

# Les neuromythes

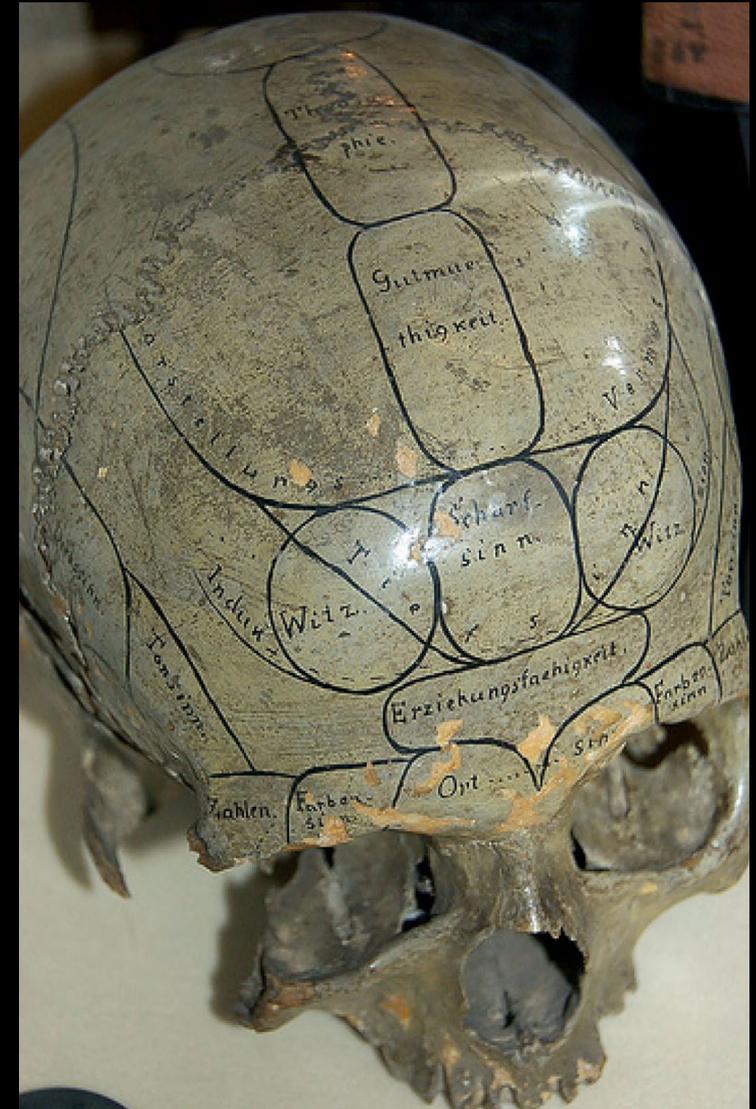
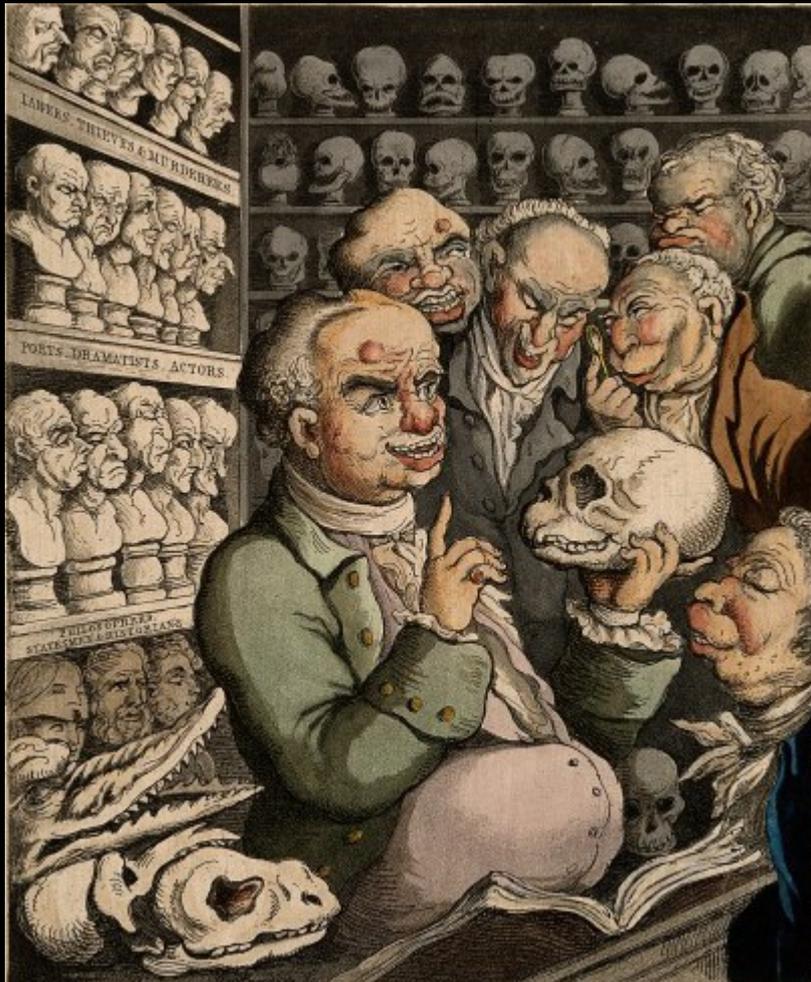


