

[NME.COM](#)

- [News](#)
- [Reviews](#)
- [New Music](#)
- [Film](#)
- [Blogs](#)
- [Video](#)
- [Photos](#)
- [Tickets](#)
- [Festivals](#)
- [More +](#)

[All News](#)

- [Music News](#)
- [Film & TV News](#)

[All Reviews](#)

- [Album Reviews](#)
- [Live Reviews](#)
- [On Repeat](#)
- [Film Reviews](#)
- [Best Albums And Tracks Of The Year](#)

[All New Music](#)

- [New Music Reviews](#)

[All Film & TV](#)

- [Film News](#)
- [Film Reviews](#)
- [Movie Blog](#)

[All Blogs](#)

- [Under The Radar](#)
- [The Movies Blog](#)
- [The Big Picture](#)
- [Festivals](#)
- [Awards](#)

[All Video](#)

- [Live Sessions](#)
- [Interviews](#)
- [Song Stories](#)
- [Soundtrack Of My Life](#)

[All Photos](#)

- [Rate My Photo Polls](#)
- [Big Picture Galleries](#)
- [Buy Photos From Sonic Editions](#)

[All Festivals](#)

- [Glastonbury](#)
- [Reading & Leeds](#)
- [Bestival](#)
- [Latitude](#)
- [T In The Park](#)
- [V Festival](#)
- [NOS Alive](#)
- [Open'er](#)

[Sign out](#)

- [Newsletter](#)
- [Win!](#)
- [Lists](#)
- [Features](#)

- [Digital Edition](#)
- [Magazine](#)
- [Shop](#)
- [RSS Feeds](#)
- [Artists](#)



[Subscribe To NME](#)



Great offers
from Perth!

Book
now

[Journeys of inspiration](#)

