill-health.

Speaking during the official announcement of the new Centre, Minister for Health, The Hon Peter Dutton MP, said that the \$18 million funding provided by the Australian Government to establish the Centre underlined the Coalition's strong commitment to finding new and innovative treatments for mental illness in young people, and reflects the importance of youth mental health in our community.

'This centre will play a lead role in reducing the impact of mental health disorders in young people and enabling them to live fuller lives,' Mr Dutton said. 'The National Centre of Excellence in Youth Mental Health will be an important feature of Australia's world-leading medical research landscape, ultimately, driving positive change for young Australians and their families.'

Professor Patrick McGorry AO, Executive Director of Orygen, responded, 'The announcement of the Centre is a watershed moment as we move to a national mandate for Orygen. We're focusing on new research, new treatments and new skills and knowledge for professionals working with young people around Australia. This investment and support for the Centre is a beacon of hope for young people living with mental ill-health. Drawing on a worldclass collective intellect, we will provide practical and innovative treatment solutions to better the lives of young people now and well into the future."

### 66

We're focusing on new research, new treatments and new skills and knowledge for professionals working with young people around Australia.



Professor Patrick McGorry and The Hon Peter Dutton MP sign the agreement

## Chairman's Report

#### Mr Peter Smedley Chairman

As Chairman of Orygen, it gives me great pleasure to be introducing The National Centre of Excellence in Youth Mental Health, an innovation that will build on Orygen's long-term commitment to delivering better outcomes for young people with mental ill-health.

Through their investment, the Australian Government has recognised the vital importance of intervening early to divert the course of mental ill-health in young people, and the crucial role that the development and delivery of new evidence-based treatments plays in this process. Our new national mandate is being delivered on by building and expanding our partnership work with organisations and individuals across the country to improve the lives of more young people than ever before.

As an organisation, we have had a lot to be proud of in 2014-2015. As well as transitioning to The National Centre of Excellence in Youth Mental Health, we were successful in securing a major commitment of funding from the Victorian State Government to contribute to a much-needed upgrade of the facilities at our primary site in Parkville, Victoria. More than just a building, these new premises will be a world-leading youth mental health clinical-research hub that will allow a more integrated and innovative approach to our work. In 2015-16 we will be implementing the strategies necessary to raise the additional funds required to deliver this capital project.

Our researchers continued their impressive output, with a number of new grants, high-profile publications, conference presentations and prestigious individual honours. Communicating our research findings is critical to driving positive change in the treatments and services that improve young peoples' mental health outcomes.

During 2014-15, we have continued to scale up our clinical services and have strengthened their quality and capacity through the development of an integrated clinical-governance framework across all our headspace sites. We are very proud of the service we can offer young people through these platforms.

With our enhanced national role we are now working with partners across the country to provide training, workforce and service development opportunities for those who work with young people. We are also collaborating with international partners to share the latest skills and knowledge in youth mental health care.

I would like to thank my fellow Board Members, the Executive and the staff for their dedicated efforts across the year and their continued passion to work toward better outcomes for young people with mental ill-health, their friends and families.

Quedins



66

Our new national mandate is being delivered on by building and expanding our partnership work with organisations and individuals across the country. 6

# Executive Director's Report

We have seen enormous advancement in mental health care for young people, taking it from the 19th into the 21st century.

Professor Patrick McGorry AO

#### **Professor Patrick McGorry AO** Executive Director

2014-2015 was a momentous year in the history of our organisation, which began its operations over 20 years ago in Parkville, Victoria. In that time we have seen enormous advancement in mental health care for young people, taking it from the 19th into the 21st century. In transitioning to become Australia's first National Centre of Excellence in Youth Mental Health, Orygen now has a unique opportunity to continue to drive this modernisation of the youth mental health paradigm and ensure we improve outcomes for young people.

Over the previous 15 years, all sides of politics have recognised the crucial importance of intervening early to reduce the impact of mental ill-health in young people. Over the previous year we have received key investments at both the Federal and State level, which demonstrate the value of the work we are conducting at Orygen. As well as the Australian Government's commitment of \$18 million over four years to establish and support The National Centre of Excellence in Youth Mental Health, the Victorian Labor Government has promised to deliver a crucial \$60 million of funding to support the development of our Parkville facilities into a world-leading clinical-research youth mental health hub. These investments, combined with additional investments from supporting stakeholders, will further enhance an environment that is creating the kind of innovative translational research that has seen Australia recognised a world-leader in youth mental health, and spawned new service cultures across Australia and around the world.

In 2014-2015 our researchers performed exceptionally well, contributing strongly to our global understanding of mental illhealth in young people. There were far too many individual achievements across the year to name, however I do want to make mention of the remarkable achievement of our Director of Research, Professor Helen Herrman, who this year was voted President Elect of the World Psychiatric Association, the first Australian to hold this position. We are also world leaders in personality disorders, mood disorders, vocational recovery, suicide prevention, the use of new technologies in mental health and of course early psychosis, notably prodromal or ultra high risk research and treatment. Our work in the neurobiology of onset of disorders is building capacity and momentum as well. We have strengthened existing partnerships and established new ones with key research centres around Australia and internationally, notably NDARC, the Brain and Mind Centre at the University of Sydney, the Institute of Psychiatry in London, the National Institute of Mental Health in Washington DC, the University of Heidelberg, and the ACCESS Youth Mental Health Research Program at McGill University in Montreal.

We have continued to host the Australian Early Psychosis Research Network and we are delighted that this important research network is continuing to grow and expand.

I have been especially delighted to observe and participate in the continued improvement of our Clinical Services over the previous year and the way these have been better integrated with our research program to ensure we stay at the forefront of developing and testing new treatments in mental health care. The previous year has also seen significant work from our Skills & Knowledge team in up-skilling the new clinical workforce in the hYEPP sites, the national program of early intervention psychosis services based on the EPPIC service, which was pioneered at Orygen. They have also been working hard to develop a range of new training materials and products for the youth mental health sector.

The 2015-2016 Federal Budget included a crucial investment in a trial of Individual Placement and Support (IPS) services to assist young people with an experience of mental ill-health to return to work or study. This trial, to be delivered through headspace sites, came about through a concerted advocacy effort from Orygen, based on the Tell Them They're Dreaming Report by Professor Eóin Killackey and his team. This is a perfect example of the sequence of high-quality research feeding skilled advocacy, and then scaling up of the new knowledge via our headspace platforms of care. Our Policy Think Tank has produced four more of these 'white paper' style policy documents and we will be preparing four more this year.

I would like to thank our Chair Peter Smedley, the whole Orygen Board, our highly committed Executive, our dedicated and creative staff and most importantly the young people, their family and friends who we work with for making 2014-2015 such a success. As we move into our second year of operation as The National Centre of Excellence in Youth Mental Health, I am enormously excited by the new opportunities we have to work with partners across the country, and indeed across the world, to get a better deal for young people with mental ill-health.

Potra D. Megany

8

# 2014 – 2015 Highlights

<sup>66</sup> I'm incredibly proud of Australia's contribution to youth mental health. Our research is well-referenced, and our services are replicated in many different countries.

Young person

## The Parkville Capital Campaign

Victoria is a world-leader in youth mental health. Countries all across the globe are basing mental health reforms on the treatment and service models we have created here at Orygen in Melbourne.

Orygen is carrying out crucial, cutting-edge work because mental health conditions and substance abuse disorders are now responsible for a staggering 60% of the burden of disease for 12-25 year olds.

Currently around 75% of young people with a diagnosable mental disorder have absolutely no access to health care. Numerous young people are ending up in situations with poor educational outcomes, substance use disorders, violence, neglect, and a whole range of other negative outcomes.

However, there is a fundamental issue that needs to be addressed. The walls of the largest international research institute in the world in youth mental health are literally falling in. If we don't address this structural crisis, the world-leading research and clinical work being done here at Orygen will be lost. We will risk losing our international leadership. Young people and their families will no longer be able to access the best quality mental health care in the world and most importantly of all, lives will be lost.

In October 2014 Orygen launched the Parkville Capital Campaign to address the urgent need for new facilities to house our major operational site in Melbourne, and one of the clinical sites of our partners Orygen Youth Health Clinical Program.

Following this investment other stakeholders have also contributed funding and in 2015-16 we will be implementing the strategies necessary to raise the additional funds required to deliver this capital project.

After their election victory and forming Government, the Premier confirmed his commitment to this funding and work has begun on the planning of what will be a world-leading youth mental health clinical-research hub that will create an optimal environment for further innovation in mental health care for young people.



The Hon Daniel Andrews MP with Professor Patrick McGorry at the announcement



## Getting young people with mental ill-health back on track

In the 2015 Federal Budget Orygen welcomed the commitment of \$330 million to improve employment outcomes for young Australians. In particular we support the targeted funding of \$19.4 million over four years for two support trials to help improve employment outcomes for young people up to the age of 25 with mental ill-heath.