Nelly Darbois



# - Anciens

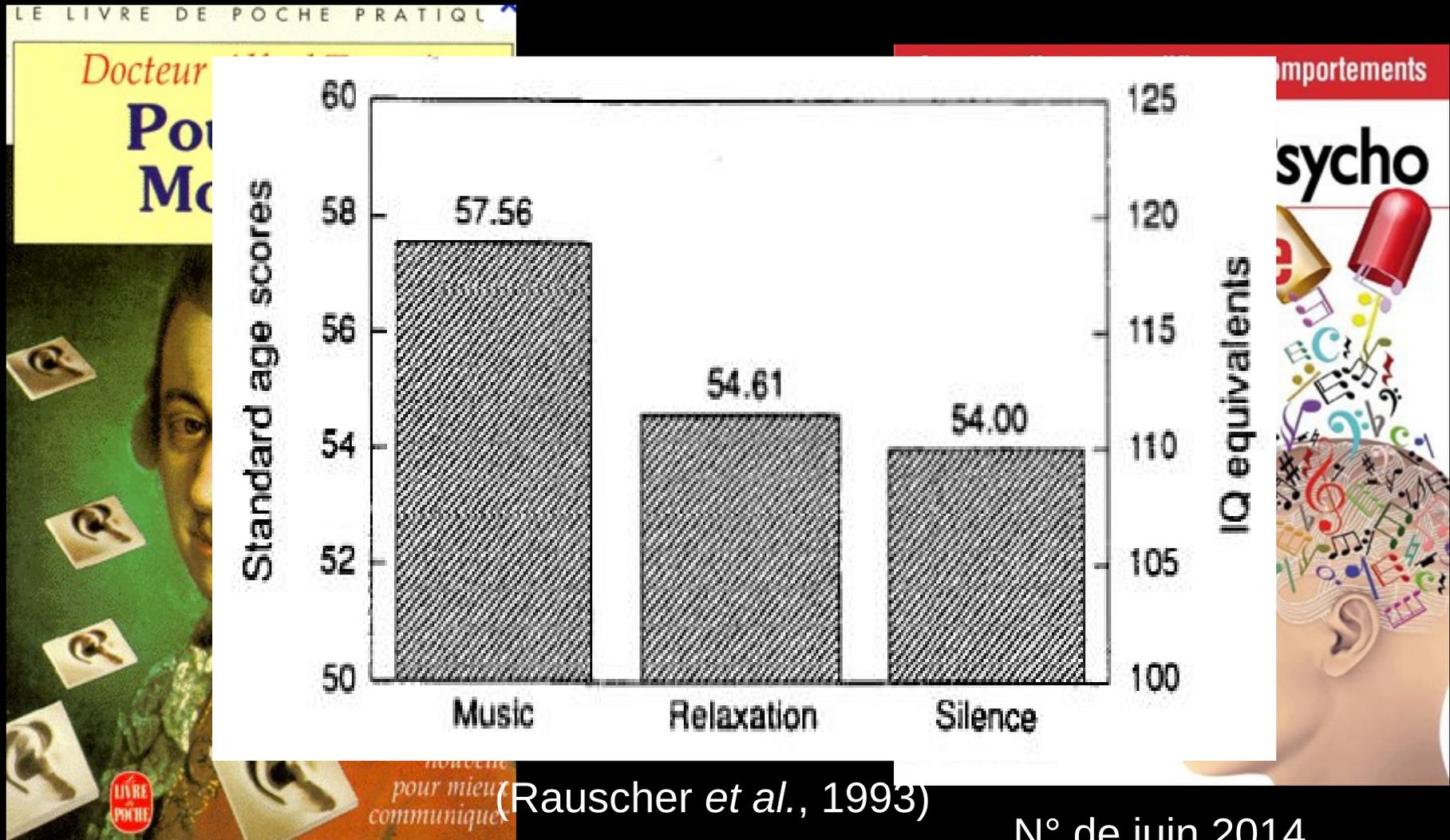
## La phrénologie, Franz Joseph Gall, XVIIIème



