

ACTION: Notice.

SUMMARY: Notice is hereby given that the Office of Research Integrity (ORI) and the Assistant Secretary for Health have taken final action in the following case:

Clifford R. Robinson, Ph.D., University of Delaware: Based on the reports of investigations conducted by 3-Dimensional Pharmaceuticals, Inc. (3DP) and the University of Delaware (UD) and additional analysis conducted by ORI during its oversight review, the U.S. Public Health Service (PHS) found that Clifford R. Robinson, Ph.D., Assistant Professor, Department of Chemistry and Biochemistry, UD, engaged in misconduct in science involving research supported by National Institute of General Medical Sciences (NIGMS), National Institutes of Health (NIH), grants 1 R43 GM58950-01 and 2 R44 GM58950-02, "Four-helix bundle analog of a G-protein coupled receptor (C. Robinson, Principal Investigator [P.I.]). The following grant applications also were involved in Dr. Robinson's misconduct in science:

1 R43 GM62708-01, "Improved method for protein refolding" (C.R. Robinson, P.I.), submitted March 30, 2000; approved but not funded, withdrawn.

1 P20 RR017716-01, "Design of hierarchical recognition motifs," Project V, "Determinants of stability and assembly of integral membrane proteins" (C.R. Robinson, Project Investigator), submitted March 1, 2002, funded September 16, 2002, to August 30, 2007.

1 R01 GM074789-01, "Folding and stability of integral membrane proteins" (C.R. Robinson, P.I.), submitted October 1, 2004; scored not competitive, not funded.

1 R01 GM075891-01, "Membrane protein expression, solubilization, and refolding" (C.R. Robinson, P.I.), submitted January 24, 2005; approved but not funded, pending.

1 R21 GM07953-01, "Mini-receptor analogs of GPCRs" (C.R. Robinson, P.I.), submitted January 25, 2005; not funded.

Specifically, PHS found that Dr. Robinson engaged in the following acts of misconduct in science. With regard to the following paragraphs numbered 1-6, nothing herein shall be deemed as an admission of liability on the part of Dr. Robinson.

1. While at 3DP, Dr. Robinson systematically substituted crystallized chicken ovalbumin in place of β_2 -AR-NQ and repeatedly provided these crystalline preparations to other scientists to conduct molecular analyses. Dr. Robinson made false

claims about his progress on characterizing β_2 -AR-NQ and falsely claimed to have supplied purified β_2 -AR-NQ to 3DP staff in project team meetings (PTM) held on at least five occasions between July 14, 1998, and July 7, 1999.

2. Dr. Robinson made multiple false claims about his research on β_2 -AR-NQ in NIH grant applications R44 GM58950-02, submitted April 1, 1999, supplemental material for the same application submitted on July 7, 1999, and NIH grant application R43 GM62708-01, submitted March 30, 2000.

3. Dr. Robinson made similar claims as in item 1 above concerning the wild type form of β_2 -AR, by substituting canine ovalbumin. Dr. Robinson's false claims were made to 3DP staff at PTM meetings on at least three occasions between September 7, 1999, and March 30, 2000, and in NIH grant application R43 GM62708-01, and after moving to UD, in NIH grant application 1 P20 RR017716-01, submitted on March 1, 2002.

4. Dr. Robinson was unable to adequately produce recombinant β_2 -AR in *E. coli* and made false claims at PTM meetings in September and October 1999 that he had successfully expressed active protein and had purified it for crystallization trials. Dr. Robinson also made false claims in NIH grant applications R43 GM62708-01 and 1 R01 GM07589-01, submitted January 24, 2005, that he had purified large amounts of β_2 -AR-NQ from *E. coli* and that he had reconstituted the protein into its native biologically active form.

5. Dr. Robinson made false claims about his ability to produce, purify, and characterize a recombinant fragment of β_2 -AR-NQ containing four transmembrane domains (β_2 -AR-4HB) at PTM meetings in October 1998 and in NIH grant applications R44 GM58950-02 and 1 P20 RR017716-01.

6. Dr. Robinson falsified fluorescence spectra and circular dichroism measurements in Figure 7 (both left and right panels) of NIH grant application R44 GM58950-02 by substituting results obtained with different proteins.

7. After moving to UD, Dr. Robinson made false claims in NIH grant application 1 P20 RR017716-01, including presenting falsified data in both panels of Figures V.5 (fluorescence spectra and circular dichroism measurements) and V.9 (falsified experimental conditions).

8. While at UD, Dr. Robinson falsified circular dichroism and fluorescence data in NIH grant application 1 R01 GM074789-01 (Figures 5A, 5B, and 6) and circular dichroism data in NIH

grant applications 1 R01 GM075891-01 (Figure 6) and 1 R21 GM075953-01 (Figure 5).

9. In presentations at the Biophysical Society annual meeting and a Cornell University Consortium meeting, both in 1999, Dr. Robinson falsely represented data obtained with cytochrome b562 as being obtained with β_2 -AR.

Dr. Robinson has entered into a Voluntary Exclusion Agreement in which he has voluntarily agreed, for a period of five (5) years, beginning on October 23, 2006:

(1) To exclude himself from any contracting or subcontracting with any agency of the United States Government and from eligibility for or involvement in nonprocurement programs of the United States Government as defined in the debarment regulations at 45 CFR Part 76; and

(2) to exclude himself from serving in any advisory capacity to PHS, including but not limited to service on any PHS advisory committee, board, and/or peer review committee, or as a consultant.

FOR FURTHER INFORMATION CONTACT:

Director, Division of Investigative Oversight, Office of Research Integrity, 1101 Wootton Parkway, Suite 750, Rockville, MD 20852, (240) 453-8800.

Chris B. Pascal,

Director, Office of Research Integrity.

