

Resource Summary Report

Generated by [NIF](#) on Aug 19, 2026

National Biomedical Center for Advanced ESR Technology

RRID:SCR_001444

Type: Tool

Proper Citation

National Biomedical Center for Advanced ESR Technology (RRID:SCR_001444)

Resource Information

URL: <http://www.acert.cornell.edu/>

Proper Citation: National Biomedical Center for Advanced ESR Technology (RRID:SCR_001444)

Description: Biomedical technology research center that develops methods, both experimental and theoretical, of modern electron spin resonance (ESR) for biomedical applications. Center technologies are applicable to the determination of the structure and complex dynamics of proteins. Principal areas of expertise: * Pulsed Fourier Transform and Two Dimensional ESR * High Frequency-High Field (HFHF) ESR * High Resolution ESR Microscopy * Theory and Computational Methods for Modern ESR Activities include: * making resources available to the biomedical community, * publishing results, * running workshops on the new methodologies, * addressing the need to bring these new technologies to other laboratories.

Abbreviations: ACERT

Synonyms: ACERT National ESR Center, National Biomedical Center for Advanced Electron Spin Resonance Technology

Resource Type: biomedical technology research center, training resource

Keywords: electron spin resonance, spectrometer, electron spin resonance spectrometer, structure, dynamics, protein, structural biology technology center

Funding: NIGMS P41GM103521;
NCRR P41RR016292

Availability: Free, Freely Available

Resource Name: National Biomedical Center for Advanced ESR Technology

Resource ID: SCR_001444

Alternate IDs: nlx_152669

Record Creation Time: 20220129T080207+0000

Record Last Update: 20260819T044029+0000

Ratings and Alerts

No rating or validation information has been found for National Biomedical Center for Advanced ESR Technology.

No alerts have been found for National Biomedical Center for Advanced ESR Technology.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Borbat PP, et al. (2007) Measuring distances by pulsed dipolar ESR spectroscopy: spin-labeled histidine kinases. Methods in enzymology, 423, 52.