

ANNOUNCEMENT

The Division of Research Resources, Biotechnology Resources Branch, of the National Institutes of Health has established a National Stable Isotopes Resource (SIR) at The Los Alamos Scientific Laboratory (LASL). The resource will be operated in conjunction with the laboratory ICONs (isotopes of carbon, oxxygen, and nitrogen) program supported by the Energy Research and Development Administration. The ICONs program encompasses the separation of the ^{12}C , ^{13}C , ^{14}N , ^{15}N , ^{16}O , ^{17}O , and ^{18}O isotopes in large quantities, the preparation of isotope-labeled compounds by inorganic, organic, and biosynthetic techniques, and the performance of physical and biological research with isotopically labeled materials using Fourier transform nuclear magnetic resonance (nmr) and isotope ratio mass spectrometry.

The SIR is dedicated to the development of the uses of stable isotopes of carbon, oxygen, and nitrogen in the biosciences, especially within the NIH community, and will have the following functions:

- (1) The production and provision of an amount of separated ^{13}C , ^{15}N , and ^{18}O adequate to support the program.
- (2) The synthesis of labeled compounds for properly accredited investigators when commercial or other sources are not readily available at an acceptable cost and when the synthetic procedures exist or can be practically developed at the LASL.
- (3) The development of an active program of research collaboration with investigators in the biosciences community providing, as necessary, isotope labeled compounds, nmr, and isotope-ratio mass spectrometric analysis, and data interpretation.
- (4) The provision of advice and assistance to properly accredited

investigators regarding experimental plans and operations which involve the use of ICONs and the annual publication of a Newsletter to disseminate information on ICONs to investigators in the bio-sciences.

- (5) The hosting of visiting scientists for training in the use of stable isotopes and the encouragement of exchanges of talks, short courses, and extended research opportunities.
- (6) The collaboration with other resources in synthesis and mass spectrometric and nmr analyses to accelerate development of isotope methodology.
- (7) The performance of core research designed to keep the resource at a state-of-the-art level.

Although the resource is intended primarily for the support of National Institutes of Health grantees, all qualified biomedical investigators are invited to apply for its materials and services which will be supplied on a no-fee basis to successful applicants.

Applications should be directed to the principal investigator (on standard forms supplied by him), N. A. Matwiyoff, Los Alamos Scientific Laboratory, P. O. Box 1663, Los Alamos, NM 87545, who will transmit them to an advisory committee for review and priority ranking. Additional information can be obtained from the principal investigator.