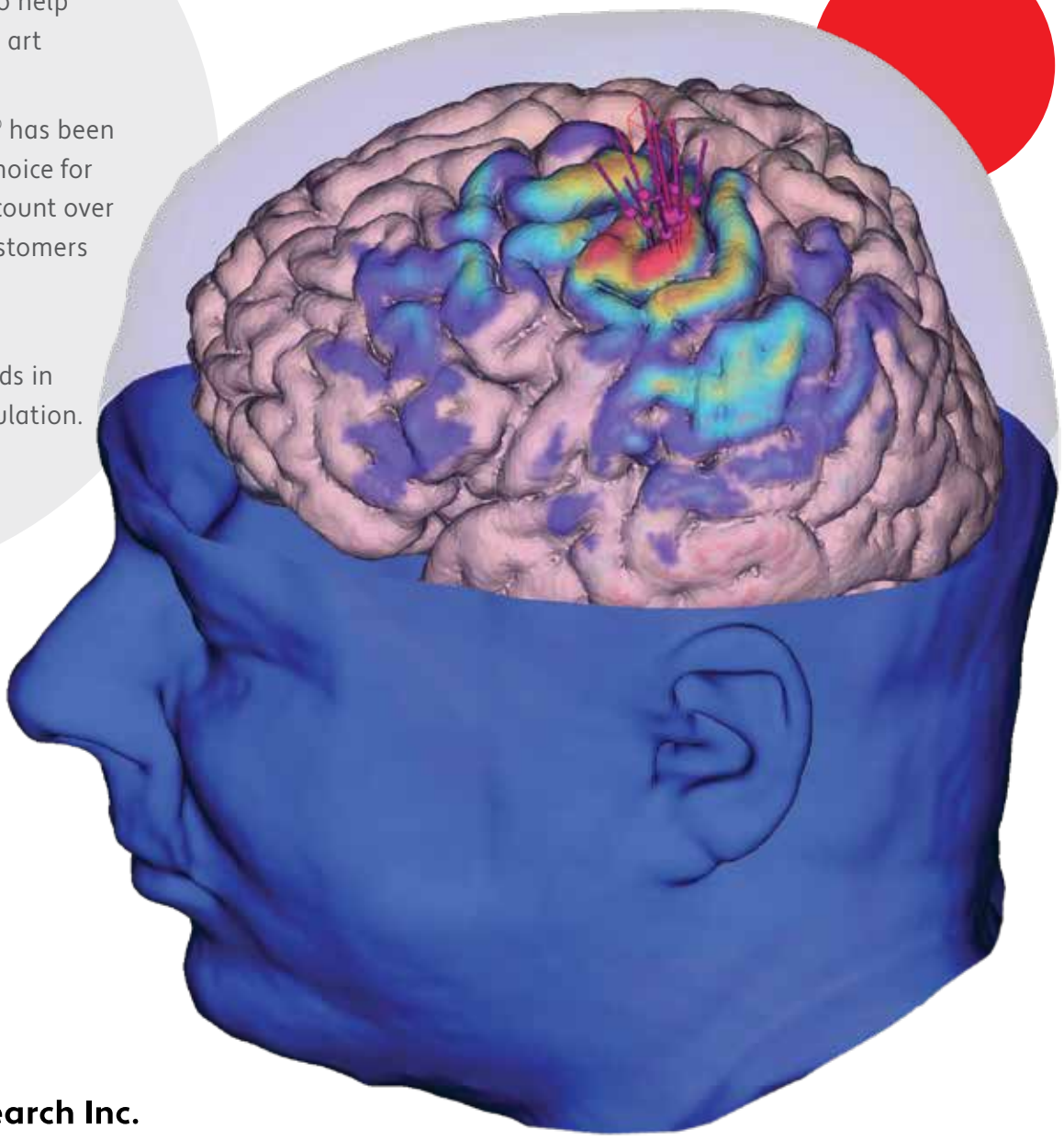
Brainsight®

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.