One of these programs will trial the Individual Placement and Support (IPS) intervention for young people with an experience of mental ill-health in 15 locations around Australia.

Orygen has conducted significant research into the effectiveness of IPS services and found that these programs can support in excess of 85 percent of young people with severe mental illness to get back to work, education and training. Professor Eóin Killackey, Head of Functional Recovery Research at Orygen, is recognised as an international leader in vocational recovery services and his work forms the basis of the *Tell Them They're Dreaming* Report on Work, Education and Young People with Mental Illness in Australia. This report strongly supports IPS services as an effective and cost-effective way to return young people with an experience of mental ill-health to work or study and ensure less of these young people require the Disability Support Pension.

Orygen's strong advocacy in this area was crucial to this investment and we stand ready to work with the Australian Government and the mental health and employment service sectors to support young people with mental ill-health to pursue their vocational goals and live productive and contributing lives.



Professor Eóin Killackey, Head of Functional Recovery Research at Orygen



When I found work, it was like I had taken another step in my recovery journey. I have new friends, a purpose and some money! It's been really great.

Young person

## EPPIC Forum 2015: Innovation in Application

In March 2015 over 250 clinicians and managers joined us for the EPPIC Forum 2015: Innovation in Application at the Arts Centre Melbourne. It was a fantastic opportunity to share knowledge and speak with mental health workers and researchers working in early psychosis all around the country. Social workers, doctors, nurses, exercise physiologists, government officials, pharmacists and occupational therapists were all represented. The event featured leading mental health experts from around the world including Professor Robert Heinssen from the National Institute of Mental Health in the United States. Professor Eric Chen from the University of Hong Kong, and Professor Jan Scott from Newcastle University in the United Kingdom. The theme, 'Innovation in Application', reflected both the past and future of the early intervention model of care. In the last 25 years, the early intervention model has radically transformed how young people with a first episode of psychosis are treated, and it continues to evolve in response to research and clinical experience. Professor Patrick McGorry AO, the event host, reminded the audience, 'This is the current EPPIC model; in five years we may have a better one.'

It was particularly encouraging to be joined at the event by so many of our colleagues from the headspace Youth Early Psychosis Program. Orygen is providing expert training and support to these services as they are scaled up across the country.





Professor Eric Chen from the University of Hong Kong; Professor Jan Scott from Newcastle University in the United Kingdom



2014–2015 Highlights

## RocKwiz Goes Mental

Following the success of the inaugural event in 2013, the RocKwiz team came back in 2014 with another live spectacular show to support Orygen. 'RocKwiz Goes Mental' brought Julia Zemiro, Brian Nankervis, Dugald McAndrew and the RocKwiz Orkestra to the Melbourne Town Hall for an amazing night of music trivia, live performances and awareness raising for youth mental health. The event was RocKwiz's only live performance for 2014 and over 1500 people packed into the Town Hall to enjoy the shenanigans. We are very thankful to the team at Renegade Films, all the artists and volunteers who made the night an amazing success, which raised much needed funds for Orygen's work. 2014–2015 Highlights

# More highlights of 2014 - 2015

**Professor Helen Herrman** voted President Elect of the World Psychiatric Association

#### Key research accolades

**Dr Jo Robinson** receives NHMRC Early Career Development Fellowship

Associate Professor Mario Alvarez-Jimenez receives NHMRC Career Development Fellowship

**Dr Simon Rice** awarded Early Career Research Fellowship from The Society for Mental Health Research

**Dr Magenta Simmons** receives University of Melbourne Early Career Researcher Grant Associate Professor Barnaby Nelson awarded NARSAD Independent Investigator grant

**Professor Helen Herrman** awarded 5-year NHMRC Practitioner Fellowship

**Professor Paul Amminger** awarded 5-year NHMRC Research Fellowship

Paul Amminger, Andrew Chanen and Eóin Killackey are promoted to Professor

I am honoured to be President Elect and to have been entrusted by the General Assembly to help lead the charge toward the successful integration of psychiatry with health care and public health.

**Professor Helen Herrman** 



2014–2015 Highlights

## headspace Craigieburn launched

This year we officially launched headspace Craigieburn, the fourth headspace site operated by Orygen. The northern suburbs of Melbourne are a significant growth area and it is fantastic to be able to offer high-quality mental health care to young people in this community.

# **Financial statements**

# Statement of Comprehensive Income for Year Ended 30 June 2015

	2015	2014
	\$1000	\$.000
Revenue from ordinary activities	18,/84	12,666
Expenditure		
Consultancy	(817)	(945)
Depreciation	(483)	(367)
Occupancy	(663)	(437)
Salaries	(12,106)	(8,898)
Medical supplies, tests and practitioner payments	(1,333)	(918)
Other expenditure	(1,908)	(1,564)
Surplus/(deficit) for the period	1,474	(463)

## Sources of Revenue (Year Ended 30 June 2015)

.....



	\$'000	% of Total
<ul> <li>Commonwealth Grants</li> </ul>	6,331	34%
headspace National Funding	4,821	26%
Colonial Foundation	3,000	16%
Clinical Service Provision Income	1,204	6%
Young and Well CRC (Research)	1,025	5%
Infrastructure Income	718	4%
<ul> <li>Training Income &amp; Sale of Resources</li> </ul>	408	2%
Fundraising & Donations	361	2%
<ul> <li>Research Grants (International)</li> </ul>	229	1%
<ul> <li>Other</li> </ul>	687	4%
Total	18,784	100%

For a full copy of Orygen, The National Centre of Excellence in Youth Mental Health Special Purpose Statutory Financial Report for the year ended 30 June 2015, please see the Australian Charities and Not-for-profit Commission website www.acnc.gov.au

## Statement of Financial Position for Year Ended 30 June 2015

.....

	2015	2014
ASSETS	\$'000	\$'000
Current assets		
Cash	5,169	5,669
Trade and other receivables	2,830	2,373
Prepayments	66	132
Inventory	89	8
Total current assets	8,154	8,182
Non-current assets		
Property, plant and equipment	1,679	1,837
Total non-current assets	1,679	1,837
Total assets	9,833	10,019
LIABILITIES		
Current liabilities		
Trade and other payables	2,764	4,429
Provision for employee entitlements	203	92
Total current liabilities	2,967	4,521
Non-current liabilities		
Trade and other payables	811	992
Provision for employee entitlements	102	27
Total non-current liabilities	913	1,019
Total liabilities	3,880	5,540
Net assets	5,953	4,479
EQUITY*		
Share capital	-	-
Retained surplus/(deficit)	3,572	3,149
Unexpended funds reserve	2,381	1,330
Total equity	5,953	4,479

\* Equity includes project funds received in the year ended 30 June 2015, but committed to expenditure in future financial years.

# Publications

July 2014 - June 2015

#### **Journal articles**

#### A

Aggarwal S, Angus B. 2015. Misdiagnosis versus missed diagnosis: diagnosing autism spectrum disorder in adolescents. Australasian Psychiatry 23(2):120-123. Aggarwal S, Berk M. 2015. Evolution of adolescent mental health in a rapidly changing socioeconomic environment: A review of mental health studies in adolescents in India over last 10 years. Asian J Psychiatr 13:3-12.

Allott KA, Rapado-Castro M, Proffitt TM, Bendall S, Garner B, Butselaar F, Markulev C, Phassouliotis C, McGorry PD, Wood SJ, Cotton SM, Phillips LJ. 2015. The impact of neuropsychological functioning and coping style on perceived stress in individuals with first-episode psychosis and healthy controls. Psychiatry Res 226(1):128-35.

Allott KA, Rice S, Bartholomeusz CF, Klier C, Schlogelhofer M, Schafer MR, Amminger GP. 2015. Emotion recognition in unaffected first-degree relatives of individuals with first-episode schizophrenia. Schizophrenia Research 161(2-3):322-8.

Amie CH, Williams LJ, Kennedy GA, Berk M, Brennan SL, Pasco JA. 2014. Excessive daytime sleepiness and body composition: A population-based study of adults. PLoS ONE 9(11).

Amminger GP, Mechelli A, Rice S, Kim SW, Klier CM, McNamara RK, Berk M, McGorry PD, Schäfer MR. 2015. Predictors of treatment response in young people at ultra-high risk for psychosis who received long-chain omega-3 fatty acids. Transl Psychiatry 5(1):e495-.

Ansell BRE, Dwyer DB, Wood SJ, Bora E, Brewer WJ, Proffitt TM, Velakoulis D, McGorry PD, Pantelis C. 2015. Divergent effects of first-generation and secondgeneration antipsychotics on cortical thickness in firstepisode psychosis. Psychol Med 45(3):515-527.

#### В

Bailey AP, Parker AG, Colautti LA, Hart LM, Liu P, Hetrick SE. 2014. Mapping the evidence for the prevention and treatment of eating disorders in young people. Journal of Eating Disorders 2:5.

