The Journal of Law, Medicine & Ethics (JLME): Material published in *The Journal of Law, Medicine & Ethics* (JLME) contributes to the educational mission of the American Society of Law, Medicine & Ethics, covering public health, health disparities, patient safety and quality of care, and biomedical science and research, and more.

Editorial Office
Journal of Law, Medicine & Ethics, 765 Commonwealth Avenue, Suite 1704, Boston, MA 02215 USA
Phone: 617-262-4990; Fax: 617-437-7596
E-mail: thutchinson@aslme.org

Letters to the Editors: Comments on articles in the Journal should be addressed to the Editor at the editorial office or emailed to thutchinson@aslme.org.

Submission Guidelines: For submission guidelines, please contact the editorial office at thutchinson@aslme.org. Submission guidelines are also available online at http://journals.sagepub.com/home/lme.

The Journal of Law, Medicine & Ethics (ISSN 1073-1105) (J812) is published quarterly—in March, June, September and December—by SAGE Publishing, 2455 Teller Road, Thousand Oaks, CA 91320 in association with the American Society of Law, Medicine & Ethics. Send address changes to the Journal of Law, Medicine & Ethics, c/o SAGE Publishing, 2455 Teller Road, Thousand Oaks, CA 91320.

Subscription Information: All subscription inquiries, orders, back issues, claims, and renewals should be addressed to SAGE Publishing, 2455 Teller Road, Thousand Oaks, CA 91320; telephone: (800) 818-SAGE (7243) and (805) 499-0721; fax: (805) 375-1700; e-mail: journals@sagepub.com; website: journals.sagepub.com. Subscription Price: Institutions: $1015. For all customers outside the Americas, please visit http://www.sagepub.co.uk/customerCare.nav for information. Claims: Claims for undelivered or damaged copies must be made no later than six months following month of publication. The publisher will supply replacement issues when losses have been sustained in transit and when the reserve stock will permit.

Member Subscription Information: American Society of Law, Medicine & Ethics member inquiries, change of address, back issues, claims, and membership renewal requests should be addressed to Membership Director, American Society of Law, Medicine & Ethics, 765 Commonwealth Avenue, Suite 1704, Boston, MA 02215; telephone: (617) 262-4990 ext. 15; fax: (617) 437-7597. Requests for replacement issues should be made within six months of the missing or damaged issue. Beyond six months and at the request of the American Society of Law, Medicine & Ethics, the publisher will supply replacement issues when losses have been sustained in transit and when the reserve stock permits.

Supplements: Address all correspondence to Barbara Eisenberg, SAGE Publishing, Thousand Oaks, California 91320, (805) 410-7763 (phone), reprint@sagepub.com (e-mail).

Change of Address for Non-Members: Six weeks' advance notice must be given when notifying of change of address. Please send the old address label along with the new address to the SAGE office address above to ensure proper identification. Please specify the name of the journal.

THE JOURNAL OF

LAW, MEDICINE & ETHICS

VOLUME 47:4 • WINTER 2019

THE JOURNAL OF

LAW, MEDICINE & ETHICS

CONTENTS

VOLUME 47:4 • WINTER 2019

Symposium 1 Articles

SYMPOSIUM 1

The Promise and Challenges of Microbiome-Based Therapies

Guest Edited by Diane E. Hoffmann

SYMPOSIUM 2

Regulation of International Direct-to-Participant Genomic Research

Guest Edited by Mark A. Rothstein and Bartha Maria Knoppers

Cover image ©Getty Images

https://doi.org/10.1017/S1073110500025821 Published online by Cambridge University Press

THE JOURNAL OF
LAW, MEDICINE & ETHICS

CONTENTS

VOLUME 47:4 • WINTER 2019

THE JOURNAL OF
LAW, MEDICINE & ETHICS

CONTENTS

VOLUME 47:4 • WINTER 2019

Symposium 2 Articles

https://doi.org/10.1017/S1073110500025821 Published online by Cambridge University Press

THE JOURNAL OF
LAW, MEDICINE & ETHICS

CONTENTS

VOLUME 47:4 • WINTER 2019

Independent Articles

https://doi.org/10.1017/S1073110500025821 Published online by Cambridge University Press

THE JOURNAL OF
LAW, MEDICINE & ETHICS

CONTENTS

VOLUME 47:4 • WINTER 2019

Symposium articles *are solicited by the guest editor for the purposes of creating a comprehensive and definitive collection of articles on a topic relevant to the study of law, medicine and ethics. Each article is peer reviewed.*

Independent articles *are essays unrelated to the symposium topic, and can cover a wide variety of subjects within the larger medical and legal ethics fields. These articles are peer reviewed.*

Columns *are written or edited by leaders in their fields and appear in each issue of JLME.*

Next Issue:

LawSeq: Building a Sound Legal Foundation for Translating Genomics into Clinical Application

A Symposium Guest Edited by Susan M. Wolf, Ellen Wright Clayton, and Frances Lawrenz

Columns

https://doi.org/10.1017/S1073110500025821 Published online by Cambridge University Press