

# Royal College of Psychiatrists

## Pan American

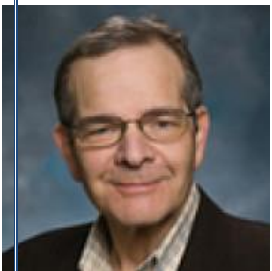
## Division Newsletter



August 2017 (Issue 32)



Sophia Frangou  
Chair



Kenneth Kaufman  
Acting Vice-Chair

Dear Colleagues

Neuroscience seems poised to surpass science fiction. The way forward is sprinkled with "neural dust".

Jose M. Carmena, Professor of Electrical Engineering and Computer Sciences at the Helen Wills Neuroscience Institute, and Michel M Maharbiz, Professor of Electrical Engineering and Computer Sciences at the University of California Berkeley, were honoured with the prestigious 2017 McKnight Technological Innovations in Neuroscience Award to further develop "[Neural Dust: an ultrasonic, low power, extreme miniature technology for completely wireless and untethered neural recordings in the brain.](#)"

In this pioneering work, Carmena and Maharbiz have built the first dust-sized, wireless and battery-less sensors that can be implanted in the brain to scan and stimulate brain cells. Each neural dust mote possesses a piezoelectric crystal that can use ultrasonic pulses to power and broadcast messages. At present the sensors are 1 millimeter<sup>3</sup>— about the size of a large grain of sand and can be safely attached to muscle and peripheral organs at least in animal experiments. The researchers are working to decrease their size to that of microns that would be more suitable for CNS applications.

**Tuesday 12<sup>th</sup> September!** This is the deadline for submitting proposals for sessions, masterclasses and training courses for the International Congress of the College taking place in June 24-27 at the ICC in Birmingham. This is the link to the portal: <https://www.eiseverywhere.com/ehome/267052>

As always, we are looking forward to your comments and ideas

Sophia Frangou

Kenneth Kaufman

# This and That

## ✿Job Board✿

The Job Board can be accessed at [http://jobs.rcpsych.ac.uk/home/index.cfm?site\\_id=16082](http://jobs.rcpsych.ac.uk/home/index.cfm?site_id=16082) The site accepts job postings from employers and allows job seekers to search for jobs and create personalized alerts based on their interests. Please note that the **postings are international** (not just UK) and include clinical and academic posts at all levels of seniority.

✿ **RCPsych PanAm Book club** ✿ The book club features books (recommended by our members). The topic has to be relevant to psychiatry and neuroscience from either a scientific, literary or societal perspective. Self-nominations by authors who are college members are welcome. Please provide a brief comment for each recommendation but this is optional. Any ideas? Please send them in at [panamericandivision@rcpsych.ac.uk](mailto:panamericandivision@rcpsych.ac.uk)! NB: Inclusion of a book in the PanAm Book Club does not imply endorsement or promotion by the RCPsych.

### Book of the Month

#### **When Breath Becomes Air**

**By Paul Kalanithi (Random House, 2016)**

#### Previously featured

##### **Brainwashed: The Seductive Appeal of Mindless Neuroscience**

*By Sally Satel, Scott O. Lilienfeld (Basic Books, 2015)*

##### **The Ministry of Utmost Happiness**

*By Arundhati Roy (Knopf, 2017)*

For all of you who love India and “The God of Small Things”

##### **The Mask of Sanity**

*By Jacob Appel (Permanent Press, 2017)*

##### **Introduction to Syndemics: A Critical Systems Approach to Public and Community Health**

*By Merrill Singer (Jossey-Bass, 2009)*

##### **Head in the Cloud: Why Knowing Things Still Matters When Facts Are So Easy to Look Up**

*By William Poundstone (Little, Brown and Company, 2016)*

##### **Walking the Medicine Wheel: Healing Trauma & PTSD**

*By David Kopacz and Joseph Rael (Beautiful Painted Arrow)*

*Millichap Books/Pointer Oak, 2016*

##### **Re-humanizing Medicine: A Holistic Framework for Transforming Your Self, Your Practice, and the Culture of Medicine**

*By David Kopacz (Ayni Press, a division of John Hunt Publishing, 2014)*

##### **The Emotional Life of Your Brain**

*By Richard J. Davidson, Sharon Begley*

*Avery; Reprint edition (December 24, 2012)*

##### **Journeys into the Bright World**

*by Marcia Moore and Howard Alltounian (Para Research, 1978)*

*Freely accessible at <http://pdf.textfiles.com/books/journeysbrightworld.pdf>*

##### **The Doors of Perception**

*By Aldous Huxley (Harper Perennial Modern Classics 2009)*

**The Age of Wonder: The Romantic Generation and the Discovery of the Beauty and Terror of Science,**  
by Richard Holmes (HarperCollins, 2008)