Baker ST, Lubman DI, Yucel M, Allen NB, Whittle S, Fulcher BD, Zalesky A, Fornito A. 2015. Developmental Changes in Brain Network Hub Connectivity in Late Adolescence. J Neurosci 35(24):9078-87.

Baksheev GN, Sullivan D, Fraser R, Greenwood-Smith C, McCarthy J, Reid D, Lemphers A, Purcell R. 2015. Characteristics of Mentally Disordered Youth Referred to a Forensic Satellite Clinic for Violence Risk Assessment: A Case Control Study. Psychiatry Psychology and Law 22(2):235-246.

Bartholomeusz CF, Whittle SL, Pilioussis E, Allott K, Rice S, Schafer MR, Pantelis C, Amminger GP. 2014. Relationship between amygdala volume and emotion recognition in adolescents at ultra-high risk for psychosis. Psychiatry Research 224(3):159-67.

Batterham PJ, Ftanou M, Pirkis J, Brewer JL, Mackinnon AJ, Beautrais A, Fairweather-Schmidt AK, Christensen H. 2015. A Systematic Review and Evaluation of Measures for Suicidal Ideation and Behaviors in Population-Based Research. Psychological Assessment 27(2):501-512.

Batterham PJ, Sunderland M, Calear AL, Davey CG, Christensen H, Teesson M, Kay-Lambkin F, Andrews G, Mitchell PB, Herrman H, Butow PN, Krouskos D. 2015. Developing a roadmap for the translation of e-mental health services for depression. Aust N Z J Psychiatry:1-9.

Bauer M, Glenn T, Alda M, Andreassen OA, Angelopoulos E, Ardau R, Baethge C, Bauer R, Bellivier F, Belmaker RH, Berk M, Bjella TD, Bossini L, Bersudsky Y, Cheung EYW, Conell J, Zompo MD, Dodd S, Etain B, Fagiolini A, Frye MA, Fountoulakis KN, Garneau-Fournier J, González-Pinto A, Harima H, Hassel S, Henry C, Iacovides A, Isometsä ET, Kapczinski F, Kliwicki S, König B, Krogh R, Kunz M, Lafer B, Larsen ER, Lewitzka U, Lopez-Jaramillo C, Macqueen G, Manchia M, Marsh W, Martinez-Cengotitabengoa M, Melle I, Monteith S, Morken G, Munoz R, Nery FG, O'Donovan C, Osher Y, Pfennig A, Quiroz D, Ramesar R, Rasgon N, Reif A, Ritter P, Rybakowski JK, Sagduyu K, Scippa ÂM, Severus E, Simhandl C, Stein DJ, Strejilevich S, Hatim Sulaiman A, Suominen K, Tagata H, Tatebayashi Y, Torrent C, Vieta E, Viswanath B, Wanchoo MJ, Zetin M, Whybrow PC. 2014. Relationship between sunlight and the age of onset of bipolar disorder: An international multisite study. Journal of Affective Disorder 167:104-111.

Bauer M, Glenn T, Alda M, Andreassen OA, Angelopoulos E, Ardau R, Baethge C, Bauer R, Baune BT, Bellivier F, Belmaker RH, Berk M, Bjella TD, Bossini L, Bersudsky Y, Wo Cheung EY, Conell J, Del Zompo M, Dodd S, Etain B, Fagiolini A, Frye MA, Fountoulakis KN, Garneau-Fournier J, Gonzalez-Pinto A, Gottlieb JF, Harima H, Hassel S, Henry C, lacovides A, Isometsa ET, Kapczinski F, Kliwicki S, Konig B, Krogh R, Kunz M, Lafer B, Larsen ER, Lewitzka U, Lopez-Jaramillo C, MacQueen G, Manchia M, Marsh W, Martinez-Cengotitabengoa M, Melle I, Monteith S, Morken G, Munoz R, Nery FG, O'Donovan C, Osher Y, Pfennig A, Quiroz D, Ramesar R, Rasgon N, Reif A, Ritter P, Rybakowski JK, Sagduyu K, Miranda-Scippa A, Severus E, Simhandl C, Stein DJ, Strejilevich S, Sulaiman AH, Suominen K, Tagata H, Tatebayashi Y, Torrent C, Vieta E, Viswanath B, Wanchoo MJ, Zetin M, Whybrow PC. 2015. Influence of light exposure during early life on the age of onset of bipolar disorder. J Psychiatr Res 64:1-8.

Bauer M, Glenn T, Alda M, Andreassen OA, Angelopoulos E, Ardau R, Baethge C, Bauer R, Bellivier F, Belmaker RH, Berk M, Bjella TD, Bossini L, Bersudsky Y, Cheung EY, Conell J, Del Zompo M, Dodd S, Etain B, Fagiolini A, Frye MA, Fountoulakis KN, Garneau-Fournier J, Gonzalez-Pinto A, Harima H, Hassel S, Henry C, lacovides A, Isometsa ET, Kapczinski F, Kliwicki S, Konig B, Krogh R, Kunz M, Lafer B, Larsen ER, Lewitzka U, Lopez-Jaramillo C, MacQueen G, Manchia M, Marsh W, Martinez-Cengotitabengoa M, Melle I, Monteith S, Morken G, Munoz R, Nery FG, O'Donovan C, Osher Y, Pfennig A, Quiroz D, Ramesar R, Rasgon N, Reif A, Ritter P, Rybakowski JK, Sagduyu K, Scippa AM, Severus E, Simhandl C, Stein DJ, Strejilevich S, Hatim Sulaiman A, Suominen K, Tagata H, Tatebayashi Y, Torrent C, Vieta E, Viswanath B, Wanchoo MJ, Zetin M, Whybrow PC. 2015. Influence of birth cohort on age of onset cluster analysis in bipolar I disorder. European Psychiatry 30(1):99-105.

Berk M, Nierenberg AA. 2015. Three paths to drug discovery in psychiatry. Am J Psychiatry 172(5):412-414.

Berk M, Williams LJ, Andreazza AC, Pasco JA, Dodd S, Jacka FN, Moylan S, Reiner EJ, Magalhaes PV. 2014. Pop, heavy metal and the blues: secondary analysis of persistent organic pollutants (POP), heavy metals and depressive symptoms in the NHANES National Epidemiological Survey. BMJ Open 4(7):e005142.

Berk M. 2014. Navigating therapeutic waters with a faulty diagnostic compass. Australian and New Zealand Journal of Psychiatry 48(12):1075-6.

Bora E, Lin A, Wood SJ, Yung AR, McGorry PD, Pantelis C. 2014. Cognitive deficits in youth with familial and clinical high risk to psychosis: a systematic review and meta-analysis. Acta Psychiatrica Scandinavia 130(1):1-15.

Bortolasci CC, Maes M, Vargas HO, Souza-Nogueira A, Moreira EG, Nunes SOV, Berk M, Dodd S, Barbosa DS. 2014. Paraoxonase 1 status and interactions between Q192R functional genotypes by smoking contribute significantly to total plasma radical trapping antioxidant potential. Neuroscience Letters 581:46-51.

Bortolasci CC, Vargas HO, Souza-Nogueira A, Moreira EG, Nunes SOV, Berk M, Dodd S, Barbosa DS, Maes M. 2014. Paraoxonase (PON)1 Q192R functional genotypes and PON1 Q192R genotype by smoking interactions are risk factors for the metabolic syndrome, but not overweight or obesity. Redox Report 19(6):232-241.

Bortolasci CC, Vargas HO, Vargas Nunes SO, de Melo LG, de Castro MR, Moreira EG, Dodd S, Barbosa DS, Berk M, Maes M. 2015. Factors influencing insulin resistance in relation to atherogenicity in mood disorders, the metabolic syndrome and tobacco use disorder. J Affect Disord 179:148-155.

Bowman S, Alvarez-Jimenez M, Wade D, Howie L, McGorry P. 2014. The impact of first episode psychosis on sibling quality of life. Social Psychiatry and Psychiatric Epidemiology 49(7):1071-81.

Bowman S, Alvarez-Jimenez M, Wade D, McGorry P, Howie L. 2014. Forgotten family members: the importance of siblings in early psychosis. Early Intervention in Psychiatry 8(3):269-275.

Brewer WJ, Lambert TJ, Witt K, Dileo J, Duff C, Crlenjak C, McGorry PD, Murphy BP. 2015. Intensive case management for high-risk patients with first-episode psychosis: Service model and outcomes. The Lancet Psychiatry 2(1):29-37.

Bunce D, Batterham PJ, Christensen H, Mackinnon AJ. 2014. Causal associations between depression symptoms and cognition in a community-based cohort of older adults. The American Journal of Geriatric Psychiatry 22(12):1583-91.

