Mastering the Chargemaster: Minimizing Price-Gouging and Exposing the Structural Flaws in the Healthcare "Market"
John T. McLean and Vinay Datar

Cloud Computing and the NSA: The Carbon Footprint of the Secret Servers
Jasmine N. Story

Statutory Requirements for Artificial Insemination: A Sperm Donor’s Fight to Let Go of His Rights
Benjamin T. Forman
# TABLE OF CONTENTS

## ARTICLES

<table>
<thead>
<tr>
<th>Page</th>
<th>Author(s)</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>John T. McLean and Vinay Datar</td>
<td>Mastering the Chargemaster: Minimizing Price-Gouging and Exposing the Structural Flaws in the Healthcare &quot;Market&quot;</td>
</tr>
<tr>
<td>33</td>
<td>Jasmine N. Story</td>
<td>Cloud Computing and the NSA: The Carbon Footprint of the Secret Servers</td>
</tr>
</tbody>
</table>

## NOTE

<table>
<thead>
<tr>
<th>Page</th>
<th>Author(s)</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>66</td>
<td>Benjamin T. Forman</td>
<td>Statutory Requirements for Artificial Insemination: A Sperm Donor's Fight to Let Go of His Rights</td>
</tr>
</tbody>
</table>
The Pittsburgh Journal of Environmental and Public Health Law (PJEPHL) is published annually by the University Library System, University of Pittsburgh under the editorial control of students of the University of Pittsburgh School of Law, 3900 Forbes Avenue, Pittsburgh, PA 15260. PJEPHL can be contacted by email at pjephl@pitt.edu. PJEPHL is freely available to readers worldwide at http://pjephl.law.pitt.edu. PJEPHL is printed by Western Newspaper Publishing Co., Inc., Indianapolis, Indiana. Copyright for each work contained in this issue is retained by the author and under a Creative Commons Attribution-Noncommercial-No Derivative Works 3.0 United States License.

INFORMATION FOR CONTRIBUTORS

The Editors invite the submission of unsolicited manuscripts for publication. Submissions will be reviewed based on the following criteria: appropriateness of topical subject matter to both the overall Journal and specific volume focus, the novelty of the issue raised, the scope of the area covered, the relevance to the broader legal community as well as southwestern Pennsylvania, and the completeness and usability of the material as presented. Please confine the author's name and biographical information to a removable title page. Footnotes should conform to the 19th edition of The Bluebook: A Uniform System of Citation.

Manuscripts can be submitted electronically or in any easily readable format to Articles Editors, Pittsburgh Journal of Environmental and Public Health Law, 3900 Forbes Avenue, Pittsburgh, PA 15260. Manuscripts will not be returned.
UNIVERSITY OF PITTSBURGH
ADMINISTRATION AND FACULTY
OF THE SCHOOL OF LAW

PATRICK D. GALLAGHER, Chancellor and Chief Executive Officer. B.S., Benedictine College; Ph.D., University of Pittsburgh.
WILLIAM M. CARTER, JR., Dean and Professor of Law. B.S., Bowling Green State University; J.D., Case Western Reserve University.
KEVIN DEASY, Associate Dean of Students and Associate Professor of Legal Writing. B.A., Pennsylvania State University; M.S.W., J.D., University of Pittsburgh.
ANTHONY C. INFANTI, Senior Associate Dean for Academic Affairs and Professor of Law. B.A., Penn State University; J.D., University of California, Berkeley; LL.M., New York University.
VINCENT O. JOHNSON, Director of Administration. B.A., Harvard University; M.B.A., Waynesburg University.

