Healthcare Science Career of the Week

MEDICAL MAVERICKS
INSPIRATION IN, ASPIRATIONS OUT

Neurophysiologist

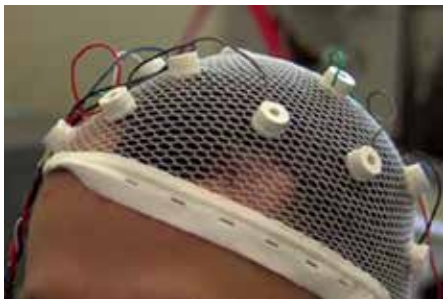
Area of HCS: Physiological Science
Pay scale: Band 4-7 £18k-£55k

AMAZING FACT

A Human Brain has 86 Billion neurons, building blocks of the nervous system, our closest rival are Elephants with 23 Billion.

The human brain is more powerful than any computer (at the moment anyway). These guys explore how the brain and nerves work and what happens when things go wrong. The patients they work with could have serious conditions such as dementia, multiple sclerosis and strokes or less serious, but still very painful and disabling nerve entrapments or carpel tunnel syndrome.

Using sophisticated equipment they carry out test to try and pinpoint the disease. They conduct electromyography (EMG), electroencephalogram (EEG) or evoked potentials - which is where they stimulate a nerve with a tiny electric shock.



VIDEO

We actually met two trainee neurophysiologists from Liverpool and filmed an interview with them along side footage of some of the tests they do. You can see how they can make your hand move with a tiny electric shock to a nerve in your arm and how they read brain wave scans! Check it out by going to www.medicalmavericks.co.uk/book

What to do to get into this career...

5 x GCSEs at Levels 9-4 / A-C, including Maths, English and Science

→ A – Levels or BTEC Biology, Chemistry recommended

→ A subject related BSc University Degree Qualification First or 2:1

→ Scientist Training Programme (STP) on a MSc Course at University

↓ Apprentice or Healthcare Science Associate Training

↓ Practitioner Training Programme on a Healthcare Science BSc degree in Life Sciences

Alternative courses to Consider at University:
- Genetics
- Biomedical Science
- Immunology
- Molecular Biology
- Cell Biology
- Physiology
- Biological Science

Similar careers to look for in Life Sciences:
- Biochemistry
- Pathology
- Haematology
- Clinical Immunology
- Toxicology
- Virology

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