

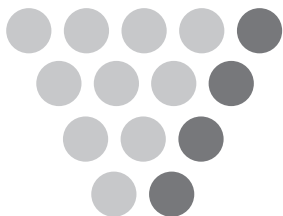
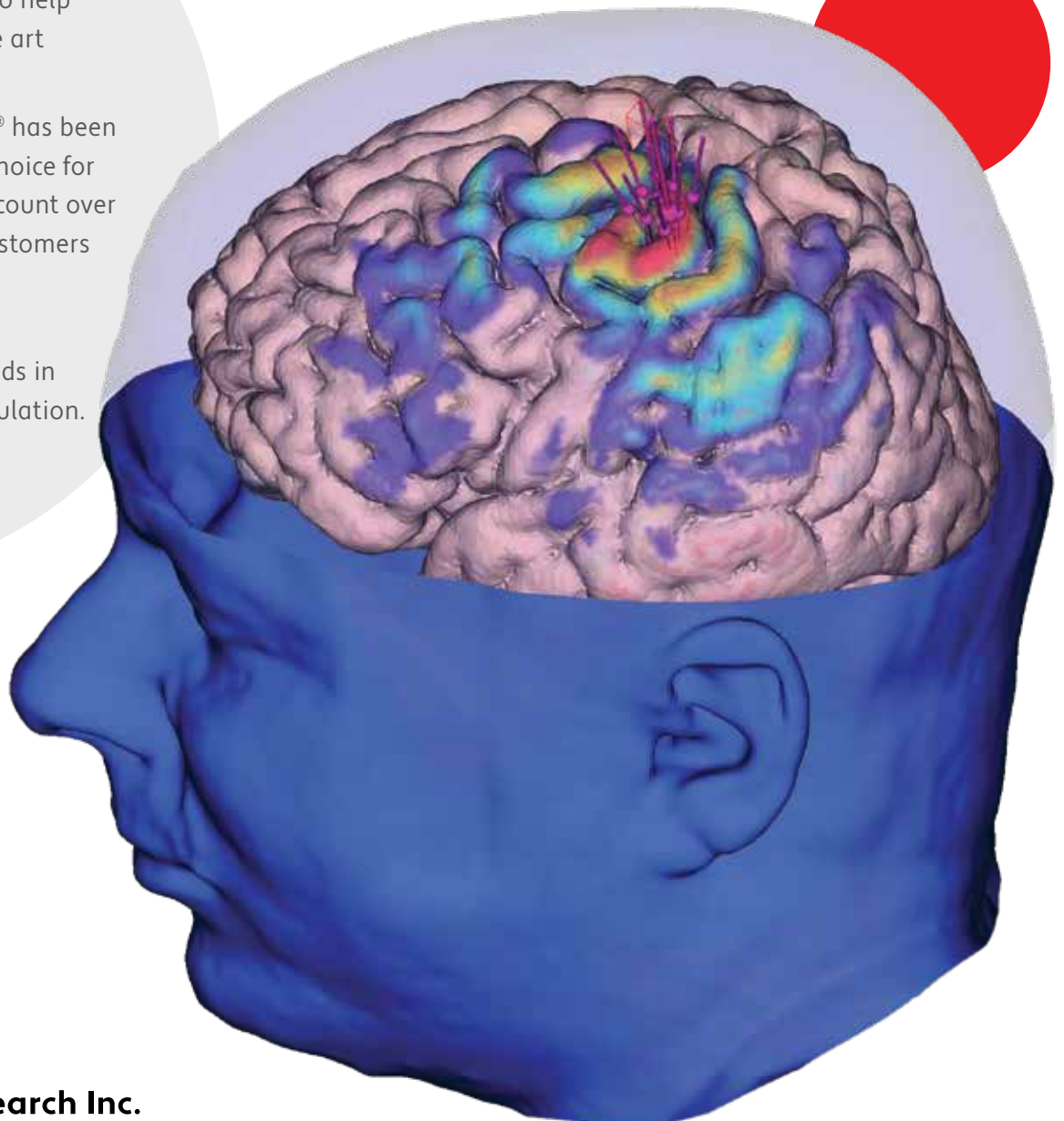
# Brainsight®

## TMS

For 20 years, Rogue Research Inc. has worked alongside neuroscientists from around the world to help advance the state of the art in neuroscience.

For 20 years, Brainsight® has been the neuronavigator of choice for image-guided TMS. We count over 500 TMS users as our customers around the world.

Brainsight® continues to evolve to meet your needs in non-invasive brain stimulation.