**Marijuana: The Unbiased Truth about the World's Most Popular Weed**  
By Kevin Phill (Hazelden 2015)

**Algorithms to Live By: The Computer Science of Human Decisions**  
By Brian Christian and Tom Griffiths (Henry Holt and Co 2016)

**Why You Love Music: From Mozart to Metallica--The Emotional Power of Beautiful Sounds**  
By John Powell (Little, Brown and Company 2016)

**Introductory Textbook of Psychiatry, Sixth Edition**  
By Donald W. Black and Nancy C. Andreasen (APA 2014)  
(Comment by Sophia Frangou: A good textbook for residents and students updated to reflect changes in the DSM5)

**Sacred Pathways: The Brain's role in Religious and Mystic Experiences**  
By Todd Murphy; Foreword by His Holiness The Dalai Lama and A. Persinger; 2015

**NeuroTribes: The Legacy of Autism and the Future of Neurodiversity**  
By Steve Silberman (Penguin 2015); Winner of the 2015 Samuel Johnson Prize for non-fiction

**The Digital Doctor: Hope, Hype, and Harm at the Dawn of Medicine's Computer Age**  
By Robert Wachter (McGraw-Hill Professional 2015)

**The Well-Tuned Brain: Neuroscience and the Life Well Lived**  
By Peter Whybrow (WW Norton & Company 2015)

**The Heart and the Bottle**  
By Oliver Jeffers (HarperCollins Publishers 2015)  
(Comment by Sophia Frangou: An unbelievably tender book that helps children understand death and loss; it is also available as an animated film read by Helena Bonham-Carter: <https://itunes.apple.com/gb/app/heart-bottle-for-ipad/id407795360?mt=8>)

**Gratitude**  
By Oliver Sachs (Knopf 2015)

**A Passion for Science: Stories of Discovery and Invention**  
By Suw Charman-Anderson (Editor) (Kindle ebook 2015)

**Furiously Happy: A Funny Book About Horrible Things**  
By Jenny Lawson (Flatiron Books 2015)

**Brain Renaissance: From Vesalius to Modern Neuroscience**  
By Marco Catani and Stefano Sandrone (Oxford University Press, 2015)

**Shrinks: The Untold Story of Psychiatry**  
By Jeffrey A. Lieberman and Ogi Ogas (Little, Brown and Company, 2015)

**The Future of the Brain: Essays by the World's Leading Neuroscientists**  
By Gary Marcus and Jeremy Freeman (Princeton University Press, 2014)

**Drugs, Without the Hot Air**  
By David Nutt (UIT Cambridge, 2012)

## Meeting Announcements

### 2017

European College of Neuropsychopharmacology, 30th Congress, September 2-5, Paris, France, Visit the congress website for details: <http://www.ecnp-congress.eu/>

Canadian Psychiatric Association, 67th Annual Conference, 14 – 16 September, Shaw Centre, Ottawa, Canada. Visit the congress website for details: <http://www.cpa-apc.org>

World Psychiatric Association, 17th WPA World Congress of Psychiatry "Psychiatry of the 21st Century: Context, Controversies and Commitment" 8-12 October, Berlin, Germany. Visit the congress website for details: <http://www.wpaberlin2017.com>

XXV World Congress Of Psychiatric Genetics, Oct 13- 17, Orlando, Florida, US, Visit the congress website for details <http://www.wcpg2017.org/>

American Academy of Child and Adolescent Psychiatry, 64th Annual Meeting, October 23-28, Marriott Wardman Park and Omni Shoreham Hotels, Washington, DC

### 2018

European Psychiatric Association, 26th Congress, 3-6 March, Nice, France. Visit the congress website for details: <http://www.epa-congress.org/>

Annual meeting of the American Association for Geriatric Psychiatry, 15-18 March, Honolulu, Hawaii

American Psychiatric Association, 171st Annual Meeting, May 5-9, New York, NY, USA

Society of Biological Psychiatry, 73<sup>rd</sup> Annual Scientific Meeting and Convention, May 10-12, Hilton New York, New York, NY, USA

International Congress of the Royal College of Psychiatrists, June 24-27, Birmingham, ICC Birmingham, UK. Visit the congress website for details: <http://www.rcpsych.ac.uk/congress>

**Please feel free to submit information on meetings or teaching events you may be organising nationally or locally and which may be of interest to the Pan American Division members to [panamericandivision@rcpsych.ac.uk](mailto:panamericandivision@rcpsych.ac.uk)**