In-Situ NMR Illuminator: Evaluation Opportunity for Japanese Laboratories

FCNMR (Field Cycling Technology Ltd., Taiwan) is offering one In-Situ NMR Illuminator for a two-month evaluation at a selected Japanese research laboratory.

The instrument. The In-Situ NMR Illuminator delivers LED light to the sample inside the magnet of an existing fixed-field NMR spectrometer, enabling photo-CIDNP and other light-driven NMR experiments. It is triggered by TTL signals from the spectrometer console and requires no modification to the spectrometer or probe. The standard configuration allows users to select an LED wavelength from five available ranges: **410–420 nm, 440–455 nm, 465–485 nm, 520–535 nm, and 620–630 nm.** Please indicate your preferred wavelength when applying.

What we offer. Use of the instrument for two months with no equipment usage fee, together with technical support from FCNMR during the evaluation.

Who should apply. Research laboratories with a defined need for sample illumination in NMR, a compatible spectrometer, and a concrete experimental plan. Applicants are asked to briefly indicate how an instrument of this type could be acquired in their laboratory if the evaluation is successful (for example, existing project funds, a planned grant application, or institutional budget).

Conditions. The participating laboratory must designate a researcher responsible for the instrument. FCNMR will arrange and cover the freight costs for shipping the instrument to the selected laboratory in Japan. The laboratory is responsible for import customs clearance in Japan and for any applicable import duties, taxes, or other charges. If the instrument is returned after the evaluation, the laboratory is responsible for arranging and covering the return freight to Taiwan, while FCNMR will handle import customs clearance in Taiwan. If the laboratory proceeds with a purchase, no return shipment will be required, and the purchase and delivery arrangements will be agreed separately. Insurance and handling responsibilities will be set out in a short written loan agreement before shipment.

The exact evaluation start date will be coordinated with the selected laboratory, subject to equipment preparation, shipping, and import arrangements. The two-month evaluation period begins when the instrument is delivered to the laboratory. At the end of the evaluation, the laboratory must submit a short non-confidential technical report and either proceed with a purchase discussion or arrange the return of the instrument within the agreed period. Any public use of evaluation results or the laboratory's name requires prior written permission.

How to apply. Complete the application form at FCNMR webpage by **December 30, 2026**. FCNMR will select one laboratory based on technical suitability, research relevance, and the proposed evaluation plan. The selected laboratory will be notified by **January 30, 2027**. Submitting an application does not guarantee selection. Applications received after the deadline may still be considered if the unit has not yet been assigned.

This program is organized by Field Cycling Technology Ltd. Distribution through an academic society channel does not imply endorsement by that society.

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