



Dr Francesco Giorlando






MBBS PhD FRANZCP

- ▶ IT Specialist
- ▶ Clinician
- ▶ Scientist

About

Dr Giorlando is a technologist, researcher and medical doctor. He works with all aspects of computing and develops software applications for medical and research use. His research interests include neuroscience, psychophysics, and neuroimaging. His clinical work is primarily focused on public-health in addiction psychiatry and pain management. Dr Giorlando has worked and taught in public health networks in Victoria and supervised research studies in Melbourne, Australia and Cambridge, UK. He works extensively with modern data-analysis and computing techniques.

Contact

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-  G-Scholar
-  GitHub
-  GitLab

Current Appointments

Chief Technology Officer

2019 – Present

GreenAnt Networks
Melbourne, VIC AU

Management of hardware, security and networking infrastructure. Major project software architecture, and technology consultation.

Consultant Psychiatrist

2024 – Present

Monash Health, Pain Management Clinic
Clayton, VIC AU

Management of specialised mental health and addiction patient care in Pain Management Clinic.

Affiliate Senior Lecturer

2024 – Present

Deakin University, IMPACT
Geelong, VIC AU

Clinical trial investigator, teaching of medical students and trainees.

Adjunct Lecturer

2015 – Present

Monash University, Department of Psychiatry
Clayton, VIC AU

Teaching of medical students and trainees in psychiatry, neuroscience and neuropharmacology.

Vice President

2022 – Present

KooyongKoot Alliance
Melbourne, VIC AU

Registered charity comprised of over twenty groups, working with Government and private organisations to protect and enhance the Gardiners Creek catchment (KooyongKoot)

Experience

Co-Founder and Technical Lead for Software and Network Architecture

2017 – Present

GreenAnt Networks

I have been the technical lead for end-to-end development of scalable IT systems at GreenAnt Networks. I coordinate hardware, networking and software architecture teams to deliver custom SaaS and security solutions. An important part of this work is contributing to open source projects and providing consultancy for open solutions. GreenAnt is a research-led company, with many of our projects exploring systems optimisation and novel software implementations.

Education

2025

Cert. of Addiction Psychiatry

RANZCP

Sub-specialisation in addiction psychiatry

2024

Fellowship (FRANZCP)

RANZCP

Psychiatry fellowship with Royal Australian and New Zealand College of Psychiatry

2017

Doctor of Philosophy

University of Melbourne & Visiting Scholar at Cambridge University

Thesis: Temporal Dissociation: A Phenomenological and Neurophysiological Investigation

2012

Master of Psychiatry

University of Melbourne

Vocational masters degree in psychiatry

2003

Medical Bachelor, Bachelor of Surgery (Hons)

Monash University

6 year medical degree

2003

Bachelor of Medical Science (Hons)

Monash University

Thesis: A Randomised Clinical Trial of Air Ioniser Use in Asthma

Clinical Research Coordination

2007 – Present

Monash University, University of Melbourne, Cambridge University, Deakin University

Coordination of all aspects of clinical and basic science research studies, including study design, recruitment, running, and statistical analysis of studies. My main research contributions have been in the fields of psychophysics, bipolar disorder, and consciousness science.

Clinical Psychiatry

2007 – Present

Monash Health, Western Health, Orygen Youth Health, HealthScope

I have worked in a variety of settings in clinical psychiatry, both as a registrar and consultant psychiatrist. My areas of interest are primarily in addiction psychiatry, pain psychiatry and consultation liaison psychiatry. Teaching is an important part of my clinical work, supervising psychiatric trainees and nurse practitioners, as well as teaching medical students.

Information Technology Consulting

2019 – Present

GreenAnt Consulting

Consulting in high-performance computing, modern web frameworks and open source software. Recent work has involved deployment of scientific computing workstations and auditing of organisation-wide publication frameworks for major public-health publishers.

Current IT Projects

I am actively maintaining a number of open source and commercial IT projects. These are primarily in the areas of mental health and online research/publication systems.

Juuri Platform (commercial, deployed)

Software Architect, Maintainer, Backend Engineer

Juuri is an online content-creation and content-delivery platform primarily utilised for public health. It includes a unique branching logic builder and collaborative content builder designed for researchers. This software is currently used by over 1500 participants and major Australian Universities.