**Rogue Research Inc.**

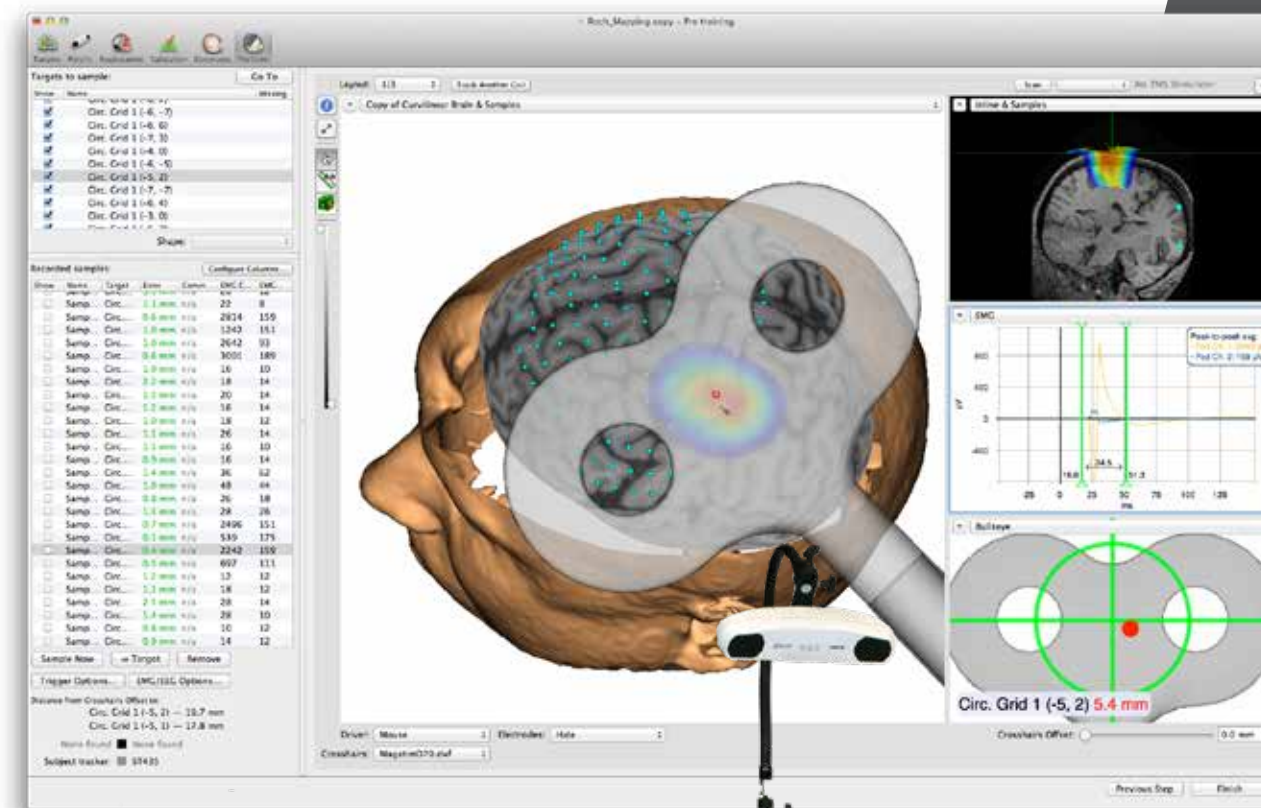
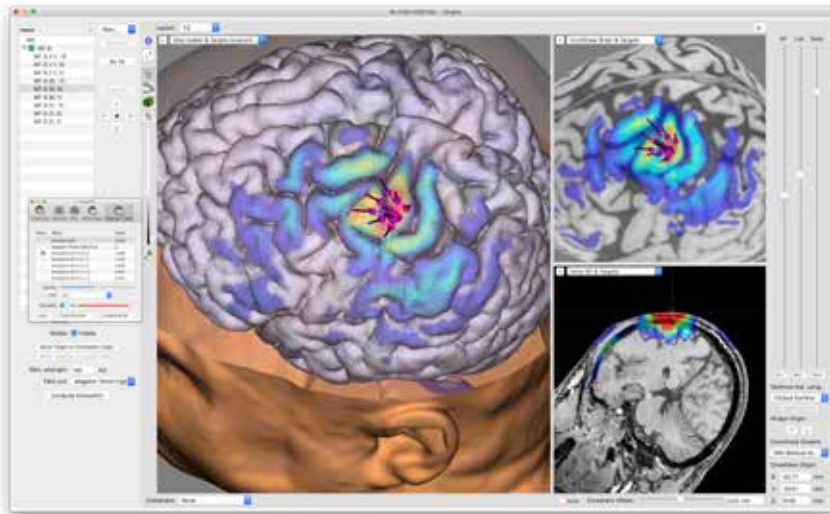
# Brainsight®

# THE NEUROSCIENCE HUB

Brainsight®

NIRS

- 8-, 16-, 24-, 32- channel system
- Unique modular design allows for easy and affordable upgrade
- Up to 100-Hz sampling rate
- Dedicated scalp detectors
- Low profile optodes optimized for TMS and MEG use
- Optodes are compatible with common EEG caps to allow combined EEG and NIRS studies
- Export data to your favourite analysis software
- Import results into Brainsight™ for visualization

