extract protein concentration, substrate concentration, ATP utilization, reaction time, temperature, and effect of ionic strength. Similar reactions were performed with the bleomycin-linearized substrate. In all cases, end-joined molecules ranging from dimers to higher molecular weight forms were produced and observed directly in agarose gels stained with Vistra Green and imaged with a FluorImager 595. This method permits detection of less than or equal to 0.25 ng double-stranded DNA per band directly in post-electrophoretically stained agarose gels. Therefore, the optimized end joining reactions required only 100 ng or less of substrate DNA, and up to 50% conversion of substrate to product was achieved.

The DSB end structure was shown to directly affect repair of the strand break. Bleomycin-induced DSBs were repaired at a 6-fold lower rate than blunt-ended DNA, and initiation of the reaction lagged behind that of the blunt-end rejoining reaction. Recent experiments have shown repair of DSBs produced by γ-rays to be 15-fold less efficient than for DSBs produced by restriction enzyme. While repair of the high-LET-like DSB produced by 125I was near the lower limit of detection. Thus, as the cytotoxicity of the DNA damaging agent increases, the DSB created by the agent is less efficiently repaired.

Repair efficiency is also dependent upon the repair capacity of the cellular extract employed as a source of repair enzymes. These repair activities are known to vary from tissue to tissue, and person to person.

Therefore, by using patient samples as a source of enzyme activities, our method might be employed clinically as a predictive assay for patient sensitivity to DNA damaging agents. Knowledge of a patient's sensitivity to DNA damaging agents may permit more effective choices to be made when selecting treatment options in cases of cancer, and other diseases where DNA damaging agents are commonly used.

Sensitization of Cancer Cells to Immunoconjugate-Induced Cell Death by Transfection With Interleukin-13 Receptor Alpha-Chain

R. Puri (FDA), DHHS Reference No. E–032–00/1 filed 31 August 2000

Licensing Contact: Richard Rodriguez; 301/496–7056 ext. 287; e-mail: rodrigur@od.nih.gov

The claimed technology relates to the use of gene transfer techniques to sensitize cancer cells to IL–13 Receptor-mediated immunotoxin induced cell death. Specifically, the inventor has shown that stable gene transfer of the IL–13Rα2 chain, of the IL–13 receptor, significantly sensitizes cancer cells to the effects of IL–13 toxin by approximately 520–1000-fold. Since many cancers, e.g., brain, breast, lung, head and neck, pancreatic, prostate or liver, can be inoperable, direct intratumoral administration of treatment-agents may become necessary. As such, the claimed invention shows that a combination approach, utilizing both gene transfer and systemic or locoregional cytotoxin therapy, may be available as a new potent treatment regimen for intractable or refractory cancers.

Dated: August 13, 2001.

Jack Spiegel,

Director, Division of Technology Development and Transfer, Office of Technology Transfer, National Institutes of Health.

[FR Doc. 01–21265 Filed 8–22–01; 8:45 am]

BILLING CODE 4140–01–P

DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Institutes of Health

National Center for Research Resources; Amended Notice of Meeting

Notice is hereby given of a change in the meeting of the National Advisory Research Resources Council, September 13, 2001, 9:15 AM to September 13, 2001, 5:00 PM, National Center for Research Resources, National Institutes of Health, Conference Room 10, Building 31, Bethesda, MD, 20892 which was published in the **Federal Register** on August 13, 2001, 66 FR 42549.

Executive Subcommittee Meeting scheduled for September 13, 2001 at 8:00 a.m.–9:00 a.m. has been cancelled. The meeting is partially Closed to the public.

Dated: August 16, 2001.

LaVerne Y. Stringfield,

Director, Office of Federal Advisory Committee Policy.

[FR Doc. 01–21254 Filed 8–22–01; 8:45 am]

BILLING CODE 4140–01–M

DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Institutes of Health

National Institute of Child Health and Human Development; Notice of Closed Meeting

Pursuant to section 10(d) of the Federal Advisory Committee Act, as amended (5 U.S.C. Appendix 2), notice is hereby given of the following meeting.

The meeting will be closed to the public in accordance with the provisions set forth in section 552b(c)(4) and 552b(c)(6), Title 5 U.S.C., as amended. The grant applications and the discussions could disclose confidential trade secrets or commercial property such as patentable material, and personal information concerning individuals associated with the grant applications, the disclosure of which would constitute a clearly unwarranted invasion of personal privacy.

Name of Committee: National Institute of Child Health and Human Development Special Emphasis Panel.

Date: August 29, 2001.

Time: 10:00 a.m. to 11:00 a.m.

Agenda: To review and evaluate grant applications.

Place: 6100 Executive Blvd., Room 5E01, Rockville, Md 20852 (Telephone Conference Call).

Contact Person: Robert H. Stretch, PhD, Scientific Review Administrator, Division of Scientific Review, National Institute of Child Health and Human Development, NIH, 6100 Executive Blvd., Room 5E01, MSC 7510, Bethesda, MD 20892, (301) 435–6912.

This notice is being published less than 15 days prior to the meeting due to the timing limitations imposed by the review and funding cycle.

(Catalogue of Federal Domestic Assistance Program Nos. 93.209, Contraception and Infertility Loan Repayment Program; 93.864, Population Research; 93.865, Research for Mothers and Children; 93.929, Center for Medical Rehabilitation Research, National Institutes of Health, HHS)

Dated: August 16, 2001.

LaVerne Y. Stringfield,

Director, Office of Federal Advisory Committee Policy.

[FR Doc. 01–21252 Filed 8–22–01; 8:45 am]

BILLING CODE 4140–01–M

DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Institutes of Health

National Institutes of Arthritis and Musculoskeletal and Skin Diseases; Notice of Meeting

Pursuant to section 10(d) of the Federal Advisory Committee Act, as amended (5 U.S.C. Appendix 2), notice is hereby given of a meeting of the National Arthritis and Musculoskeletal and Skin Diseases Advisory Council.

The meeting will be open to the public as indicated below, with attendance limited to space available. Individuals who plan to attend and need special assistance, such as sign