

University of Nebraska - Lincoln

DigitalCommons@University of Nebraska - Lincoln

---

Nebraska College Preparatory Academy Senior  
Capstone Projects

Nebraska College Preparatory Academy

---

2022

## The Difference Is In the Brain

Misa Kori

Follow this and additional works at: <https://digitalcommons.unl.edu/ncpacapstone>



Part of the [Bilingual, Multilingual, and Multicultural Education Commons](#), [Other Education Commons](#), and the [Secondary Education Commons](#)

---

This Presentation is brought to you for free and open access by the Nebraska College Preparatory Academy at DigitalCommons@University of Nebraska - Lincoln. It has been accepted for inclusion in Nebraska College Preparatory Academy Senior Capstone Projects by an authorized administrator of DigitalCommons@University of Nebraska - Lincoln.

# The Difference Is In the Brain

Misa Kori

Nebraska College Preparatory College

Grand Island High School 2022

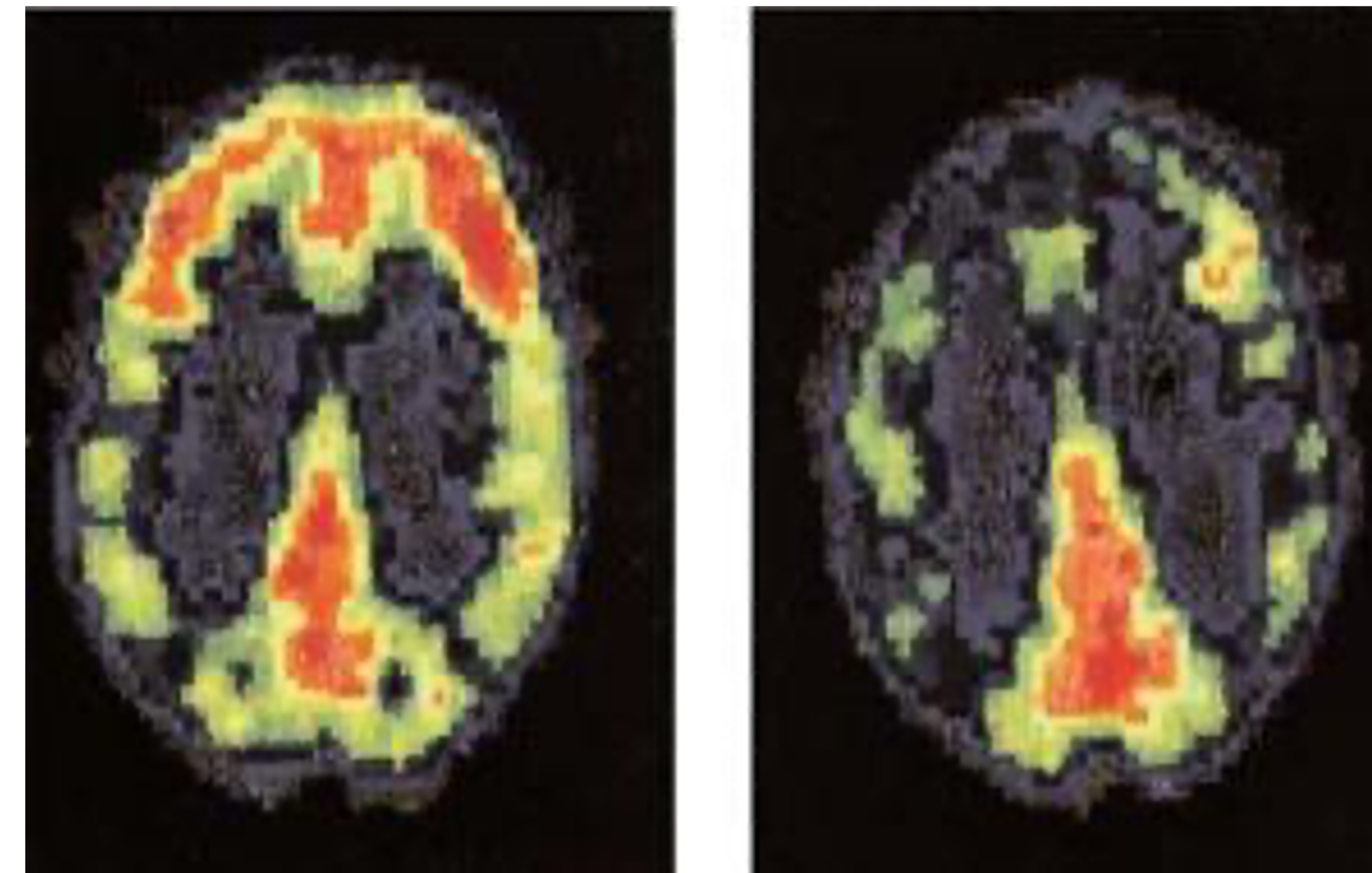
University of Nebraska-Lincoln

## ABSTRACT

A serial murder, is “the unlawful homicide of at least two people carried out by the same person (or persons) in separate events occurring at different times” (Briannica.com). A serial killer is an individual who carries out a serial murder. The thought process of a serial killer is miraculously different than that of an average person. Due to this, there is a difference in the brain activity between the two. This is important because research shows that an average person doesn’t think the same as a serial killer does. The serial killer’s brain has a decreased connectivity between the brain region that processes negative stimuli which leads to them killing (OUP Blog, 2022).



On the left is a normal control activity, On the right there is a lack of activity in the prefrontal cortex. The reds and yellow indicate the activity of the brain.



## CONCLUSION & DISCUSSIONS

Serial killers go through a different thought process than the average person. Due to the low levels of activity on the right side of the brain that is responsible for empathy and morality and is also responsible for our emotions. Treatment in mental hospitals can help a serial killer.

I would research more specifically how serial killers strategically go through their plans and thought processes.

## KEY POINTS

- ❖ In a normal person, the left side of the brain has more activity than the right-side.
- ❖ The brain of a serial killer also has lack of activity in the prefrontal cortex that is responsible for personality and cognitive behaviors.
- ❖ Serial killers have no remorse or empathy and this may stem from childhood trauma

## WORKS CITED

- Allely, C. S., Minnis, H., Thompson, L., Wilson, P., & Gillberg, C. (2014, January-February). *Neurodevelopmental and psychosocial risk factors in serial killers and mass murderers*. Science direct.
- Davies, N., (2018, June 26). *From abused child to serial killer: investigating nature vs nurture in methods of murder*. Psychiatry advisor.
- 7 lessons from murderers' brain scans*. (2021, February 1). Amen clinics. Retrieve April 7, 2022
- John Parrington is an Associate Professor in Molecular and Cellular Pharmacology at the University of Oxford. “What Can Neuroscience Tell Us about the Mind of a Serial Killer?” *OUPblog*, 26 Feb. 2021, <https://blog.oup.com/2021/04/what-can-neuroscience-tell-us-about-the-mind-of-a-serial-killer/>.