#### Ċ

Carvalho AF, McIntyre RS, Dimelis D, Gonda X, Berk M, Nunes-Neto PR, Cha DS, Hyphantis TN, Angst J, Fountoulakis KN. 2014. Predominant polarity as a course specifier for bipolar disorder: A systematic review. Journal of Affective Disorders 163C:56-64.

Carvalho AF, Miskowiak KK, Hyphantis TN, Kohler CA, Alves GS, Bortolato B, Sales PMG, Machado-Vieira R, Berk M, McIntyre RS. 2014. Cognitive Dysfunction in Depression - Pathophysiology and Novel Targets. Cns & Neurological Disorders-Drug Targets 13(10):1819-1835.

Carvalho AF, Rocha DQ, McIntyre RS, Mesquita LM, Kohler CA, Hyphantis TN, Sales PM, Machado-Vieira R, Berk M. 2014. Adipokines as emerging depression biomarkers: a systematic review and meta-analysis. Journal of Psychiatric Research 59:28-37. Chambers R, Gullone E, Hassed C, Knight W, Garvin T, Allen N. 2015. Mindful Emotion Regulation Predicts Recovery in Depressed Youth. Mindfulness 6(3):523-534.

Cheetham A, Allen NB, Schwartz O, Simmons JG, Whittle S, Byrne ML, Sheeber L, Lubman DI. 2015. Affective Behavior and Temperament Predict the Onset of Smoking in Adolescence. Psychology of Addictive Behaviors 29(2):347-354.

Christensen H, Batterham P, Mackinnon A, Griffiths KM, Hehir KK, Kenardy J, Gosling J, Bennett K. 2014. Prevention of Generalized Anxiety Disorder Using a Web Intervention, iChill: Randomized Controlled Trial. Journal of medical Internet research 16(9).

Christensen H, Batterham PJ, Mackinnon AJ, Donker T, Soubelet A. 2014. Predictors of the risk factors for suicide identified by the interpersonal-psychological theory of suicidal behaviour. Psychiatry Research 219(2):290-297.

Conus P, Macneil C, McGorry PD. 2014. Public health significance of bipolar disorder: implications for early intervention and prevention. Bipolar Disorders 16(5):548-56.

Cotter J, Drake RJ, Bucci S, Firth J, Edge D, Yung AR. 2014. What drives poor functioning in the at-risk mental state? A systematic review. Schizophr Res 159(2-3):267-77.

Cox GR, Callahan P, Churchill R, Hunot V, Merry SN, Parker AG, Hetrick SE. 2014. Psychological therapies versus antidepressant medication, alone and in combination for depression in children and adolescents. Cochrane Database of Systematic Reviews(11):130.

#### D

Daglas R, Conus P, Cotton SM, Macneil CA, Hasty MK, Kader L, Berk M, Hallam KT. 2014. The impact of past direct-personal traumatic events on 12-month outcome in first episode psychotic mania: trauma and early psychotic mania. Aust N Z J Psychiatry 48(11):1017-24.

Daglas R, Yucel M, Cotton S, Allott K, Hetrick S, Berk M. 2015. Cognitive impairment in first-episode mania: a systematic review of the evidence in the acute and remission phases of the illness. Int J Bipolar Disord 3(1):1-18.

Dandash O, Fornito A, Daglas R, Pantelis C, McGorry P, Berk M, Yucel M. 2015. Differential effect of lithium and Quetiapine on brain corticostriatal networks restingstate connectivity in first episode mania patients. Bipolar Disorders 17:109-109.

Dash S, Clarke G, Berk M, Jacka FN. 2015. The gut microbiome and diet in psychiatry: focus on depression. Current Opinion in Psychiatry 28(1):1-6.

Davey CG, Chanen AM, Cotton SM, Hetrick SE, Kerr MJ, Berk M, Dean OM, Yuen K, Phelan M, Ratheesh A, Schafer MR, Amminger GP, Parker AG, Piskulic D, Harrigan S, Mackinnon AJ, Harrison BJ, McGorry PD. 2014. The addition of fluoxetine to cognitive behavioural therapy for youth depression (YoDA-C): study protocol for a randomised control trial. Trials 15(1):425.

Davey CG, Whittle S, Harrison BJ, Simmons JG, Byrne ML, Schwartz OS, Allen NB. 2015. Functional brainimaging correlates of negative affectivity and the onset of first-episode depression. Psychological Medicine 45(5):1001-1009.

Davis J, Maes M, Andreazza A, McGrath JJ, Tye SJ, Berk M. 2015. Towards a classification of biomarkers of neuropsychiatric disease: from encompass to compass. Molecular Psychiatry 20(2):152-153. de Castro MRP, Nunes SOV, Guembarovski RL, Ariza CB, Oda JMM, Vargas HO, de Melo LGP, Watanabe MAE, Berk M, Maes M. 2015. STin2 VNTR polymorphism is associated with comorbid tobacco use and mood disorders. Journal of Affective Disorders 172:347-354.

Dean OM, Maes M, Ashton M, Berk L, Kanchanatawan B, Sughondhabirom A, Tangwongchai S, Ng C, Dowling N, Malhi GS, Berk M. 2014. Protocol and Rationale-The Efficacy of Minocycline as an Adjunctive Treatment for Major Depressive Disorder: A Double Blind, Randomised, Placebo Controlled Trial. Clin Psychopharmacol Neurosci 12(3):180-188.

Dean OM, Turner A, Malhi GS, Ng C, Cotton SM, Dodd S, Sarris J, Samuni Y, Tanious M, Dowling N, Waterdrinker A, Smith D, Berk M. 2015. Design and rationale of a 16-week adjunctive randomized placebo-controlled trial of mitochondrial agents for the treatment of bipolar depression. Rev Bras Psiquiatr 37(1):3-12.

Debnath M, Venkatasubramanian G, Berk M. 2015. Fetal programming of schizophrenia: Select mechanisms. Neuroscience and Biobehavioral Review 49c:90-104.

Dennison M, Whittle S, Yucel M, Byrne ML, Schwartz O, Simmons JG, Allen NB. 2015. Trait positive affect is associated with hippocampal volume and change in caudate volume across adolescence. Cognitive Affective & Behavioral Neuroscience 15(1):80-94.

Dipnall JF, Berk M, Jacka FN, Williams LJ, Dodd S, Pasco JA. 2014. Data Integration Protocol In Ten-steps (DIPIT): A new standard for medical researchers. Methods 69(3):237-246.

Dipnall JF, Pasco JA, Meyer D, Berk M, Williams LJ, Dodd S, Jacka FN. 2015. The association between dietary patterns, diabetes and depression. J Affect Disord 174:215-224.

Dodd S, Berk M, Kelin K, Zhang Q, Eriksson E, Deberdt W, Craig Nelson J. 2014. Application of the Gradient Boosted method in randomised clinical trials: Participant variables that contribute to depression treatment efficacy of duloxetine, SSRIs or placebo. Journal of Affective Disorders 168:284-293.

Dunkley JE, Bates GW, Findlay BM. 2015. Understanding the trauma of first-episode psychosis. Early Intervention in Psychiatry 9(3):211-220.

Dunkley JE, Bates GW. 2015. Recovery and adaptation after first-episode psychosis: The relevance of posttraumatic growth. Psychosis-Psychological Social and Integrative Approaches 7(2):130-140.

Dwyer DB, Harrison BJ, Yucel M, Whittle S, Zalesky A, Pantelis C, Allen NB, Fornito A. 2014. Large-scale brain network dynamics supporting adolescent cognitive control. The Journal of Neuroscience 34(42):14096-107.

#### F

Fedyszyn IE, Robinson J, Harris MG, Paxton SJ, Francey S, Edwards J. 2014. Suicidal behaviours during treatment for first-episode psychosis: Towards a comprehensive approach to service-based prevention. Early Intervention in Psychiatry 8(4):387-395.

Fernandes BS, Berk M, Turck CW, Steiner J, Goncalves CA. 2014. Letter: Decreased peripheral brain-derived neurotrophic factor levels are a biomarker of disease activity in major psychiatric disorders: a comparative meta-analysis. Molecular Psychiatry 19(7):749-751. Firth J, Cotter J, Elliott R, French P, Yung AR. 2015. A systematic review and meta-analysis of exercise interventions in schizophrenia patients. Psychological Medicine 45(7):1343-1361.

Foley DL, Mackinnon A. 2014. A systematic review of antipsychotic drug effects on human gene expression related to risk factors for cardiovascular disease. Pharmacogenomics Journal 14(5):446-451.

#### G

Gairns S, Alvarez-Jimenez M, Hulbert C, McGorry P, Bendall S. 2015. Perceptions of clinicians treating young people with first-episode psychosis for post-traumatic stress disorder. Early Intervention in Psychiatry 9(1):12-20.

Galecki P, Talarowska M, Anderson G, Berk M, Maes M. 2015. Mechanisms underlying neurocognitive dysfunctions in recurrent major depression. Med Sci Monit 21:1535-47.