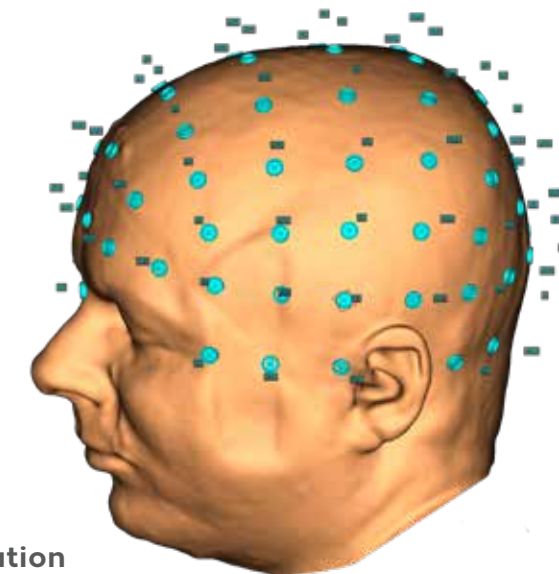


## Brainsight® for TMS

- Works with any coil from any manufacturer
- Flexible, easy coil calibration
- Define target based on anatomy, MNI or Talairach coordinates, MRI overlay, previous TMS session
- Use SimNIBS current modelling to optimize coil placement to your target
- Links to TMS device via TTL trigger and serial port
- Integrated 2-channel EMG for mapping studies
- For each TMS pulse, Brainsight™ can record:
  - coil position and orientation
  - coil status (on supported TMS models)
  - intended target
  - positioning error
  - distance to target
  - EMG response
  - EEG response (when using NEUROPRAX EEG)
  - NIRS optode locations

## Flexible Subject Chair

- Reclined and Upright
- Unique Coil Arm
- Less Intrusive
- Preserves field of view



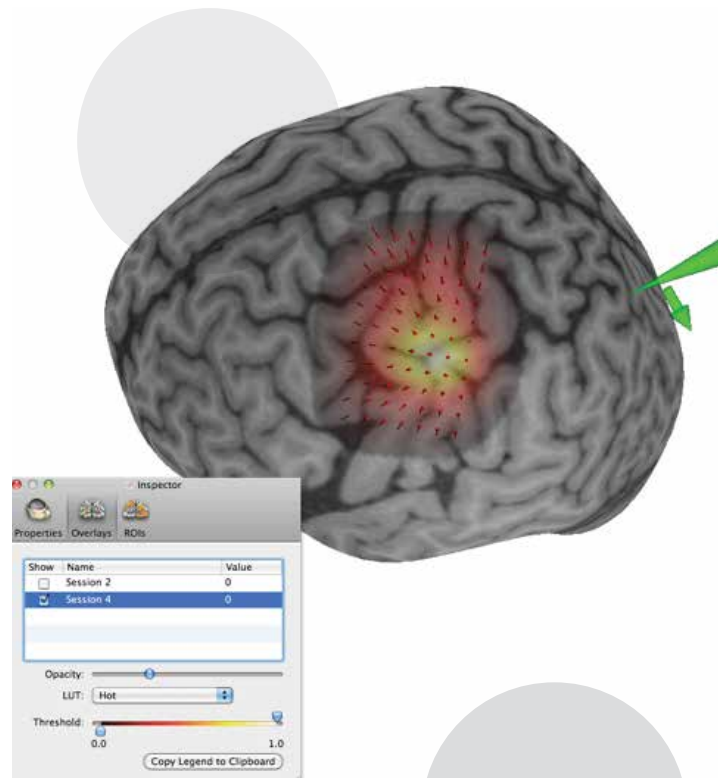
## EEG Integration

- Store Montages for EEG, NIRS or Combination
- Use Brainsight® to ensure correct placement and to record EEG electrode locations
- Export EEG data and electrode locations for Analysis



# Brainsight® Features

- Integration with Brainsight NIRS and EEG electrode recording
- Integrated 2-channel EMG device
- Live EMG display
- NIRS and EEG cap manager
- Improved grid mapping tool
- Integration with SimNIBS for realistic induced current modelling
- Support for Axilum TMS Robots
- Easy to use coil-specific calibration adapters
- Optional subject chair



## ROBOTICS

We are collaborating with Axilum Robotics to combine Brainsight® and their robotic TMS holder. The result offers exciting possibilities for automated TMS applications including motor mapping, automatic coil placement and motion head correction for longer TMS sessions.



## ELEVATE™ TMS

Recently, we have developed our own TMS device, called ElevateTMS™. ElevateTMS™ has the ability to generate new pulse waveforms with variable pulse width, individual phase control and directionality. Based on technology referred to as cTMS, ElevateTMS™ can output monophasic, biphasic, triphasic, quadripulse as well as rTMS with many unidirectional pulse shapes that open up new areas of research in magnetic stimulation.



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