E. Holländer, Die Karikatur und Satire in der Medizin, Stuttgart 1921

# - Actuels

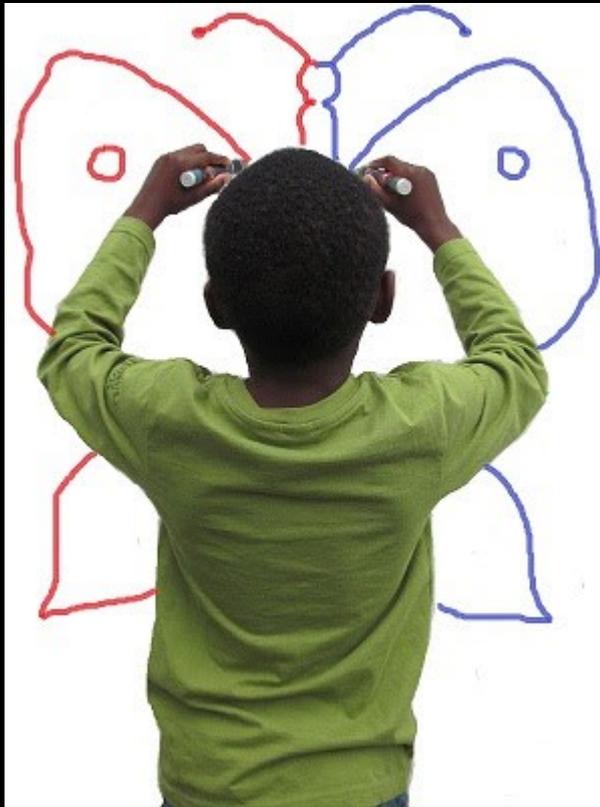
## L'effet Mozart et la méthode Tomatis



(Rauscher et al., 1993)

N° de juin 2014

# Éducation Kinesthésique® ou Brain gym®



## POUR CONNECTER SES HÉMISPHERES

Cet exercice active les deux hémisphères simultanément et constitue un bon échauffement avant toute activité. Il réveille en situation de somnolence, et permet de vider le trop plein d'énergie physique ou intellectuelle.

