



Functional magnetic resonance imaging (fMRI) is a noninvasive imaging technique for measuring brain activity using the blood-oxygen-level-dependent (BOLD) signal based on the principle of nuclear magnetic resonance (NMR).

Promising Research Initiatives

HU selects and provides priority support to promising research initiatives, which are researcher groups who have the potential to grow into independent world-class research centers (Centers of Excellence).

International Network on Polyoxometalate Science
Core of Research for Organelle Diseases
Catchment Healthy Cycle between urban and rural in Setouchi to Asia, toward the creation (HURu-SATO)
Center for Next Generation Photovoltaics
Developing science and technology for diversity and inclusion
Consolidated research for biogenic nanomaterials

MBR Center
Hiroshima Drug-Delivery Research
Center Using Photoirradiation
Educational Vision Research Institute
The Research Core for Plant Science Innovation
Integrated Research Center for Smart Biosensing
The Research Center for Japanese Foods
Center for Regenerative Therapy for Immediately Responsive to Radiation
Emergency Medicine

Your right and left hands are very similar, yet they are not identical. This property is called chirality. Our research has revealed that chiral magnets made only from right-handed materials are completely different from normal magnets. It is becoming clear that problems with chiral magnets have commonalities with problems in molecule biology and high energy physics. The Center is working to elucidate chirality-related problems from a basic science perspective.