More from NME



Noel Gallagher On The Legacy Of 'Be Here Now': 'It



The 10 Most Career Damaging Moments In Pop

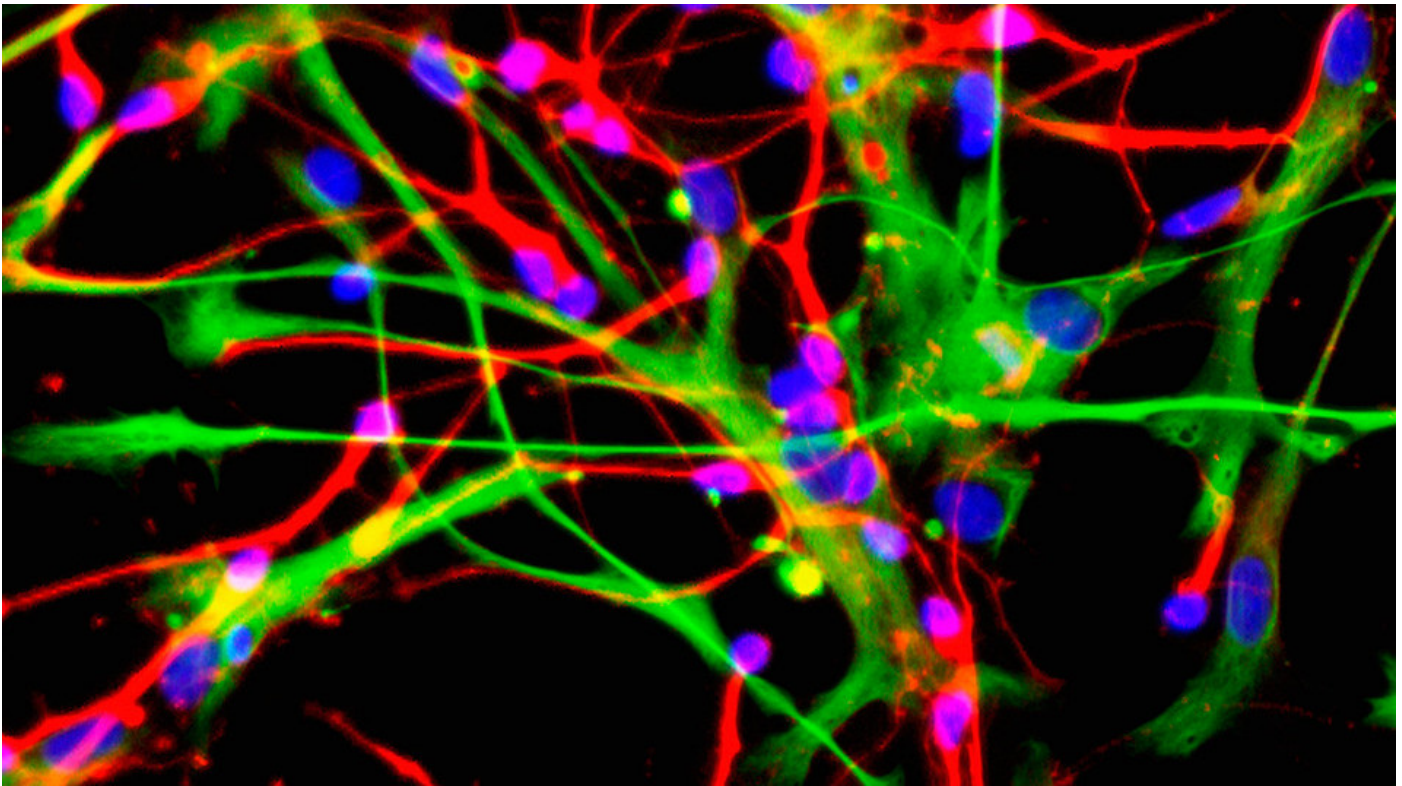


White Girl: The First Look At 2016's Most Controversial



This Is What Kurt Cobain's House Looks Like Now

Recommended by



Getty

This Aussie Artist Has Made A Synth From His Stem Cells – Listen To It In Action

By [Larry Bartleet](#)

26th November 2015

[Home](#) / [Blogs](#) / Blog Article

Wankiness alert: what you're about to read is an entry on 'post-human' music, an experimental project resulting from the union of noises and neurons. If that's not your bag, jump out now. You have been warned.

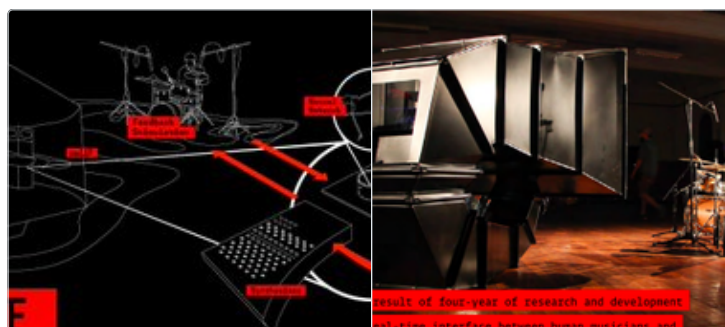
Guy Ben-Ary is the Australian artist responsible for "the world's first neural synthesiser". It's a project four years in the making called 'cellF' that he's labelling a "biological self-portrait". It's all a bit complicated, but the gist is that he took some skin from his arm via a biopsy, and using some high-tech equipment, transformed them into neural stem cells.

Once he'd done this, he had to work out a way to feed music into the neurons as "electrical stimulations". Ben-Ary says "the neurons respond by controlling the synthesiser, creating an improvised post-human sound piece."


His full explanation can be read on [his website](#), but here's an explanatory nugget that provides more questions than answers:

"Essentially cellF can be seen as a cybernetic musician/composer. The artwork is performative, where human musicians are invited to play with cellF in special one-off shows. The human-made music is fed to the neurons as stimulation, and the neurons respond by controlling the analogue synthesizers, and together they perform live, reflexive and improvised sound pieces or "jam sessions" that are not entirely human."

If that's hard to picture, this might help:



that have been altered through biotechnology.



Paola Antonelli
@curiousoctopus Follow


Music>neurons>synthesizers = posthuman sound piece via Guy Ben-Ary's wet-ologue instrument buff.ly/1S3ktxh

1:21 PM - 18 Nov 2015

4 13

So what does it sound like? Well, the project's live debut took place in October, using the music of Tokyo-based experimental drummer Darren Moore. Video footage of the event will be online by mid-December – until then, make do with the video below, which shows the first time the neurons were paired with their 'nonlinearcircuits voice synth'. Go on, say you're not impressed.

cellF 23july2014



PROMOTED STORIES



Rugby league legend's home for sale
realestate.com.au



Australia's 25 most expensive suburbs
realestate.com.au



The 10 Dating Sites that actually work!
[Best Aussie Dating](#)



Shannon Noll on why his family is still renting
[Domain](#)



You Won't Believe What These 80s Music Stars Look Like Now
[Time To Break](#)



23 Animal Fights That Went Too Far
[Animal Mozo](#)

MORE FROM NME



Watch Kim Kardashian accuse Taylor Swift of 'playing the victim' over...