GreenAnt Zero (commercial, deployed)

Technical Lead, Maintainer, Backend Engineer

Zero is a zero-knowledge backup and replication system based on ZFS. It utilises modern ZFS encryption with incremental send, backup policies and unidirectional privileges.

Reflux Pub (free and open source, in development)

Software Architect and Maintainer

This project integrates and extends current online publication tools to enable end-to-end collaborative research publication and peer-review. It aims to provide a complete scientific publication environment using modern web technologies and allow for greater public access and involvement in science.

Computing Skills

R	10+ yrs.
LaTeX	10+ yrs.
Python	2 yrs.
JavaScript	4 yrs.
R Markdown	10+ yrs.
manim	1 year
Data Analysis	10+ yrs.
Server Hardware	20+ yrs.
Linux System Admin.	20+ yrs.
Advanced File Systems	10+ years
High-Performance Computing	10+ yrs.
High-Availability	7 yrs.
IP and Networking	10+ yrs.
Embedded Hardware	4 yrs.
Software Architecture	7 years
Web Development	8 years

Selected Papers

- De Zoysa, A. I., Govinnage, J., **Giorlando, F.**, Dodd, S., Narayanaswamy, J. & Berk, M. Emerging neurobiological targets in psychiatric treatment. *European Neuropsychopharmacology* **105**, 112767 (2026).
- Berk, M., Mohebbi, M., Dean, O. M., Cotton, S. M., Chanen, A. M., Dodd, S., Ratheesh, A., Amminger, G. P., Phelan, M., Weller, A., Mackinnon, A., **Giorlando, F.**, Baird, S., *et al.* Youth Depression Alleviation with Anti-inflammatory Agents (YoDA-A): A randomised clinical trial of rosuvastatin and aspirin. *BMC medicine* **18**, 16 (2020).
- Dean, O. M., Gliddon, E., Van Rheenen, T. E., **Giorlando, F.**, Davidson, S. K., Kaur, M., Ngo, T. T. & Williams, L. J. An update on adjunctive treatment options for bipolar disorder. *Bipolar Disorders* **20**, 87–96 (2018).
- Van Rheenen, T. E., Davidson, S. K., **Giorlando, F.**, Gliddon, E. & Dean, O. M. Fostering early and mid-career research in affective disorders. *The Australian and New Zealand Journal of Psychiatry* **49**, 387–388 (2015).
- Dandash, O., Harrison, B. J., Adapa, R., Gaillard, R., **Giorlando, F.**, Wood, S. J., Fletcher, P. C. & Fornito, A. Selective Augmentation of Striatal Functional Connectivity Following NMDA Receptor Antagonism: Implications for Psychosis. *Neuropsychopharmacology* (2014) doi:10.1038/npp.2014.210.
- Giorlando, F.**, Markanday, S., Anderson, A., Carpenter, R. & Berk, M. Temporal Order Assessment in Patients with Bipolar Disorder. *Procedia - Social and Behavioral Sciences* **126**, 216 (2014).
- Giorlando, F.**, Teister, J., Dodd, S., Udina, M. & Berk, M. Hyponatraemia: An Audit of Aged Psychiatry Patients Taking SSRIs and SNRIs. *Current Drug Safety* **8**, 175–180 (2013).
- Moore, J. W., Cambridge, V. C., Morgan, H., **Giorlando, F.**, Adapa, R. & Fletcher, P. C. Time, action and psychosis: Using subjective time to investigate the effects of ketamine on sense of agency. *Neuropsychologia* **51**, 377–384 (2013).
- Dean, D. O. M., Data-Franco, J., **Giorlando, F.** & Berk, M. Minocycline. *CNS Drugs* **26**, 391–401 (2012).
- Moylan, S., **Giorlando, F.**, Nordfjærn, T. & Berk, M. The role of alprazolam for the treatment of panic disorder in Australia. *Australian and New Zealand Journal of Psychiatry* **46**, 212–224 (2012).
- Dodd, S., Malhi, G. S., Tiller, J., Schweitzer, I., Hickie, I., Khoo, J. P., Basset, D. L., Lyndon, B., Mitchell, P. B., Parker, G., Fitzgerald, P. B., Udina, M., Singh, A., *et al.* O-10 - Safety monitoring guidelines for treatments for major depressive disorder. *European Psychiatry* **27**, **Supplement 1**, 1 (2012).
- Berk, M., Berk, L., Davey, C. G., Moylan, S., **Giorlando, F.**, Singh, A. B., Kalra, H. & Malhi, G. S. Treatment of bipolar depression. *Medical journal of Australia open* **1**, 32–35 (2012).
- Morgan, H. L., Coull, J. C., Moore, J., Cambridge, V., **Giorlando, F.**, Adapa, R. & Fletcher, P. C. Does ketamine induce an abnormal sense of time in healthy volunteers?: *International Clinical Psychopharmacology* **26**, e144 (2011).