*Toucher le genou gauche et le coude droit puis le genou droit et le coude gauche. Alternier ces deux mouvements vite, lentement, yeux ouverts, yeux fermés. Sentez la stabilité de votre corps.*



# - Répandus

Affirmation	Enseignants d'accord
Nous n'utilisons que 10% de notre cerveau	<b>48 %</b>
Les différences de dominance hémisphérique (cerveau gauche, cerveau droit) peuvent aider à expliquer les différences individuelles des élèves	<b>91 %</b>





# L'effet neurosciences

On tend à accorder plus de crédibilité à une idée, même fausse, quand elle se réclame des neurosciences, quand elle utilise son langage, ses images

(Baillargeon, *Légendes pédagogiques*, 2013)

## Right Brain Training



*An early start in life keeps your child ahead. All you need is know-how...*

*That's Right Brain Training!*



In the first twelve years of life, your child is open and primed to absorb incredible amounts of information. Children with early exposure to quality topics during this time – such as mathematics, reading and writing – create a rich knowledge library they'll tap into for the rest of their lives. Right Brain Training offers a powerful yet fun enrichment program tailored to help you take optimum advantage of this crucial learning period.

Based on state-of-the-art breakthrough technology and scientific investigations, Right Brain Training offers delightful games and playful training exercises to maximize your child's learning potential. By enabling fuller, more balanced functioning, Right Brain Training results in greater creativity, harmony and well-being than other educational programs can produce. It is not a curriculum – it is a way to complement and boost the effectiveness of the educational program your child is

I'd like to know more about Right Brain Training. **Let us show you how!**

Name: ..... RETURN to: FREEPOST  
 Address: ..... Right Brain Training  
 Postcode: ..... P.O. Box 144  
 Email: ..... Manchester M4 4LX

Yes, please add me to the Right Brain Training email newsletter

## Right Start Training



*An early start in life keeps your child ahead. All you need is know-how...*

*That's Right Start Training!*

In the first twelve years of life, your child is open and primed to absorb incredible amounts of information. Children with early exposure to quality topics during this time – such as mathematics, reading and writing – create a rich knowledge library they'll tap into for the rest of their lives. Right Start Training offers a powerful yet fun enrichment program tailored to help you take optimum advantage of this crucial learning period.

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	Right Brain	Right Start
J'aimerais avoir plus d'informations sur ce programme de formation	4,9	4,5
Utiliser ce programme chez mon enfant améliorerait son intelligence	5	4,6
Le fondement scientifique de ce programme est important	4,5	4,1

1 – 2 – 3 – 4 – 5 – 6  
 Pas du tout d'accord  Tout à fait d'accord



NeuroBed

**DÉCOUVREZ**  
**Le Neuro Physical Training™**

DE LA RÉÉDUCATION AU SPORT SANTÉ

INNOVATION 2014

 PLATEFORME  
MOTORISÉE  
MULTIAXES  
BREVET LPG®



The image shows a man in a blue polo shirt and white pants standing on a motorized, multi-axis platform. The platform is white and black, with a digital display on the side showing '360°'. The background is a blue gradient with white lines and a grid pattern, suggesting a high-tech or scientific environment.

Neuro Physical Training



Boissons Neurodrink



**N° 50 Nouvelle Formule**

# Cerveau & Psycho

## Thérapies ciblées

Pour mieux traiter les maladies du cerveau

**Présidentielle :** les candidats sous l'œil des psychologues

**Pourquoi** sommes-nous si influençables?

**TOC :** les circuits défectueux

M 07156-50 - P. 6,95 € - 10

n°50 - Bimestriel mars-avril 2012

# Améliorer son cerveau

- La vérité sur les psychostimulants
- Faut-il croire aux oméga-3 ?
- Les bienfaits du magnétisme
- Muscler ses neurones

$$y = A \left( \cosh \frac{x}{L} C - 1 \right)$$

Religion : que disent les chiffres ?

# SCIENTES HUMAINES

La théorie du don que rend-t-elle de Maues ?