Oasis filmmaker says Noel and Liam 'were asking after each other' during making...



David Bowie's 'Blackstar' band announce album inspired by and dedicated...

Recommended by

Share This

New Version 16 *available now*

- Simulated Paper Trading
- Prioritized Personal Watchlists
- Smoother, Faster Graphics and Drawing Tools
- and more...

TC2000

MORE STORIES



Billy Corgan reported to be planning a full Smashing Pumpkins...

NME



This Amazing Recording Of David Bowie Rehearsing...

NME



20 Things You Probably Didn't Know About The Strokes...

NME



White Girl: The First Look At 2016's Most Controversial Film

NME



Natalie Imbruglia buys into Australia's own little Hollywood at...

Domain



The top 10 fastest-selling suburbs in Australia

realestate.com.au



Karl Stefanovic cracks 'weed' jokes after Sylvia Jeffreys' gaffe

news.com.au



29 Life Hacks That I Wish I Knew About 5 Years Ago

UberHavoc

Recommended by

Don't Miss



[Pick Up NME!](#)

[Find out where you can pick up this week's issue of NME magazine](#)



[Blogs](#)

[Reading & Leeds Festival Lineup 2016: Everything You Need To Know](#)



[gallery](#)

[The 1975 At Glastonbury In Exclusive On-Stage Photos](#)

[review](#)

[Skepta - 'Konnichiwa' Review](#)

[video](#)

[The 1975's Matty Healy plays 'Who Would You' with NME](#)

[video](#)

[Whitney, 'No Woman' - NME Basement Sessions](#)

[Blogs](#)

[With Finding Dory Hitting Cinemas 13 Years After Finding Nemo, We Compare Pop Culture In 2003 And 2016](#)

[Blogs](#)

[Who Is Harley Quinn? Suicide Squad's Psychotic Cheerleader Explained](#)

[gallery](#)

[Bastille's Rousing Glastonbury 2016 Set In Pictures](#)

[Blogs](#)

[NME'S 50 Best Tracks Of 2016 So Far](#)

[Film](#)

[Watch a teaser trailer for upcoming 'Trainspotting 2' sequel film](#)

[review](#)

['Suicide Squad' - Film Review](#)

[News](#)

[Mercury Prize 2016 nominations announced – see shortlist in full](#)

Tickets

artist/city/venue Music

Today's Hottest Tickets



[Avenged Sevenfold](#)



[Airbourne](#)



[Regina Spektor](#)



[The Temper Trap](#)



[Kate Nash](#)



[Blossoms](#)

[See More Tickets](#)

Connect With Us

SIGN UP TO THE NEWSLETTER

Email address

By submitting your details, you'll also receive emails from [Time Inc. UK](#), publisher of NME and [other iconic brands](#) about its goods and services, and those of its carefully selected third parties.

Please tick here if you'd prefer not to hear about:

- Time Inc.'s goods & services, including all the latest news, great deals and offers
- Third party goods & services

[Terms & Conditions](#) | [Privacy & Cookies Policy](#)

[Terms](#)

This Week's Magazine



[This Week's Issue](#)
NME Store

Special Issues

- The ultimate music guide to the complexities of rock's most fearless band
- THE HISTORY OF ROCK
- THE ULTIMATE MUSIC GUIDE TO THE BEATLES
THE COMPLETE STORY

Other Merchandise

-  [Freddie Mercury](#)
-  [Liam Gallagher](#)

-  [Skull O Lantern](#)

-  [Black Studded With Red Printing](#)

[Visit The NME Store](#)

- [View More News](#)
- [View More Videos](#)
- [View More Photos](#)
- [View More Lists](#)

[Home](#) / [Contact Us](#) / [Advertising Info](#) / [Buy Our Content](#) / [Site User Terms](#) / [Privacy Policy](#) / [Cookie Information](#) / [List For Life](#)

Find Us

-
-
-
-

©1996-2016 Time Inc. (UK) Ltd.
All rights reserved NME is part of the Time Inc. (UK) Ltd Entertainment Network