Ganella DE, Allen NB, Simmons JG, Schwartz O, Kim JH, Sheeber L, Whittle S. 2015. Early life stress alters pituitary growth during adolescence-A longitudinal study. Psychoneuroendocrinology 53:185-94.

Garfield JB, Allen NB, Cheetham A, Simmons JG, Lubman DI. 2015. Attention to pleasant stimuli in early adolescence predicts alcohol-related problems in midadolescence. Biol Psychol 108:43-50.

Ghanizadeh A, Berk M. 2015. Beta-lactam antibiotics as a possible novel therapy for managing epilepsy and autism, a case report and review of literature. Iranian Journal of Child Neurology 9(1):99-102.

Ghanizadeh A, Rezaee Z, Dehbozorgi S, Berk M, Akhondzadeh S. 2014. Lovastatin for the adjunctive treatment of schizophrenia: a preliminary randomized double-blind placebo-controlled trial. Psychiatry Research 219(3):431-5.

Gilchrist G, Davidson S, Middleton A, Herrman H, Hegarty K, Gunn J. 2015. Factors associated with smoking and smoking cessation among primary care patients with depression: A naturalistic cohort study. Advances in Dual Diagnosis 8(1):18-28.

González-Blanch C, Gleeson JF, Cotton SM, Crisp K, McGorry PD, Alvarez-Jimenez M. 2015. Longitudinal relationship between expressed emotion and cannabis misuse in young people with first-episode psychosis. European Psychiatry 30(1):20-25.

Gonzalez-Blanch C, Gleeson JF, Koval P, Cotton SM, McGorry PD, Alvarez-Jimenez M. 2015. Social Functioning Trajectories of Young First-Episode Psychosis Patients with and without Cannabis Misuse: A 30-Month Follow-Up Study. PLoS ONE 10(4):e0122404.

Gulliver A, Griffiths KM, Mackinnon A, Batterham PJ, Stanimirovic R. 2015. The mental health of Australian elite athletes. J Sci Med Sport 18(3):255-61.

#### H

Hahn LA, Galletly CA, Foley DL, Mackinnon A, Watts GF, Castle DJ, Waterreus A, Morgan VA. 2014. Inadequate fruit and vegetable intake in people with psychosis. Aust N Z J Psychiatry 48(11):1025-35.

Hartmann JA, Carney CE, Lachowski A, Edinger JD. 2015. Exploring the construct of subjective sleep quality in patients with insomnia. J Clin Psychiatry 76(6):e768-73. Hartmann JA, Wichers M, Menne-Lothmann C, Kramer I, Viechtbauer W, Peeters F, Schruers KRJ, van Bemmel AL, Myin-Germeys I, Delespaul P, van Os J, Simons CJP. 2015. Experience Sampling-Based Personalized Feedback and Positive Affect: A Randomized Controlled Trial in Depressed Patients. Plos One 10(6).

Haug E, Oie M, Andreassen OA, Bratlien U, Nelson B, Aas M, Moller P, Melle I. 2015. Anomalous selfexperience and childhood trauma in first-episode schizophrenia. Comprehensive Psychiatry 56:35-41.

Hayley AC, Williams LJ, Kennedy GA, Berk M, Brennan SL, Pasco JA. 2015. Excessive daytime sleepiness and metabolic syndrome: a cross-sectional study. Metabolism 64(2):244-252.

Hayley AC, Williams LJ, Venugopal K, Kennedy GA, Berk M, Pasco JA. 2015. The relationships between insomnia, sleep apnoea and depression: Findings from the American National Health and Nutrition Examination Survey, 2005-2008. Australian and New Zealand Journal of Psychiatry 49(2):156-170.

Heinze K, Reniers R, Nelson B, Yung AR, Lin A, Harrison BJ, Pantelis C, Velakoulis D, McGorry PD, Wood SJ. 2015. Discrete Alterations of Brain Network Structural Covariance in Individuals at Ultra-High Risk for Psychosis. Biological Psychiatry 77(11):989-996.

Herrman H. 2014. Early intervention as a priority for world psychiatry. Early Intervention in Psychiatry 8(4):305-6.

Herrman H. 2015. Australian and new zealand psychiatry and the world psychiatric association. Australas Psychiatry 23(3):207-8.

Herrman H. 2015. Protecting the mental health of women in the perinatal period. The Lancet Psychiatry 2(2):116-118.

Hetrick SE, Cox GR, Fisher CA, Bhar SS, Rice SM, Davey CG, Parker AG. 2015. Back to basics: could behavioural therapy be a good treatment option for youth depression? A critical review. Early Intervention in Psychiatry 9(2):93-99.

Hetrick SE, Cox GR, Merry SN. 2015. Where to Go from Here? An Exploratory Meta-Analysis of the Most Promising Approaches to Depression Prevention Programs for Children and Adolescents. Int J Environ Res Public Health 12(5):4758-4795.

Hetrick SE, Dellosa MK, Simmons MB, Phillips L. 2015. Development and pilot testing of an online monitoring tool of depression symptoms and side effects for young people being treated for depression. Early Intervention in Psychiatry 9(1):66-9.

Hides L, Kavanagh DJ, Daglish M, Cotton S, Connor JP, Barendregt JJ, Young RM, Sanders D, White A, Mergard L. 2014. The Quik Fix study: a randomised controlled trial of brief interventions for young people with alcohol-related injuries and illnesses accessing emergency department and crisis support care. BMC Emergency Medicine 14:19.

Hoffmann TC, Légaré F, Simmons MB, McNamara K, McCaffery K, Trevena LJ, Hudson B, Glasziou PP, Del Mar CB. 2014. Letter: Shared decision making: What do clinicians need to know and why should they bother? Medical Journal of Australia 201(1):35-39.

#### Ĵ

Jansen JE, Gleeson J, Cotton S. 2015. Towards a better understanding of caregiver distress in early psychosis: A systematic review of the psychological factors involved. Clinical Psychology Review 35:59-66.

Jia HX, Yang JM, Zhu H, Liu J, Barnaby N. 2015. Selfface recognition in the ultra-high risk for psychosis population. Early Intervention in Psychiatry 9(2):126-132.

#### K

Kaess M, Brunner R, Chanen A. 2014. Borderline Personality Disorder in Adolescence. Pediatrics 134(4):782-793.

Kapczinski F, Magalhaes PVS, Balanza-Martinez V, Dias VV, Frangou S, Gama CS, Gonzalez-Pinto A, Grande I, Ha K, Kauer-Sant'Anna M, Kunz M, Kupka R, Leboyer M, Lopez-Jaramillo C, Post RM, Rybakowski JK, Scott J, Strejilevitch S, Tohen M, Vazquez G, Yatham L, Vieta E, Berk M. 2014. Staging systems in bipolar disorder: an International Society for Bipolar Disorders Task Force Report. Acta Psychiatrica Scandinavia 130(5):354-363.

Kerestes R, Harrison BJ, Dandash O, Stephanou K, Whittle S, Pujol J, Davey CG. 2015. Specific functional connectivity alterations of the dorsal striatum in young people with depression. NeuroImage: Clinical 7:266-272.

Killackey E. 2015. Early Intervention in Psychiatry: Early Intervention of Nearly Everything for Better Mental Health. Early Intervention in Psychiatry 9(3):268-268.

Kim SW, Berk L, Kulkarni J, Dodd S, de Castella A, Fitzgerald PB, Amminger GP, Berk M. 2014. Impact of comorbid anxiety disorders and obsessive-compulsive disorder on 24-month clinical outcomes of bipolar I disorder. Journal of Affective Disorders 166:243-248.

Kim SW, Jeong BO, Kim JM, Shin IS, Hwang MY, Paul Amminger G, Nelson B, Berk M, McGorry P, Yoon JS. 2015. Associations of obsessive-compulsive symptoms with clinical and neurocognitive features in schizophrenia according to stage of illness. Psychiatry Res 226(1):368-75.

Kim SW, Schafer MR, Klier CM, Berk M, Rice S, Allott K, Bartholomeusz CF, Whittle SL, Pilioussis E, Pantelis C, McGorry PD, Amminger GP. 2014. Relationship between membrane fatty acids and cognitive symptoms and information processing in individuals at ultra-high risk for psychosis. Schizophrenia Research 158(1-3):39-44.

Klauser P, Fornito A, Lorenzetti V, Davey CG, Dwyer DB, Allen NB, Yucel M. 2015. Cortico-limbic network abnormalities in individuals with current and past major depressive disorder. Journal of Affective Disorders 173:45-52.

#### L

Lauder S, Chester A, Castle D, Dodd S, Gliddon E, Berk L, Chamberlain J, Klein B, Gilbert M, Austin DW, Berk M. 2015. A randomized head to head trial of MoodSwings.net.au: an Internet based self-help program for bipolar disorder. Journal of Affective Disorders 171:13-21.