14. Dodd, S., Malhi, G. S., Tiller, J., Schweitzer, I., Hickie, I., Khoo, J. P., Bassett, D. L., Lyndon, B., Mitchell, P. B., Parker, G., Fitzgerald, P. B., Udina, M., Singh, A., *et al.* A consensus statement for safety monitoring guidelines of treatments for major depressive disorder. *Australian and New Zealand Journal of Psychiatry* **45**, 712–725 (2011).
15. Coull, J. T., Morgan, H., Cambridge, V. C., Moore, J. W., **Giorlando, F.**, Adapa, R., Corlett, P. R. & Fletcher, P. C. Ketamine perturbs perception of the flow of time in healthy volunteers. *Psychopharmacology* (2011) doi:10.1007/s00213-011-2346-9.
16. Berk, M., Kapczinski, F., Andreazza, A. C., Dean, O. M., **Giorlando, F.**, Maes, M., Yücel, M., Gama, C. S., Dodd, S., Dean, B., Magalhães, P. V. S., Amminger, P., McGorry, P., *et al.* Pathways underlying neuroprogression in bipolar disorder: Focus on inflammation, oxidative stress and neurotrophic factors. *Neuroscience & Biobehavioral Reviews* **35**, 804–817 (2011).
17. Dean, O., **Giorlando, F.** & Berk, M. N-acetylcysteine in psychiatry: Current therapeutic evidence and potential mechanisms of action. *Journal of Psychiatry & Neuroscience: JPN* **36**, 78 (2011).

Presentations

1. **Giorlando, F.** (Talk) Distributed Consciousness Theory (DCT): From thermodynamics to phenomenology, a non-representational, physicalist theory of consciousness. in *Models of Consciousness 6* (2025).
2. **Giorlando, F.** (Talk) 'AI' In Healthcare: Realism in the Era of Peak Hype. (2025) Healthscope Academic Forum, Melbourne, Australia.
3. **Giorlando, F.** (Talk) building a platform for running and managing large scale young persons' mental health trials. in *SFT-22 successes and failures in telehealth conference* (2022).
4. **Giorlando, F.**, Lancaster, R., Fischer, D. & Jacka, D. (Poster) Addiction Medicine in the Pain Clinic Setting: Outcomes over 10 months. in *International Medicine in Addiction Conference* (2019).
5. **Giorlando, F.** (Poster) from the Inside Out, Non-locality and Consciousness. in *22th Annual Meeting of the Association for the Scientific Study of Consciousness* (ASSC, 2018).
6. **Giorlando, F.** (Talk) Ketamine Modulates Brain Activity in Regions Associated with Temporal Disintegration. in *Monash Psychiatry Academic Day* (2018).
7. **Giorlando, F.** (Talk) The Time Train: A New Arrival of the Specious Present. in *Time in Tokyo, international symposium on temporal perception and experience* (2016).
8. **Giorlando, F.**, Markanday, S., Dahler, J., Anderson, A., Fletcher, P. & Berk, M. (Poster) Inverted Time Perception: Understandings from fMRI and EEG. in *19th Annual Meeting of the Association for the Scientific Study of Consciousness* (ASSC, 2015).
9. **Giorlando, F.**, Markanday, S., Dahler, J., Anderson, A., Carpenter, R. & Berk, M. (Talk) The Perception of Time and Bipolar Disorder. in *18th Annual Meeting of the Association for the Scientific Study of Consciousness* (ASSC, 2014).