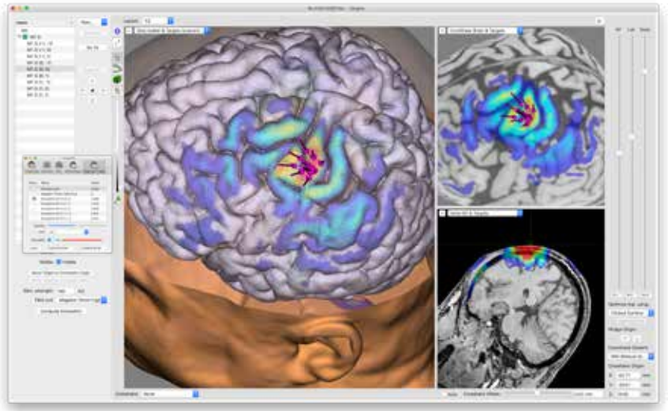
Brainsight® continues to evolve to meet your needs in non-invasive brain stimulation.



Rogue Research Inc.

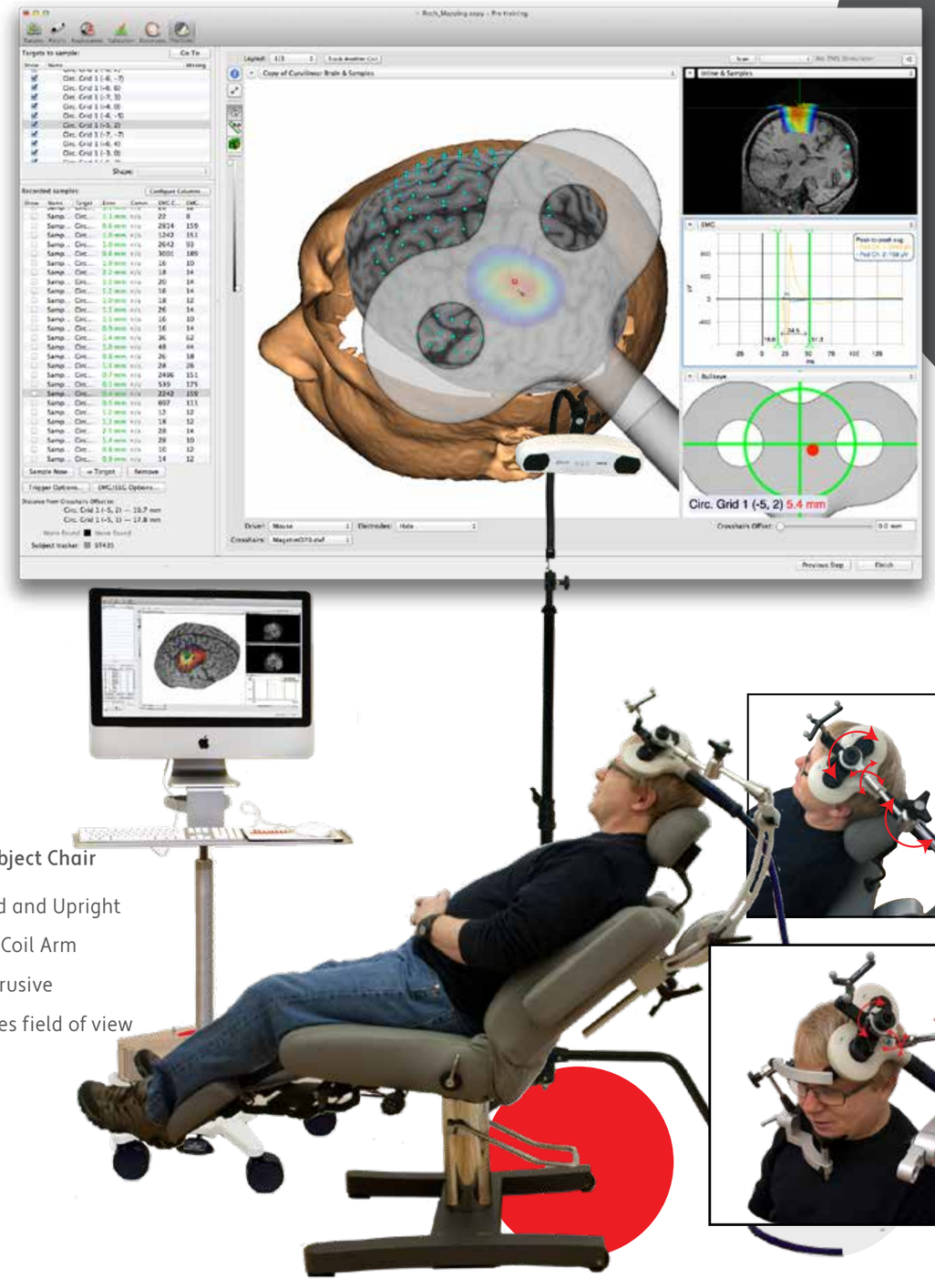
Brainsight®

THE NEUROSCIENCE HUB



Brainsight® 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 NEURO**PRAX** EEG)
  - NIRS optode locations