FACULTY AND LIBRARIANS

JESSIE ALLEN, Assistant Professor of Law. B.F.A., New York University; J.D., Brooklyn University; J.S.D., Columbia University.
KEVIN D. ASHLEY, Professor of Law. B.A., Princeton University; J.D., Harvard University; M.A., Ph.D., University of Massachusetts.
ELENA A. BAYLIS, Associate Professor of Law. B.A., University of Oregon; J.D., Yale University.
DEBORAH L. BRAKE, Professor of Law. B.A., Stanford University; J.D., Harvard University.
RONALD A. BRAND, Professor of Law and Director of the Center for International Legal Education. B.A., University of Nebraska; J.D., Cornell University.
DOUGLAS M. BRANSON, W. Edward Sell Chair in Business Law. B.A., University of Notre Dame; J.D., Northwestern University; LL.M., University of Virginia.
BENJAMIN E. BRATMAN, Associate Professor of Legal Writing. B.A., University of Washington; J.D., Vanderbilt University.
TERESA K. BROSTOFF, Director of the Legal Writing Program and Professor of Legal Writing. B.S., J.D., University of Pittsburgh.
WILLIAM J. BROWN, Professor Emeritus of Law. B.A., Seton Hall University; LL.B., Catholic University of America; LL.M., Yale University; Certificate in International Business Law, City of London College.
JOHN M. BURKOFF, Professor of Law. A.B., J.D., University of Michigan; LL.M., Harvard University.
NANCY M. BURKOFF, Associate Professor of Legal Writing. A.B., University of Michigan; J.D., University of Pittsburgh.
PAT K. CHEW, Judge J. Quint Salmon and Anne Salmon Chair. A.B., Stanford University; J.D., M.Ed., University of Texas.
CHARLES C. COHEN, Visiting Professor from Practice. A.B., Dartmouth College; J.D., University of Michigan.
DANSHERA CORDS, Distinguished Visiting Professor of Law. B.A., University of Washington; J.D., Seattle University; LL.M., New York University.
MARY CROSSLING, Professor of Law. B.A., University of Virginia; J.D., Vanderbilt University.
VIVIAN CURRAN, Professor of Law. B.A., University of Pennsylvania; Ph.D., J.D., Columbia University.
RICHARD DELGADO, Distinguished Professor Emeritus of Law. A.B., University of Washington; J.D., University of California, Berkeley.
HARRY MARSHALL FLECHTNER, Professor of Law. A.B., M.A., J.D., Harvard University.
CYRIL A. FOX, JR., Professor Emeritus of Law. A.B., College of Wooster; J.D., University of Pittsburgh.
LAWRENCE A. FROLIK, Professor of Law. B.A., University of Nebraska; J.D., LL.M., Harvard University.
DAVID J. GARROW, Research Professor. B.A., Wesleyan University; M.A., Ph.D., Duke University.
JASMINE B. GONZALES ROSE, Assistant Professor of Law. B.A., University of Oregon; J.D., Harvard University.
HARRY J. GRUENER, Clinical Assistant Professor of Law. B.A., J.D., University of Pittsburgh.
HAIDER ALA HAMOUDI, Associate Dean for Research and Associate Professor of Law. B.S., Massachusetts Institute of Technology; J.D., J.S.D., Columbia University.
ROBERT BERKLEY HARPER, Professor Emeritus of Law. B.S., J.D., University of Pittsburgh.
DAVID A. HARRIS, Professor of Law. B.A., Northwestern University; J.D., Yale University; LL.M., Georgetown University.
ARTHUR D. HELLMAN, Sally Ann Semenko Endowed Chair. B.A., Harvard University; J.D., Yale University.
BERNARD J. HIBBITTS, Professor of Law. B.A., Dalhousie University; M.A., Carleton University; B.A., M.A., Oxford University; LL.B., Dalhousie University; LL.M., University of Toronto; LL.M., Harvard University.
SUSANNA M. LEERS, Electronic Research and Technology Services Librarian. B.A., Columbia University; M.A., Clark University; M.L.I.S., M.L.S., M.S.L., University of Pittsburgh.
JULES LOBEL, Professor of Law. B.A., New York University; J.D., Rutgers University.
WILLIAM V. LUNEBURG, JR., Professor Emeritus of Law. B.A., Carleton College; J.D., Harvard University.
MICHAEL J. MADISON, Professor of Law. B.A., Yale University; J.D., Stanford Law School.
MARGARET M. MAHONEY, Professor Emeritus of Law. B.A., LeMoyne College; J.D., University of Michigan.
MARTHA M. MANNIX, Co-Director of Clinic Programs and Clinical Associate Professor of Law. B.A., University of Vermont; J.D., University of California, Hastings.
FRANCIS BARRY McCARTHY, Professor Emeritus of Law. A.B., Stonehill College; J.D., Boston College; LL.M., Columbia University.
ALAN MEISEL, Professor of Law and Dickie, McCamey & Chilcote Professor of Bioethics. B.A., J.D., Yale University.
MARK A. NORDENBERG, Distinguished Service Professor of Law. B.A., Thiel College; J.D., University of Wisconsin.
PETER B. OH, Professor of Law. B.A., Yale University; J.D., University of Chicago.
THOMAS ROSS, Professor of Law. B.A., J.D., University of Virginia.
RICHARD HARRY SEEBURGER, Professor Emeritus of Law. A.B., Dickinson College; LL.B., LL.M., Harvard University.
KAREN SHEPHARD, Information Services Librarian. B.A., Grove City College; M.L.I.S., University of Pittsburgh.
MARC B. SILVERMAN, Associate Director for Public Services. B.F.A., Ohio University; M.L.S., M.A., University of Pittsburgh.
ANN SINSHEIMER, Professor of Legal Writing. B.A., M.A., University of Michigan; J.D., University of Pittsburgh; Ph.D., Carnegie Mellon University.
STELLA L. SMETANKA, Clinical Professor Emerita of Law. B.A., Carlow College; J.D., University of Pittsburgh.
SALLIE SMITH, Cataloging/Systems Librarian. B.S., Villa Maria College; M.L.S., Syracuse University; M.L.S., M.S.L., University of Pittsburgh.
JEAN STEFANCIC, Research Professor Emerita of Law. B.A., Maryville College; M.A., University of San Francisco.
ALICE L. STEWART, Visiting Clinical Instructor. B.S.B.A., Robert Morris University; J.D., Duquesne University.
LINDA TASHBOOK, Foreign, International and Comparative Law Librarian. B.S., Texas Woman's University; M.L.S., J.D., University of Pittsburgh.
GEORGE H. TAYLOR, Professor of Law. B.A., Brown University; M.A., University of Chicago; J.D., Harvard University.
JUDITH A. TEETER, Visiting Instructor. B.A., University of Wisconsin; J.D., Boston University; Master's Certificate in Conflict Resolution, Duquesne University.
DAVID THAW, Assistant Professor of Law. B.S., B.A., University of Maryland; M.A., Ph.D., J.D., University of California, Berkeley.

