



研究者の行動規範に関する国際標準教育をめざす CITI プロジェクトについて

文部科学省「大学間連携共同教育推進事業」 CITI Japanプロジェクト
信州大学医学部特任教授(プロジェクト副統括)
Vanderbilt大学医学部小児科学・内科学教授

市 川 家 國

CITI: “Collaborative Institutional Training Initiative”

市川 家國 略歴

1965	栄光学園高等学校卒
1972	慶応義塾大学医学部卒
1972-1975	北里大学病院病棟医(小児科)
1975-1976	UCSF心臓血管研究所研究員
1976-1980	Harvard大学内科腎臓部門研究員
1980-1985	Harvard大学内科学講師→小児科学准教授
1985-	Vanderbilt大学小児科学/内科学教授
1998-2005	東海大学医学部小児科学教授
2005-2012	東海大学医学部生命倫理学教授
2007-	Vanderbilt 大学生命医倫理学連携教員
2012-	信州大学特任教授・東海大学非常勤教授



Dr. Donald WRIGHT (USA)
MD, M.P.H.
Deputy Assistant Secretary, Healthcare Quality
Acting Director, Office of Research Integrity, U.S. Department of Health and Human Services

**Misconduct rate is:
3 – 35%**



Dr. John E. DAHLBERG (USA)
Director, Division of Investigative Oversight, Office of Research Integrity, U.S. Department of Health and Human Services

Dr. Peter D. Drenth (GERMANY)
President, European Molecular Biology Organization



Dr. John C. GALLAND (USA)
Director, Division of Education and Integrity, Office of Research Integrity, U.S. Department of Health and Human Services



Ms. Catherine QUINN (UK)
Head of Research Integrity, The Wellcome Trust



Dr. John M. BREHM (USA)
Founder & VP Product Development, National Science Foundation

Dr. John M. Brehm (USA)
Founder & VP Product Development, National Science Foundation

1件の不正疑惑につき3人の
スタッフを2-3年貼り付ける
必要があり、10人のス
タッフではとても機能でき
ませんよ。



Professor Maria LEPTIN (GERMANY)
Director, European Molecular Biology Organization

Dr. Catherine KLEINERT (UK)
Senior Executive Editor, The Lancet
Vice Chair, Committee on Publication Ethics



Dr. Linda J. MILLER (USA)
Executive Editor, Nature and the Nature journals



Dr. Bernd PULVERER (GERMANY)
Head of Scientific Publications
Chief Editor, The European Molecular Biology Organization Journal



Ms. Allison C. LERNER (USA)
Inspector General, Office of Inspector General, National Science Foundation



Ms. Diane M. SULLENBERGER (USA)
Executive Editor, Proceedings of the National Academy of Sciences



Office of Research Integrity
U.S. Department of Health and Human Services

(研究公正局)

監視

Division of Investigative Oversight
(DIO)

教育

Division of Education and Integrity
(DEI)

NSF & NIH Requirements

On August 20, 2009, the **National Science Foundation (NSF)** published ([74 FR 42126 \[PDF\]](#)) a new requirement for RCR education. For proposals submitted on or after January 4, 2010 and subsequently awarded, institutions are responsible for verifying that undergraduate students, graduate students and postdoctoral researchers supported by NSF to conduct research have received (RCR) training. At this time CMU is using the **CITI RCR online program** to meet the NSF requirement. See the [CITI On-line RCR Education](#) page.

For NSF awards resulting from proposals submitted on or after January 4, 2010, RCR education needs to be completed by undergraduates, graduate students and post-doctoral researchers prior to them receiving any financial support from the award. It does not need to be completed at the time the proposal is submitted. If the NSF application requires a description of the RCR education program at CMU you may use this [standard language \[PDF\]](#) as a guide.

The **National Institutes of Health (NIH)** also requires RCR education for certain types of awards (Institutional Research Training Grants, Individual Fellowship Awards, Career Development Awards (Institutional and Individual), Research Education Grants, Dissertation Research Grants other grant programs with a training component that requires instruction in responsible conduct of research). The recently updated [NIH Policy on Responsible Conduct of Research Education](#) will take effect with all new and renewal applications submitted on or after January 25, 2010, and for all continuation (Type 5) applications with deadlines on or after January 1, 2011. The **CITI RCR modules** may be used to partially satisfy the NIH requirements.