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DEPARTMENT OF HEALTH AND HUMAN SERVICES

Agency for Toxic Substances and Disease Registry

[ATSDR-226]

Availability of Final Toxicological Profiles

AGENCY: Agency for Toxic Substances and Disease Registry (ATSDR), Department of Health and Human Services (HHS).

ACTION: Notice of availability.

SUMMARY: This notice announces the availability of one new and five updated final toxicological profiles of priority hazardous substances comprising the eighteenth set prepared by ATSDR.

FOR FURTHER INFORMATION CONTACT: Ms. Olga Dawkins, Division of Toxicology and Environmental Medicine, Agency for Toxic Substances and Disease Registry, Mailstop F-32, 1600 Clifton Road, NE., Atlanta, Georgia 30333, telephone (770) 488-3315. Electronic access to these documents is also

available at the ATSDR Web site:
<http://www.atsdr.cdc.gov/toxpro2.html>.

SUPPLEMENTARY INFORMATION: The Superfund Amendments and Reauthorization Act of 1986 (SARA) (42 U.S.C. 9601 *et seq.*) amended the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA or Superfund) (42 U.S.C. 9601 *et seq.*) by establishing certain requirements for ATSDR and the U.S. Environmental Protection Agency (EPA) with regard to hazardous substances that are most commonly found at facilities on the CERCLA National Priorities List (NPL). Among these statutory requirements is a mandate for the Administrator of ATSDR to prepare toxicological profiles for each substance included on the priority lists of hazardous substances. These lists identified 275 hazardous substances that ATSDR and EPA determined pose the most significant potential threat to human health. The availability of the revised list of the 275 priority substances was announced in

the **Federal Register** on December 7, 2005 (70 FR 234). For prior versions of the list of substances, see **Federal Register** notices dated April 17, 1987 (52 FR 12866); October 20, 1988 (53 FR 41280); October 26, 1989 (54 FR 43619); October 17, 1990 (55 FR 42067); October 17, 1991 (56 FR 52166); October 28, 1992 (57 FR 48801); February 28, 1994 (59 FR 9486); April 29, 1996 (61 FR 18744); November 17, 1997 (62 FR 61332); October 21, 1999 (64 FR 56792); October 25, 2001 (66 FR 54014) and November 7, 2003 (68 FR 63098).

Notice of the availability of drafts of these five updated and one new toxicological profiles for public review and comment was published in the **Federal Register** on October 22, 2004, (69 FR 62049), with notice of a 90-day public comment period for each profile, starting from the actual release date. Following the close of the comment period, chemical-specific comments were addressed, and, where appropriate, changes were incorporated into each profile. The public comments and other

data submitted in response to the **Federal Register** notices bear the docket control number ATSDR-205. This material is available for public inspection at the Division of Toxicology and Environmental Medicine, Agency for Toxic Substances and Disease Registry, 1825 Century Boulevard, Atlanta, Georgia (not a mailing address), between 8 a.m. and 4:30 p.m., Monday through Friday, except legal holidays.

Availability

This notice announces the availability of one new and five updated final toxicological profiles of priority hazardous substances comprising the eighteenth set prepared by ATSDR.

The following toxicological profiles are now available through the U.S. Department of Commerce, National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, Virginia 22161, telephone 1-800-553-6847. There is a charge for these profiles as determined by NTIS.

Eighteenth Set:

Toxicological profile	NTIS Order No.	CAS No.
1. Cyanide, Hydrogen cyanide, Sodium cyanide, Potassium cyanide	PB2007-100674	000057-12-5 000074-90-8 000143-33-9 000151-50-8
2. Dichlorobenzenes, 1, 2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene	PB2007-100672	025321-22-6 000095-50-1 00541-73-1 00106-46-7
3. 1, 4-Dioxane *	PB2007-100676	000123-91-1
4. Hydrogen Sulfide	PB2007-100675	007783-065-4
5. 1, 1, 1-Trichloroethane	PB2007-100673	000071-55-6
6. Vinyl Chloride	PB2007-100671	000075-01-4

* Denotes new profile

Dated: November 17, 2006.

Ken Rose,

Acting Director, Office of Policy, Planning and Evaluation, National Center for Environmental Health/Agency for Toxic Substances and Disease Registry.

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DEPARTMENT OF HEALTH AND HUMAN SERVICES

Centers for Disease Control and Prevention

Request for Nominations of Candidates to Serve on the Advisory Committee on Immunization Practices, Centers for Disease Control and Prevention, Department of Health and Human Services

The Centers for Disease Control and Prevention (CDC) is soliciting

nominations for possible membership on the Advisory Committee on Immunization Practices (ACIP). This committee provides advice and guidance to the Secretary, Department of Health and Human Services (HHS), and the Director, CDC, regarding the most appropriate application of antigens and related agents for effective communicable disease control in the civilian population. The committee reviews and reports regularly on immunization practices and recommends improvements in the national immunization efforts.

The committee also establishes, reviews, and as appropriate, revises the list of vaccines for administration to children eligible to receive vaccines through the Vaccines for Children (VFC) Program.

Nominations are being sought for individuals who have expertise and qualifications necessary to contribute to

the accomplishments of the committee's objectives. Nominees will be selected based upon expertise in the field of immunization practices; multi-disciplinary expertise in public health; expertise in the use of vaccines and immunologic agents in both clinical and preventive medicine; knowledge of vaccine development, evaluation, and vaccine delivery; or knowledge about consumer perspectives and/or social and community aspects of immunization programs. Federal employees will not be considered for membership. Members may be invited to serve for up to four-year terms.

Consideration is given to representation from diverse geographic areas, both genders, ethnic and minority groups, and the disabled. Nominees must be U.S. citizens.

The following information must be submitted for each candidate: name, affiliation, address, telephone number,