ISSN 2164-7976 (online) ● DOI 10.5195/pjephl.2014.75
http://pjephl.law.pitt.edu
SHEILA I. VELEZ-MARTINEZ, Visiting Clinical Assistant Professor of Law. B.A., J.D., University of Puerto Rico.  
RHONDA WASSERMAN, Professor of Law. A.B., Cornell University; J.D., Yale University.  

AFFILIATED FACULTY  
KAREN CLAY, Associate Professor of Economics and Public Policy, Heinz School of Public Policy and Management, Carnegie Mellon University; Affiliated Professor, School of Law. B.A., University of Virginia; Ph.D., Stanford University.  
ROBERT M. HAYDEN, Professor, Department of Anthropology, School of Arts and Sciences; Affiliated Professor, School of Law. B.A., Franklin and Marshall College; M.A., Syracuse University; J.D., Ph.D., State University of New York at Buffalo.  
KENNETH M. LEHN, Samuel A. McCullogh Professor of Finance, Katz Graduate School of Business; Affiliated Professor, School of Law. B.A., Wayneburg College; M.A., Miami University; Ph.D., Washington University.  
JEFFREY J. SHOOK, Assistant Professor, School of Social Work; Affiliated Assistant Professor, School of Law. B.A., Grinnell College; J.D., American University; M.S.W.; Ph.D., University of Michigan.  

