

BNI doctors think 3-D could provide clues to brain

by Colton Shone/KTAR (July 22nd, 2011 @ 8:46am)

PHOENIX -- Some of the biggest fans of today's extremely popular 3-D movies are neuroscientists at Barrow Neurological Institute in Phoenix.

The doctors at BNI at St. Joseph's Hospital hope the 3-D technology can be used to discover mysteries of the brain.

Dr. Stephen Macknik said one of the questions is, "How does information come into each of our eyes and then eventually mix in the brain and how the brain calculates how deep everything is away from you."

Dr. Susana Martinez-Conde believes that, once scientists find out how neurons and cells connect, they could help solve neurological problems -- "potentially restore 3-D vision in those people who suffer from an impairment in 3-D perception."

Macknik said a central question that may someday be answered is, "How is it that a bunch of cells in your brain -- neurons -- can hook up in a circuit and somehow create the amazing experience of consciousness?"

The doctors say that research into 3-D movies and their effect on the brain could shed light on neurological diseases and conditions like Alzheimer's and autism.

Martinez-Conde is director of the Laboratory of Visual Neuroscience at BNI. Macknik is director of the Laboratory of Behavioral Neurophysiology. The two are co-authors of "Sleights of Mind: What the Neuroscience of Magic Reveals About our Everyday Deceptions."

Talk About It

Policy >>

Post Comment



Recommend

Sign Up to see what your friends recommend.



Ask About An Advertiser

Most Viewed Stories

- 4 arrested in child's death
- McCain blasts GOP colleagues
- Cards complete trade for Kolb
- Woman calls 911 for no reason
- Some good news, bad news

Most Read On ArizonaSports.com

- Cardinals have their man, trade for Kolb
- Cardinals players react to Kevin Kolb trade
- Super Bowl champion joining Cardinals
- Becht thinks Cardinals need a lot of help
- Cardinals better frivolous than cheap

Phoenix Business Directory

Business Location

Blinds	Home Theater
Bonds	Kitchen Cabinets
Buffet	Lamps
Cabinets	Nanny
Camp	Nursery
Candles	Outlet
Clothing	Party Supplies
Condos	Preschool
Cookies	Shoes
Curtains	Skin Care
Gift Baskets	T Shirts
Gift Shops	Theater
Home Decor	

by MojoPages