Leach LS, Christensen H, Mackinnon A. 2014. Pregnancy and levels of depression and anxiety: A prospective cohort study of Australian women. Australian and New Zealand Journal of Psychiatry 48(10):944-951.

Leach LS, Mackinnon A, Poyser C, Fairweather-Schmidt AK. 2015. Depression and anxiety in expectant and new fathers: longitudinal findings in Australian men. British Journal of Psychiatry 206(6):471-478.

Leitan ND, Michalak EE, Berk L, Berk M, Murray G. 2015. Optimizing delivery of recovery-oriented online self-management strategies for bipolar disorder: A review. Bipolar Disorders 17(2):115-127.

Lin A, Brewer WJ, Yung AR, Nelson B, Pantelis C, Wood SJ. 2015. Olfactory identification deficits at identification as ultra-high risk for psychosis are associated with poor functional outcome. Schizophrenia Research 161(2-3):156-62. Lin A, Wood SJ, Nelson B, Beavan A, McGorry P, Yung AR. 2015. Outcomes of nontransitioned cases in a sample at ultra-high risk for psychosis. Am J Psychiatry 172(3):249-58.

Little K, Olsson CA, Whittle S, Youssef GJ, Byrne ML, Simmons JG, Yücel M, Foley DL, Allen NB. 2014. Association between serotonin transporter genotype, brain structure and adolescent-onset major depressive disorder: A longitudinal prospective study. Translational Psychiatry 4(9):e445.

Liu SS, Ma X, Yin MY, Zhu H, Zhao YH, Barnaby N, Liu J, Jia HX. 2014. Neuropsychological impairment: the disturbed effect of self-processing in patients with major depressive disorder. Chinese Science Bulletin 59(28):3595-3601.

Livheim F, Hayes L, Ghaderi A, Magnusdottir T, Hogfeldt A, Rowse J, Turner S, Hayes SC, Tengstrom A. 2015. The Effectiveness of Acceptance and Commitment Therapy for Adolescent Mental Health: Swedish and Australian Pilot Outcomes. Journal of Child and Family Studies 24(4):1016-1030.

Lockley A, Cheung YTD, Cox G, Robinson J, Williamson M, Harris M, Machlin A, Moffat C, Pirkis J. 2014. Preventing Suicide at Suicide Hotspots: A Case Study from Australia. Suicide and Life-Threatening Behavior 44(4):392-407.

#### M

Mancuso SG, Morgan VA, Mitchell PB, Berk M, Young A, Castle DJ. 2015. A comparison of schizophrenia, schizoaffective disorder, and bipolar disorder: Results from the Second Australian national psychosis survey. Journal of Affective Disorders 172:30-37.

Marion-Veyron R, Lambert M, Cotton SM, Schimmelmann BG, Gravier B, McGorry PD, Conus P. 2015. History of offending behavior in first episode psychosis patients: A marker of specific clinical needs and a call for early detection strategies among young offenders. Schizophrenia Research 161(2-3):163-8.

Martin-Subero M, Berk L, Dodd S, Kamalesh V, Maes M, Kulkarni J, De Castella A, Fitzgerald PB, Berk M. 2014. Quality of life in bipolar and schizoaffective disorder - A naturalistic approach. Comprehensive Psychiatry 55(7):1540-1545.

McGorry P, Keshavan M, Goldstone S, Amminger P, Allott K, Berk M, Lavoie S, Pantelis C, Yung A, Wood S, Hickie I. 2014. Biomarkers and clinical staging in psychiatry. World Psychiatry 13(3):211-23.

McGorry PD, Rickwood DJ, Hickie IB. 2015. Let children cry. Med J Aust 202(8):418.

McGorry PD. 2014. Editorial: Beyond Psychosis Risk: Early Clinical Phenotypes in Mental Disorder and the Subthreshold Pathway to Safe, Timely and Effective Care. Psychopathology 47(5):285-286.

McGorry PD. 2015. Australian Early Psychosis Research Network: national collaboration, international competitive advantage. Medical Journal of Australia 202(4):170-1.

McGorry PD. 2015. Early intervention in psychosis: Obvious, effective, overdue. Journal of Nervous and Mental Disease 203(5):310-318.

McMahon J, Lawn S, Chanen A. 2015. What can people with a diagnosis of BPD teach us? Australian and New Zealand Journal of Psychiatry 49:58-58.

Milner AJ, Carter G, Pirkis J, Robinson J, Spittal MJ. 2015. Letters, green cards, telephone calls and postcards: Systematic and meta-analytic review of brief contact interventions for reducing self-harm, suicide attempts and suicide. British Journal of Psychiatry 206(3):184-190. Moeller-Saxone K, Davis E, Stewart DE, Diaz-Granados N, Herrman H. 2015. Promoting resilience in adults with experience of intimate partner violence or child maltreatment: a narrative synthesis of evidence across settings. J Public Health (Oxf) 37(1):125-37.

Morgan VA, McGrath JJ, Jablensky A, Badcock JC, Waterreus A, Bush R, Carr V, Castle D, Cohen M, Galletly C, Harvey C, Hocking B, McGorry P, Neil AL, Saw S, Shah S, Stain HJ, Mackinnon A. 2014. Psychosis prevalence and physical, metabolic and cognitive co-morbidity: data from the second Australian national survey of psychosis. Psychological Medicine 23:1-14.

Morris G, Anderson G, Dean O, Berk M, Galecki P, Martin-Subero M, Maes M. 2014. The Glutathione System: A New Drug Target in Neuroimmune Disorders. Molecular Neurobiology 50(3):1059-1084.

Morris G, Berk M, Walder K, Maes M. 2015. Central pathways causing fatigue in neuro-inflammatory and autoimmune illnesses. BMC Medicine 13(1).

Morris G, Berk M. 2015. The many roads to mitochondrial dysfunction in neuroimmune and neuropsychiatric disorders. Bmc Medicine 13(1):68.

Moylan S, Berk M, Dean OM, Samuni Y, Williams LJ, O'Neil A, Hayley AC, Pasco JA, Anderson G, Jacka FN, Maes M. 2014. Oxidative & nitrosative stress in depression: Why so much stress? Neuroscience and Biobehavioral Reviews 45:46-62.

Moylan S, Gustavson K, Overland S, Karevold EB, Jacka FN, Pasco JA, Berk M. 2015. The impact of maternal smoking during pregnancy on depressive and anxiety behaviors in children: the Norwegian Mother and Child Cohort Study. BMC Medicine 13:12.

#### N

Nelson B. 2014. Attenuated psychosis syndrome: don't jump the gun. Psychopathology 47(5):292-6.

Newton-Howes G, Clark LA, Chanen A. 2015. Personality disorder across the life course. Lancet 385(9969):727-34.

Nunes SOV, Piccoli De Melo LG, Pizzo De Castro MR, Barbosa DS, Vargas HO, Berk M, Maes M. 2015. Atherogenic index of plasma and atherogenic coefficient are increased in major depression and bipolar disorder, especially when comorbid with tobacco use disorder. Journal of Affective Disorders 172:55-62.

#### 0

O'Neil A, Jacka FN, Quirk SE, Cocker F, Taylor CB, Oldenburg B, Berk M. 2015. A shared framework for the common mental disorders and Non-Communicable Disease: key considerations for disease prevention and control. BMC Psychiatry 15.

O'Dea B, Glozier N, Purcell R, McGorry PD, Scott J, Feilds KL, Hermens DF, Buchanan J, Scott EM, Yung AR, Killacky E, Guastella AJ, Hickie IB. 2014. A crosssectional exploration of the clinical characteristics of disengaged (NEET) young people in primary mental healthcare. BMJ Open 4(12):e006378.

O'Donoghue B, Lyne J, Kinsella A, Turner N, O'Callaghan E, Clarke M. 2014. Detection and characteristics of individuals with a very long duration of untreated psychosis in an early intervention for psychosis service. Early Intervention in Psychiatry 8(4):332-339. O'Donoghue B, Nelson B, Yuen HP, Lane A, Wood S, Thompson A, Lin A, McGorry P, Yung AR. 2015. Social environmental risk factors for transition to psychosis in an Ultra-High Risk population. Schizophrenia Research 161(2-3):150-155.

O'Donoghue B, Schafer MR, Becker J, Papageorgiou K, Amminger GP. 2014. Metabolic changes in first-episode early-onset schizophrenia with second-generation antipsychotics. Early Intervention in Psychiatry 8(3):276-280.

#### Ρ

Palmer VJ, Chondros P, Piper D, Callander R, Weavell W, Godbee K, Potiriadis M, Richard L, Densely K, Herrman H, Furler J, Pierce D, Schuster T, Iedema R, Gunn J. 2015. The CORE study protocol: a stepped wedge cluster randomised controlled trial to test a co-design technique to optimise psychosocial recovery outcomes for people affected by mental illness in the community mental health setting. BMJ Open 5(3):e006688.

