

2012 Parkinson's Awareness week



Centre for
Regenerative
Medicine

Slides Outline

1

PARKINSON'S^{UK} CHANGE ATTITUDES. FIND A CURE. JOIN US.

– Stem cells –
– α -Synuclein –



The Edinburgh effort against Parkinson's
Tilo Kunath, PhD
19th April, 2012

2

3

4

5



Slide 1 of 43 81%

2012 Parkinson's Awareness week



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Medicine**

**A woman asked, “Do people with
Parkinson’s smell different?”**

(19th April, 2012)

Searching for the woman...



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ken.bowler@talk21.com

To: TiloKunath

Reply-To: ken.bowler@talk21.com

Fw: Fw: PD sweat



6 November 2012 21:17

Sorry Tilo, no joy!

Ken

----- Forwarded Message -----

From: Marian McIntyre <marian.mcintyre@gmail.com>

To: Ken Bowler <ken.bowler@talk21.com>

Sent: Tuesday, 6 November 2012, 18:55

Subject: Re: Fw: PD sweat

Ken,

I had a quick with Gail about this. It definitely wasn't Gail herself but she thought the woman came from Dundee.

Sorry we can't be much help.

Cheers, Marian

(6th November, 2012)

Joy Milne from Perth



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How did we test her?

- Volunteers wore T-shirts for 24h
- Each T-shirt was cut in half
- Bagged and randomised
- Then Joy scored each ½ shirt

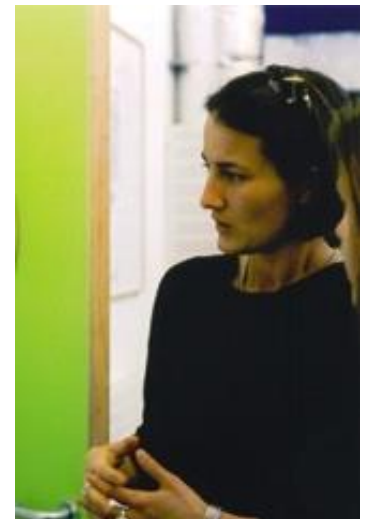


| No. | PD | Neg. | Mild | Mod. | Strong |
|-----|----|------|------|------|--------|
| 1 | - | X | | | |
| 8 | - | X | | | |
| 2 | + | | | X | |
| 10 | + | | | X | |
| 4 | - | X | | | |
| 22 | - | X | | | |
| 5 | - | X | | | |
| 23 | - | X | | | |
| 7 | - | | | | X |
| 21 | - | | | X | |
| 9 | + | | | X | |
| 20 | + | | X | | |
| 11 | + | | | | X |
| 25 | + | | | X | |
| 13 | - | | X | | |
| 19 | - | X | | | |
| 14 | + | | | X | |
| 18 | + | | | X | |
| 15 | - | X | | | |
| 26 | - | X | | | |
| 16 | + | | | X | |
| 28 | + | | | X | |
| 17 | + | | | | X |
| 27 | + | | | | X |