Enquête les Immigrés au guidon

## Les neurones expliquent-ils tout ?

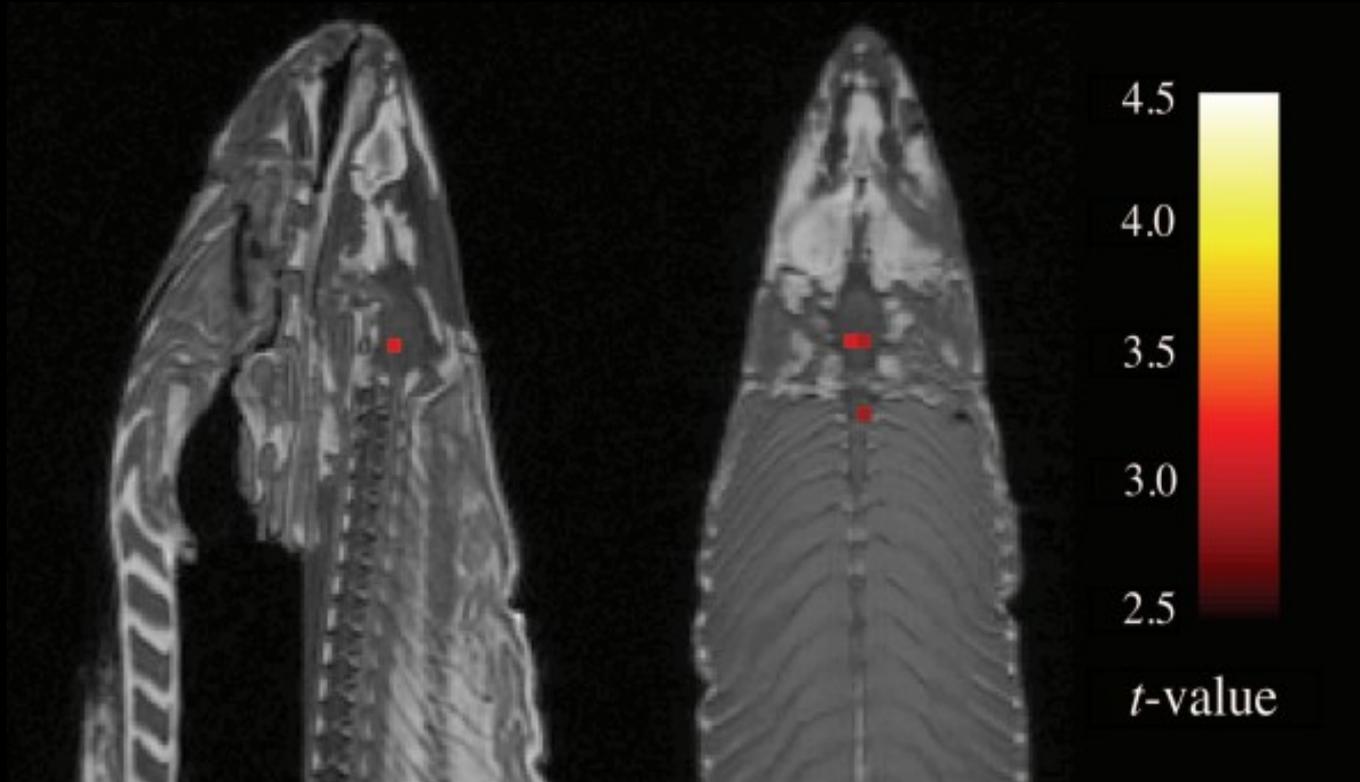
EMPATHIE, CONFIANCE, LIEN SOCIAL...