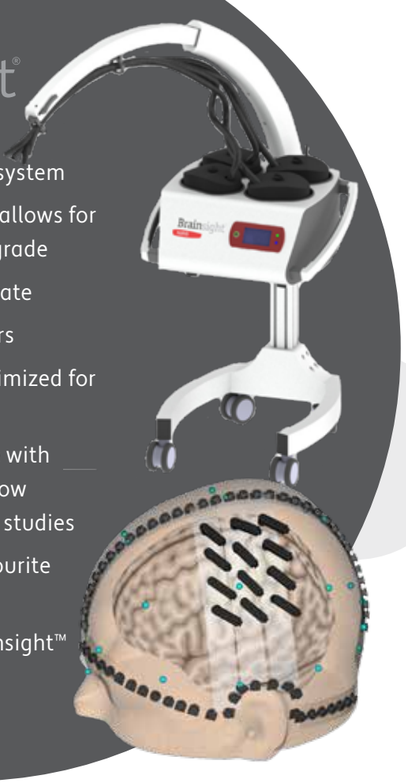


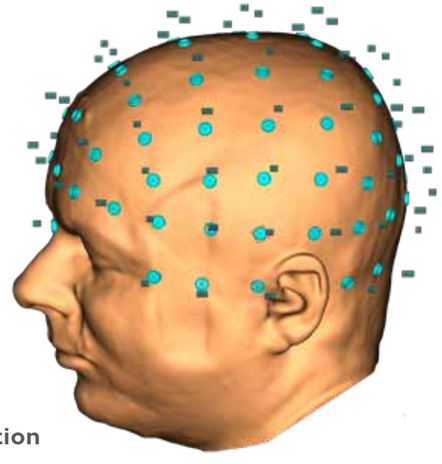
Flexible Subject Chair

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

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



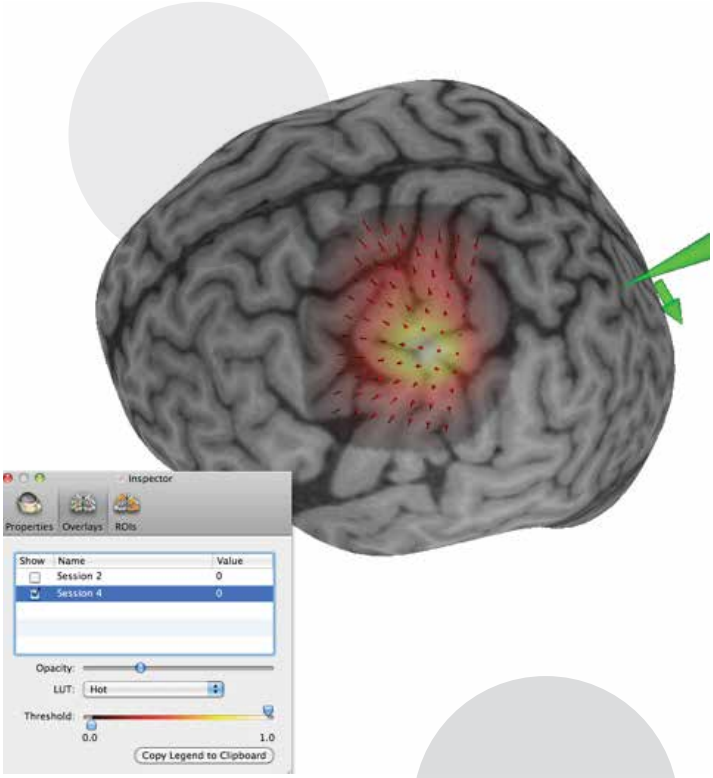


EEG Integration

- 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.

ELEVATETMS

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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