「責任ある研究行為（RCR）」教育の項目

Responsible Conduct of Research

1. データの収集、管理、共有。所有
2. 研究を指導する者および受ける者の責任
3. 論文発表と著者の責任
4. ピアレビュー
5. 共同研究
6. ヒトを対象とした研究
7. 動物を用いた研究
8. 研究における不正行為
9. 利益相反と責務
10. 法令・指針および施設内規則の遵守
11. 上記に関する習得を確保するための評価手段
12. 研究における安全対策
13. 研究者の社会的義務
14. 内部告発
15. 国外搬送と国の安全保障
16. 研究費の取り扱い

捏造、改ざん、盗用
公費の不正使用

規則学習
不正行為

倫理学習

- ・ データの曲解
- ・ ライバル研究者への妨害行為
- ・ 公的資金の浪費
- ・ オーサーシップの政治的利用
- ・ 公的資金審査における利益誘導
- ・ 利益相反状況の無視・軽視
- ・ 科学性の軽視・誇大発表への加担
- ・ 節度を欠く内部告発
- ・ 社会的弱者からの搾取
- ・ 倫理教育への消極的姿勢
- ・

ミスコングダクト

倫理観の成長

(Kohlberg's Theory)

人類・社会・地球環境

Post-conventional Level
(professional, concern for wider, universal society)

Conventional Level
(*concern about community*)

同僚・クライアント

ルール
罰則 教育

Pre-conventional Level
(*avoid punishment*)

自己防衛



NPO教員ボランティア団体

米国CITI 創設時(2000年4月)

教材

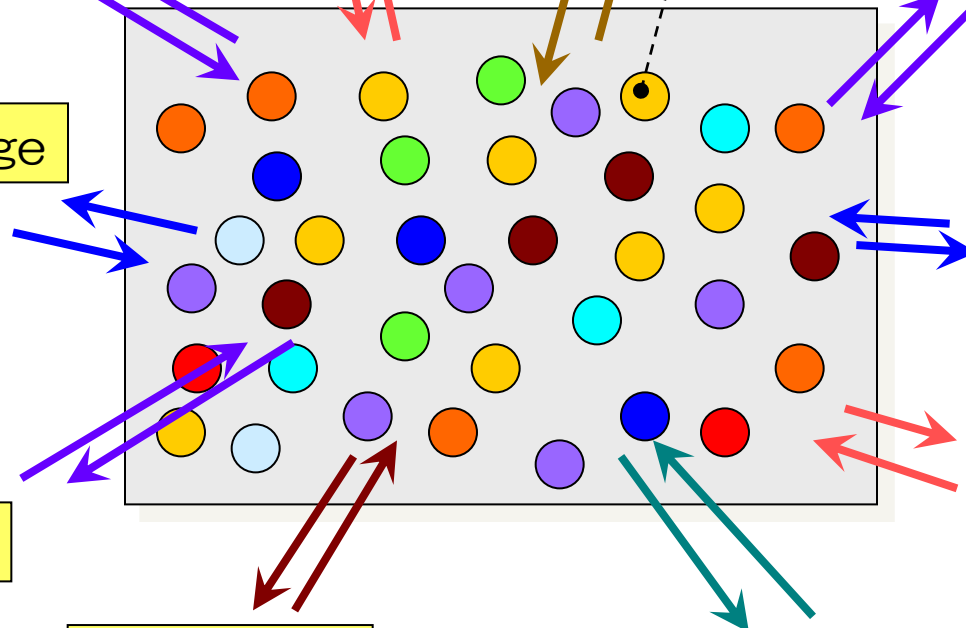
Albany Med Ctr

Children's, Boston

Fred Htchinson Ca Ctr

Univ Washington

Dartmouth College



Nat'l Com Ca Net

U Kentucky

Group Health Co

Univ Miami

Univ Nebraska