Pantelis C, Wannan C, Bartholomeusz CF, Allott K, McGorry PD. 2015. Cognitive intervention in early psychosis - preserving abilities versus remediating deficits. Current Opinion in Behavioral Sciences 4:63-72.

Parker G, Paterson A, Fletcher K, McClure G, Berk M. 2014. Construct validity of the Experiences of Therapy Questionnaire (ETQ). BMC Psychiatry 14:6.

Piskulic D, Barbato M, Liu L, Addington J. 2015. Pilot study of cognitive remediation therapy on cognition in young people at clinical high risk of psychosis. Psychiatry Res 225(1-2):93-8.

Pizzo de Castro MR, Maes M, Guembarovski RL, Ariza CB, Reiche EMV, Vargas HO, Vargas MM, de Melo LGP, Dodd S, Berk M, Watanabe MAE, Nunes SOV. 2014. SLC6A4 STin2 VNTR genetic polymorphism is associated with tobacco use disorder, but not with successful smoking cessation or smoking characteristics: A case control study. BMC Genetics 15.

Purcell R, Baksheev GN, Mullen PE. 2014. A descriptive study of juvenile family violence: data from intervention order applications in a Childrens Court. International Journal of Law and Psychiatry 37(6):558-63.

Purcell R, Jorm AF, Hickie IB, Yung AR, Pantelis C, Amminger GP, Glozier N, Killackey E, Phillips L, Wood SJ, Mackinnon A, Scott E, Kenyon A, Mundy L, Nichles A, Scaffidi A, Spiliotacopoulos D, Taylor L, Tong JP, Wiltink S, Zmicerevska N, Hermens D, Guastella A, McGorry PD. 2015. Transitions Study of predictors of illness progression in young people with mental ill health: study methodology. Early Intervention in Psychiatry 9(1):38-47.

#### Q

Quirk SE, El-Gabalawy R, Brennan SL, Bolton JM, Sareen J, Berk M, Chanen AM, Pasco JA, Williams LJ. 2015. Personality disorders and physical comorbidities in adults from the United States: data from the National Epidemiologic Survey on Alcohol and Related Conditions. Social Psychiatry and Psychiatric Epidemiology 50(5):807-820.

Quirk SE, Williams LJ, Chanen AM, Berk M. 2015. Personality disorder and population mental health. The Lancet Psychiatry 2(3):201-202.

#### R

Rajasekaran A, Venkatasubramanian G, Berk M, Debnath M. 2015. Mitochondrial dysfunction in schizophrenia: pathways, mechanisms and implications. Neuroscience & Biobehavioural Reviews 48:10-21.

Rapado-Castro M, Berk M, Venugopal K, Bush AI, Dodd S, Dean OM. 2015. Towards stage specific treatments: Effects of duration of illness on therapeutic response to adjunctive treatment with N-acetyl cysteine in schizophrenia. Progress in Neuro-Psychopharmacology and Biological Psychiatry 57:69-75.

Rapado-Castro M, McGorry PD, Yung A, Calvo A, Nelson B. 2015. Sources of clinical distress in young people at ultra high risk of psychosis. Schizophr Res 165(1):15-21.

Ratheesh A, Cotton SM, Betts JK, Chanen A, Nelson B, Davey CG, McGorry PD, Berk M, Bechdolf A. 2015. Prospective progression from high-prevalence disorders to bipolar disorder: Exploring characteristics of preillness stages. Journal of Affective Disorders 183:45-48.

Rauma PH, Pasco JA, Berk M, Stuart AL, Koivumaa-Honkanen H, Honkanen RJ, Hodge JM, Williams LJ. 2015. The association between major depressive disorder, use of antidepressants and bone mineral density (BMD) in men. Journal of Musculoskeletal & Neuronal Interactions 15(2):177-185.

Rauma PH, Pasco JA, Berk M, Stuart AL, Koivumaa-Honkanen H, Honkanen RJ, Hodge JM, Williams LJ. 2015. The association between use of antidepressants and bone quality using quantitative heel ultrasound. Australian and New Zealand Journal of Psychiatry 49(5):437-443.

Reniers RLEP, Garner B, Phassouliotis C, Phillips LJ, Markulev C, Pantelis C, Bendall S, McGorry PD, Wood SJ. 2015. The relationship between stress, HPA axis functioning and brain structure in first episode psychosis over the first 12 weeks of treatment. Psychiatry Research - Neuroimaging 231(2):111-119.

Rice SM, Fallon BJ, Aucote HM, Moller-Leimkuhler A, Treeby MS, Amminger GP. 2015. Longitudinal sex differences of externalising and internalising depression symptom trajectories: Implications for assessment of depression in men from an online study. International Journal of Social Psychiatry 61(3):236-240.

Rickwood DJ, Mazzer KR, Telford NR, Parker AG, Tanti CJ, McGorry PD. 2015. Changes in psychological distress and psychosocial functioning in young people visiting headspace centres for mental health problems. Med J Aust 202(10):537-42.

Rickwood DJ, Telford NR, Mazzer KR, Parker AG, Tanti CJ, McGorry PD. 2015. The services provided to young people through the headspace centres across Australia. Med J Aust 202(10):533-6.

Robinson J, Rodrigues M, Fisher S, Bailey E, Herrman H. 2015. Social medial and suicide prevention: findings from a stakeholder survey. Shanghai Archives of Psychiatry 27(1):27-35.

#### S

Sarris J, Logan AC, Akbaraly TN, Amminger GP, Balanzá-Martínez V, Freeman MP, Hibbeln J, Matsuoka Y, Mischoulon D, Mizoue T, Nanri A, Nishi D, Ramsey D, Rucklidge JJ, Sanchez-Villegas A, Scholey A, Su KP, Jacka FN. 2015. Nutritional medicine as mainstream in psychiatry. The Lancet Psychiatry 2(3):271-274.

Sarro S, Madre M, Fernandez-Corcuera P, Valenti M, Goikolea JM, Pomarol-Clotet E, Berk M, Amann BL. 2014. Transcultural adaption and validation of the Spanish version of the Bipolar Depression Rating Scale (BDRS-S). J Affect Disord 172C:110-115.

Schlogelhofer M, Amminger GP, Schaefer MR, Fusar-Poli P, Smesny S, McGorry P, Berger G, Mossaheb N. 2014. Polyunsaturated fatty acids in emerging psychosis: a safer alternative? Early Intervention in Psychiatry 8(3):199-208.

Shah S, Mackinnon A, Galletly C, Carr V, McGrath JJ, Stain HJ, Castle D, Harvey C, Sweeney S, Morgan VA. 2014. Prevalence and impact of childhood abuse in people with a psychotic illness. Data from the second Australian National Survey of Psychosis. Schizophrenia Research 159(1):20-6.

Singh AB, Bousman CA, Ng CH, Byron K, Berk M. 2015. Effects of persisting emotional impact from child abuse and norepinephrine transporter genetic variation on antidepressant efficacy in major depression: a pilot study. Clin Psychopharmacol Neurosci 13(1):53-61.

Singh AB, Nierenberg AA, Yatham LN, Berk M. 2014. Atypical antipsychotic agents; Peas in a pod or chalk and cheese? BMC Medicine 12.

Smith LT, Shelton CL, Berk M, Hasty MK, Cotton SM, Henry L, Daglas R, Gentle E, McGorry PD, Macneil CA, Conus P. 2014. The impact of insight in a first-episode mania with psychosis population on outcome at 18 months. Journal of Affective Disorders 167:74-79.

#### T

Talarowska M, Szemraj J, Berk M, Maes M, Galecki P. 2015. Oxidant/antioxidant imbalance is an inherent feature of depression. Bmc Psychiatry 15(1):71.

.....

Thompson J, Berk M, O'Donnell M, Stafford L, Nordfjaern T. 2014. Attributions of responsibility and recovery within a no-fault insurance compensation system. Rehabilitation Psychology 59(3):247-55.

Thompson J, Berk M, O'Donnell M, Stafford L, Nordfjaern T. 2015. The association between attributions of responsibility for motor vehicle accidents and patient satisfaction: a study within a no-fault injury compensation system. Clinical Rehabilitation 29(5):500-508.

Thomson D, Berk M, Dodd S, Rapado-Castro M, Quirk SE, Ellegaard PK, Berk L, Dean OM. 2015. Tobacco use in bipolar disorder. Clin Psychopharmacol Neurosci 13(1):1-11.

Thomson D, Turner A, Lauder S, Gigler ME, Berk L, Singh AB, Pasco JA, Berk M, Sylvia L. 2015. A brief review of exercise, bipolar disorder, and mechanistic pathways. Frontiers in Psychology 6.