Les progrès de la neurobiologie

# Dieu habite le cerveau droit

Comment les sciences du cerveau expliquent la religion et la foi

# - Le saumon de Craig Bennett

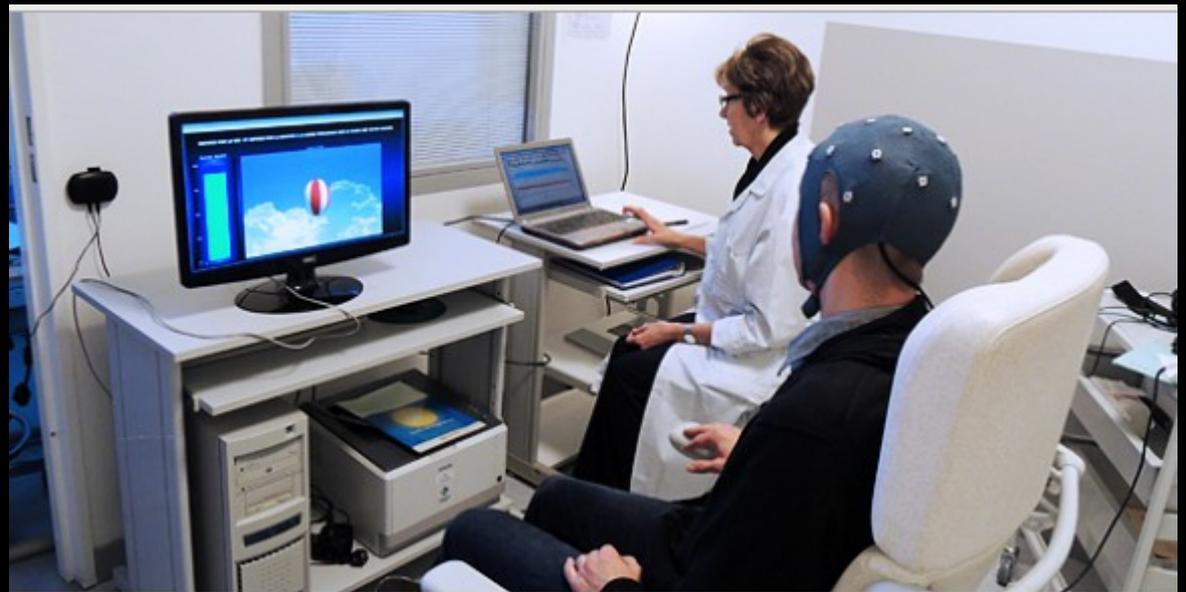


(Bennett et al., 2010)

# Les « neurorisques »

- Perte d'argent, de temps, de chance

Ex : le neurofeedback



# - Intrusion dans la sphère publique

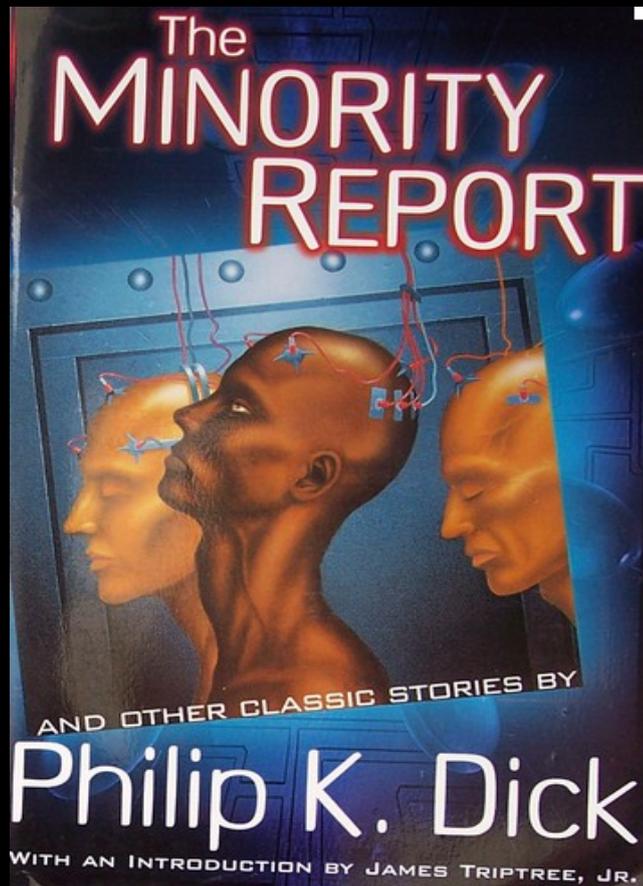
Ex : le neurofeedback dans les CHU

Ex : Brain Gym à l'école publique



Verneuil-en-Bourbonnais, Auvergne

# Ex : la neuroprédiction, prédire les crimes



Minority Report, 2002

(Aharoni *et al.*, 2013)

# Merci de votre attention

*L'esprit critique ne s'use que si l'on ne s'en sert pas*

Sources : [darbois@cortecs.org](mailto:darbois@cortecs.org)