## The Art of Science and The Science of Art



By Maria Scaros

"It is the most important function of art and science to awaken feeling and keep it alive in those who are receptive to it." Albert Einstein

raises a dagger to take her life beside her beloved, in joy "intuitively" through minute triggers in our eyes, a café in Seville witnessing the passion of flamenco, ears, nose, hands, and mouth. Our senses have evolved raising my eyes to the ceiling of the Sistine Chapel in the over time. All our senses have helped us cognitively in a place of calm, as well as a touch of melancholy. It is Vatican, and being embraced by the music of Handel's in developing our communication systems. They have not my favorite Van Gough, but it is my anchor. I cannot Messiah. I would imagine that these emotions would reemerge upon being exposed to these art triggers time systems. and again. The arts have always been my passion. How they affect the human spirit is a new fascination as I world. Awe is felt. It is a mystery and difficult to define work within the field of neuroscience.

of neuroscience has increased interest in the brain's pathways. Others are more familiar with cognitive function and most recently, in how the brain reacts sensibilities. All of us somehow are affected by art one and relates to the arts. How does the brain process the arts? How does the brain transform that which we see and hear into an emotional and physiological brother who, now retired, was a very successful for your health and wellbeing. Your brain will thank you. response within the human body? The answers lie advertising executive. He was and continues to be one within the pathways of the brain that are stimulated of the smartest people I have known. He relishes a by what we see, specifically in visual art. What we see challenge. The more complex the better. Me, I'm more is converted by photoreceptors into electrical signals of a feeler than a thinker, I suppose. My strengths are which the optic nerve then sends to the occipital lobe. compassion and empathy. My brother is a compassionate Neuroscientists believe it is within this area of the being as well, though his strengths are in reasoning brain, the lateral occipital lobe, where we process the and attention. The more convoluted the problem, the information sent which eventually affects the way in more alert his senses are. As we left the museum, I which we create our personal appreciation of art. Is it asked him if he enjoyed the exhibition, as I was not the colors, the composition, the overall "message" we particularly impressed. It was modern in its style, and come to understand? The artist relays a visual message I have difficulty appreciating that form of art. He said that travels through brain pathways which we finally he enjoyed it immensely. I asked why. He told me it reconfigure to understand the "feeling" within the made him think. It made him curious. It awoke his

The artist relays a visual message which travels through brain pathways which we finally reconfigure to understand the "feeling" within the message.

message.

I have been moved to tears in the theater as Juliet speed. We sense danger "intuitively", and we sense what moves me. At the MET, I must visit Van Gough's also helped us physiologically in developing emotional say why and if I don't visit Van Gough first, my visit is

Each of us has felt moved by something we see in the with an open heart and an open mind. During the late twentieth century, the discipline than others as we are wide open with fewer divergent way or another.

brain. For me, I felt confused and at times, bored. Both Humans are sensorial beings. It is an integral part our brains were sensing the art. We both felt it, though of our survival. Our senses protect us and heal us. Our one positively and the other, negatively. I am not a senses stimulate biological reactions with incredible connoisseur of art by any means. I know what I like and "Sunflowers" before I continue my visit. It is one of my very few rituals. "Sunflowers" grounds me. They put me incomplete. I take in "Sunflowers" and move forward

We are not all artists, but we are all creative because it is sensed. Some of us may be more emotional beings. We can use our senses to understand our world cognitively, physiologically, psychologically, and emotionally. Our senses affect our biology in a myriad of ways. We are now in the realm of neuroaesthetics as we learn about the healing power of the arts for us all. Look I recently went to an art exhibition with my older to museums, concert halls, the theater and a dance hall

> "To develop a complete mind: Study the science of art; Study the art of science. Learn how to see. Realize that everything connects to everything else." Leonardo da Vinci

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