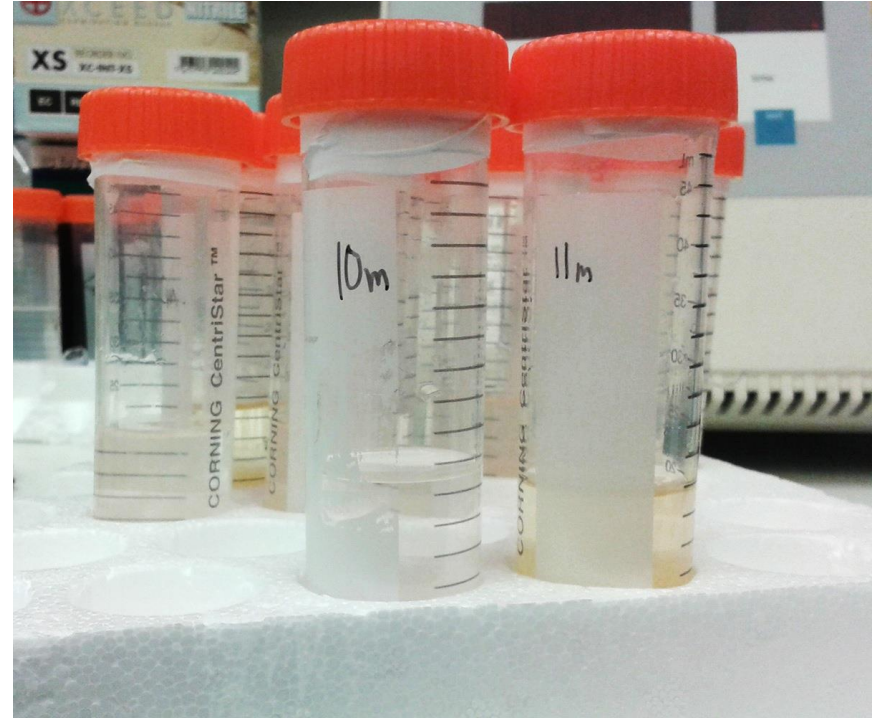
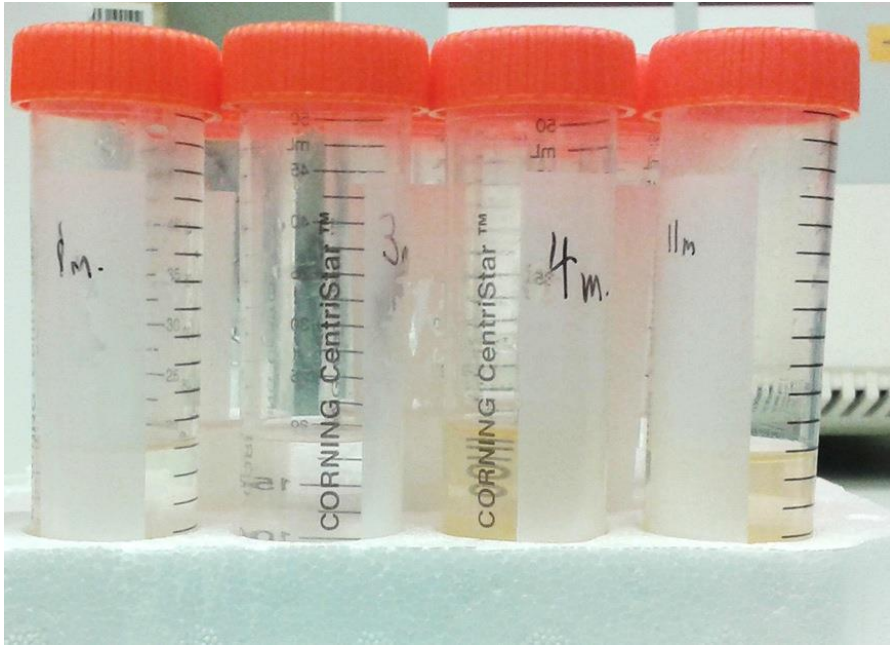
First surprise – odour was in the collar



Processed for mass spectrometry
by **Prof Perdita Barran**
(Edinburgh → Manchester)



Extracts from T-shirts



Processed and analysed by Barran lab

PARKINSON'S^{UK} CHANGE ATTITUDES. FIND A CURE. JOIN US.

Grant awarded by Parkinson's UK

→ Press release on 22nd October, 2015

TRENDING



- ↗ **Parkinson's Disease:** Woman Accurately Detects Neurological Disorder Through Smell, Report Says
- ↗ **Tennessee State University:** 1 Dead, 3 People Wounded in Shooting on Campus, Officials Say
- ↗ **Turing Pharmaceuticals:** Competitor Introduces \$1 Pill After Turing Raised Price of Drug to \$750
- ↗ **Adele:** Singer Debuts 1st Single in 3 Years, 'Hello,' Ahead of Upcoming Album Release
- ↗ **David Cameron:** UK Prime Minister Takes China's President Xi Jinping for Pint at Local Pub
- ↗ **Jimmy Kimmel Live!**: Christopher Lloyd, Michael J. Fox Reprise 'Back to the Future' Roles on Late-Night Show
- ↗ **John Cena:** Wrestler Set to Return to WWE to Defend US Title on Dec. 26
- ↗ **Dad's Army:** Universal Studios Releases Trailer for Upcoming Film
- ↗ **Simon Cowell:** Music Producer to Replace Howard Stern as Judge on 'America's Got Talent'



I f**king love science

October 23, 2015 · *

Scientists originally said she got 11/12 correct - but one of the control subjects she "incorrectly" said had Parkinson's was diagnosed with the disease 8 months later.



Meet The Woman Who Can Smell Parkinson's Disease

The thought of being diagnosed with Parkinson's disease strikes fear into the minds of all but the most stoic individuals; early detection is difficult, and it is currently an incurable condition. So it is quite astonishing that Joy Milne, a 65-year-old...

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Chronological ▾

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