Trauelsen AM, Bendall S, Jansen JE, Nielsen HG, Pedersen MB, Trier CH, Haahr UH, Simonsen E. 2015. Childhood adversity specificity and dose-response effect in non-affective first-episode psychosis. Schizophr Res 165(1):52-9.

#### /

Vallarino M, Henry C, Etain B, Gehue LJ, Macneil C, Scott EM, Barbato A, Conus P, Hlastala SA, Fristad M, Miklowitz DJ, Scott J. 2015. An evidence map of psychosocial interventions for the earliest stages of bipolar disorder. Lancet Psychiatry 2(6):548-563.

van Os J, Rutten BP, Myin-Germeys I, Delespaul P, Viechtbauer W, van Zelst C, Bruggeman R, Reininghaus U, Morgan C, Murray RM, Di Forti M, McGuire P, Valmaggia LR, Kempton MJ, Gayer-Anderson C, Hubbard K, Beards S, Stilo SA, Onyejiaka A, Bourque F, Modinos G, Tognin S, Calem M, O'Donovan MC, Owen MJ, Holmans P, Williams N, Craddock N, Richards A, Humphreys I, Meyer-Lindenberg A, Leweke FM, Tost H, Akdeniz C, Rohleder C, Bumb JM, Schwarz E, Alptekin K, Ucok A, Saka MC, Atbasoglu EC, Guloksuz S, Gumus-Akay G, Cihan B, Karadag H, Soygur H, Cankurtaran ES, Ulusoy S, Akdede B, Binbay T, Ayer A, Noyan H, Karadayi G, Akturan E, Ulas H, Arango C, Parellada M, Bernardo M, Sanjuan J, Bobes J, Arrojo M, Santos JL, Cuadrado P, Rodriguez Solano JJ, Carracedo A, Garcia Bernardo E, Roldan L, Lopez G, Cabrera B, Cruz S, Diaz Mesa EM, Pouso M, Jimenez E, Sanchez T, Rapado M, Gonzalez E, Martinez C, Sanchez E, Olmeda MS, de Haan L, Velthorst E, van der Gaag M, Selten JP, van Dam D, van der Ven E, van der Meer F, Messchaert E, Kraan T, Burger N, Leboyer M, Szoke A, Schurhoff F, Llorca PM, Jamain S, Tortelli A, Frijda F, Vilain J, Galliot AM, Baudin G, Ferchiou A, Richard JR, Bulzacka E, Charpeaud T, Tronche AM, De Hert M, van Winkel R, Decoster J, Derom C, Thiery E, Stefanis NC, Sachs G, Aschauer H, Lasser I, Winklbaur B, Schlogelhofer M, Riecher-Rossler A, Borgwardt S, Walter A, Harrisberger F, Smieskova R, Rapp C, Ittig S, Soguel-dit-Piquard F, Studerus E, Klosterkotter J, Ruhrmann S, Paruch J, Julkowski D, Hilboll D, Sham PC, Cherny SS, Chen EY, Campbell DD, Li M, Romeo-Casabona CM, Emaldi Cirion A, Urruela Mora A, Jones P, Kirkbride J, Cannon M, Rujescu D, Tarricone I, Berardi D, Bonora E, Seri M, Marcacci T, Chiri L, Chierzi F, Storbini V, Braca M, Minenna MG, Donegani I, Fioritti A, La Barbera D, La Cascia CE, Mule A, Sideli L, Sartorio R, Ferraro L, Tripoli G, Seminerio F, Marinaro AM, McGorry P, Nelson B, Amminger GP, Pantelis C, Menezes PR, Del-Ben CM, Gallo Tenan SH, Shuhama R, Ruggeri M, Tosato S, Lasalvia A, Bonetto C, Ira E, Nordentoft M, Krebs MO, Barrantes-Vidal N, Cristobal P, Kwapil TR, Brietzke E, Bressan RA, Gadelha A, Maric NP, Andric S, Mihaljevic M, Mirjanic T. 2014. Identifying gene-environment interactions in schizophrenia: contemporary challenges for integrated, large-scale investigations. Schizophr Bull 40(4):729-36.

van Spijker BAJ, Calear AL, Batterham PJ, Mackinnon AJ, Gosling JA, Kerkhof AJFM, Solomon D, Christensen H. 2015. Reducing suicidal thoughts in the Australian general population through web-based self-help: Study protocol for a randomized controlled trial. Trials 16(1).

Vargas Nunes SO, Pizzo de Castro MR, Moreira EG, Guembarovski RL, Barbosa DS, Vargas HO, Piccoli de Melo LG, Bortolasci CC, Watanabe MA, Dodd S, Berk M, Maes M. 2015. Association of paraoxonase (PON)1 activity, glutathione S-transferase GST T1/M1 and STin.2 polymorphisms with comorbidity of tobacco use disorder and mood disorders. Neuroscience Letters 585:132-7.

#### W

Wang Y, Zhang H, Tang S, Liu X, O'Neil A, Turner A, Chai F, Chen F, Berk M. 2014. Assessing regional cerebral blood flow in depression using 320-slice computed tomography. PLoS One 9(9):e107735.

Waterdrinker A, Berk M, Venugopal K, Rapado-Castro M, Turner A, Dean OM. 2015. Effects of N-Acetyl Cysteine on Suicidal Ideation in Bipolar Depression. Journal of Clinical Psychiatry 76(5):E665-E665. Williams LJ, Pasco JA, Stuart AL, Jacka FN, Brennan SL, Dobbins AG, Honkanen R, Koivumaa-Honkanen H, Rauma PH, Berk M. 2015. Psychiatric disorders, psychotropic medication use and falls among women: an observational study. BMC Psychiatry 15(1):75.

Wiltink S, Nelson B, Velthorst E, Wigman JTW, Lin A, Baksheev G, Cosgrave E, Ross M, Ryan J, Yung AR. 2015. The relationship between personality traits and psychotic like experiences in a large non-clinical adolescent sample. Personality and Individual Differences 73:92-97.

Wiltink S, Velthorst E, Nelson B, McGorry PM, Yung AR. 2015. Declining transition rates to psychosis: the contribution of potential changes in referral pathways to an ultra-high-risk service. Early Intervention in Psychiatry 9(3):200-206.

Windhager E, Kim SW, Saria A, Zauner K, Amminger PG, Klier CM. 2014. Perinatal Use of Aripiprazole Plasma Levels, Placental Transfer, and Child Outcome in 3 New Cases. Journal of Clinical Psychopharmacology 34(5):637-641.

#### V

Yap MBH, Reavley NJ, Jorm AF. 2015. Is the use of accurate psychiatric labels associated with intentions and beliefs about responses to mental illness in a friend? Findings from two national surveys of Australian youth. Epidemiology and Psychiatric Sciences 24(1):54-68.

Yuen K, Harrigan SM, Mackinnon AJ, Harris MG, Yuen HP, Henry LP, Jackson HJ, Herrman H, McGorry PD. 2014. Long-term follow-up of all-cause and unnatural death in young people with first-episode psychosis. Schizophrenia Research 159(1):70-5.

#### Z

Zhou XY, Hetrick SE, Cuijpers P, Qin B, Barth J, Whittington CJ, Cohen D, Del Giovane C, Liu YY, Michael KD, Zhang YQ, Weisz JR, Xie P. 2015. Comparative efficacy and acceptability of psychotherapies for depression in children and adolescents: A systematic review and network metaanalysis. World Psychiatry 14(2):207-222.

#### **Book chapters**

Chanen AM, McCutcheon L. 2014. Early Intervention for Borderline Personality Disorder. Early Intervention in Psychiatry: El of Nearly Everything for Better Mental Health. p 318-333.

Killackey E, Harvey C, Amering M, Herrman H. 2015. Partnerships for meaningful community living: rehabilitation and recovery-informed practices. In: Tasman A, Lieberman J, Kay J, First M, Riba M, editors. Psychiatry. Chichester: John Wiley & Sons. p 1959-1982.

Malhi GS, Berk M. 2015. Bipolar disorder: A troubled diagnosis. In: Bhugra D, Malhi, G. S., editor. Troublesome Disguises: Managing Challenging Disorders in Psychiatry: Second Edition. London, England: John Wiley & Sons. p 153-165.

McGorry P. 2014. Afterword for Early Intervention of Nearly Everything for Better Mental Health Services. In: Byrne P, Rosen, A., editor. Early Intervention in Psychiatry: El of Nearly Everything for Better Mental Health: Wiley Blackwell. p 396-399.



There are many ways that individuals and companies can get involved in the work of Orygen, The National Centre of Excellence in Youth Mental Health



Whatever you choose will make a difference.





The National Centre of Excellence in Youth Mental Health

.....

35 Poplar Road Parkville VIC 3052 1300 679 436 ABN 85 098 918 686 orygen.org.au

An initiative of The University of Melbourne, Melbourne Health and The Colonial Foundation

