

STATEMENT OF INTENT  
BETWEEN  
THE DEPARTMENT OF ENERGY OF THE UNITED STATES OF AMERICA  
AND  
THE COMMISSARIAT À L'ENERGIE ATOMIQUE OF FRANCE  
CONCERNING  
EXCHANGE OF INFORMATION ON RESEARCH IN LIFE SCIENCES

The Department of Energy of the United States of America (DOE) and the Commissariat à l'Énergie Atomique of France (CEA) (collectively hereinafter the "Participants")

Sharing an interest for research in life sciences;

Acknowledging that enhancement of knowledge on biological effects of radiation and on impacts of nuclear industry on the biosphere is a prerequisite for a better public acceptance of nuclear energy;

Recognizing the growing contribution of life sciences to technological developments with major economic consequences; and

Noting that representatives of DOE's Office of Biological and Environmental Research (DOE/BER) and CEA's Division of Life Sciences (CEA/DSV) met in Germantown, MD on November 15<sup>th</sup>, 2000, and expressed their desire to establish a framework to exchange information, and discuss matters of mutual interest.

The Participants intend to proceed as follows:

1. The Participants plan to exchange information related to their research programs in life sciences, with the general aim of improving synergies between their respective research strategies and furthering scientific progress. More specifically, the areas of information exchange may include the following:
  - Radiobiology: research on the molecular processes involved in DNA damage and DNA repair following radiation exposure, and assessment of the consequences of radiation exposure, especially at low dose and at low dose rate, on cells.
  - Toxicology of materials associated with the nuclear industry: research on the biospheric distribution and the potential toxicity of radio-nuclides and other materials commonly associated with civil or military nuclear industry, and the development of bioremediation tools based on this knowledge.
  - Molecular nuclear medicine: research on noninvasive functional imaging tools based on molecular labeling with radioactive or stable isotopes, and the application of these tools to the study of organs functions (especially brain and heart), gene expression, cancer diagnosis and therapy follow-up.

- Post-genome structural and functional biology: research on the structure and function of proteins encoded by the genome, and the extension of this knowledge from single proteins to multi-molecular complexes.
  - Biotechnologies: research related to bio-engineering approaches for renewable energy development
  - Other areas of biological science as mutually decided.
2. The Participants may also exchange scientific staff, and explore opportunities for collaborative research in the above mentioned areas. If desirable collaborative research activities are identified, they would be covered by a formal agreement which would include such provisions as intellectual property rights, exchange of business-confidential information, management, and funding.
  3. Subject to compliance with applicable laws and regulations, each Participant intends to limit dissemination of information identified as sensitive by the other Participant without the prior written consent of the Participant providing the information.
  4. The cost of activities undertaken in connection with this Statement of Intent is to be borne by the Participant incurring them unless decided in writing to the contrary and any funding is to be provided subject to the availability of appropriated funds.
  5. The Participants intend to each designate a point of contact to coordinate activities under this Statement of Intent.
  6. Cooperation under this Statement of Intent may commence immediately upon signature.
  7. This Statement of Intent may be terminated at any time at the discretion of either Participant upon sixty (60) days advanced notification in writing by the other Participant seeking the termination.

Done in duplicate.

FOR THE DEPARTMENT OF ENERGY  
OF THE UNITED STATES OF AMERICA:



Date: 1/2/02

FOR THE COMMISSARIAT À  
L'ENERGIE ATOMIQUE OF FRANCE:



**P<sup>r</sup> A. SYROTA**  
Directeur  
des Sciences du Vivant

Date: 1/2/02