ADJUNCT FACULTY  
KEVIN C. ABBOTT, Adjunct Professor of Law. B.A., Indiana University of Pennsylvania; J.D., University of Pittsburgh.  
SARA BURHAN ABDULLAH, Adjunct Professor of Law. J.D., LL.M., University of Pittsburgh; L.L.B., University of Sulaymania (Iraq).  
RODNEY R. AKERS, Adjunct Professor of Law. B.A., University of Virginia; J.D., Harvard University.  
CARRIE L. ALLMAN, Adjunct Professor of Law. B.A., Ohio Wesleyan University; J.D., University of Pittsburgh.  
LYNN J. ALSTADT, Adjunct Professor of Law. B.S., B.A., J.D., University of Pittsburgh.  
ALAN S. BAUM, Adjunct Professor of Law. B.S., Syracuse University; J.D., Ohio Northern University.  
JACLYN M. BELCZYK, Adjunct Professor of Law. B.A., J.D., University of Pittsburgh.  
ELIZABETH F. BJERKE, Adjunct Professor of Law. B.A., J.D., Tulane University.  
C. ALLEN BLACK, JR., Adjunct Professor of Law. B.A., University of Alabama; Ph.D., University of Newcastle (Australia); J.D., University of Pittsburgh.  
PAUL D. BOAS, Adjunct Professor of Law. B.A., J.D., University of Pittsburgh.  
ALISON BONEBRAKE, Adjunct Professor of Law. B.A., Shippensburg University; M.P.A., University of Pittsburgh.  
THE HON. EDWARD J. BORKOWSKI, Adjunct Professor of Law. B.A., J.D., Duquesne University; M.S.W., University of Pittsburgh.  
EDUARDO H. BOZZO, Adjunct Professor of Law. B.A., National School of Commerce (Buenos Aires, Argentina); J.D., University of Argentina.  
DANIEL H. BREAN, Adjunct Professor of Law. B.S., Carnegie Mellon University; J.D., University of Pittsburgh.  
ROBERT MARC BRENNER, Adjunct Professor of Law. A.B., Stanford University; J.D., Yale University.  
CHRISTOPHER S. CHANNEL, Adjunct Professor of Law. B.A., West Virginia Wesleyan College; J.D., College of William and Mary.  
JAMES P. COLETTA, Adjunct Professor of Law. B.A., J.D., University of Pittsburgh.  
JULIE R. COLTON, Adjunct Professor of Law. B.A., Gannon University; J.D., University of Pittsburgh.  
TIMOTHY CONBOY, Adjunct Professor of Law. B.A., Allegheny College; J.D., University of Pittsburgh.  
WILLIAM A. CONGELIO, Adjunct Professor of Law. B.A., California University of Pennsylvania; M.P.A., Carnegie Mellon University; J.D., Duquesne University.  
JAMES V. CORBELLI, Adjunct Professor of Law. B.A., University of Maryland; J.D., University of Pittsburgh.  
MARY NELL CUMMINGS, Adjunct Professor of Law. B.A., University of Arizona; J.D., University of Buffalo.  
STEPHANIE DANGEL, Executive Director, Innovation Practice Institute and Adjunct Professor of Law. B.S., University of Pennsylvania; B.A., University of Oxford; J.D., Yale University.  
ROBERT E. DAPPER, JR., Adjunct Professor of Law. B.A., Georgetown University; J.D., University of Pittsburgh.  
ELLIOT DATER, Adjunct Professor of Law. B.A., J.D., University of Michigan.  

ISSN 2164-7976 (online) • DOI 10.5195/pjephl.2014.75  
http://pjephl.law.pitt.edu
JOHN PATRICK LYDON, Adjunct Professor of Law. B.A., Allegheny College; J.D., University of Pittsburgh.
BEVERLY WEISS MANNE, Adjunct Professor of Law. B.A., J.D., University of Pittsburgh.
JASON W. MANNE, Adjunct Professor of Law. B.S., State University of New York; J.D., M.B.A., M.A., Dr.PH, University of Pittsburgh.
LISA ZEIDNER MARCUS, Adjunct Professor of Law. B.A., Duke University; J.D., Columbia University.
LISA A. MARTINELLI, Adjunct Professor of Law. B.Ph., J.D., University of Pittsburgh; M.A., Duquesne University.
JASON E. MATZUS, Adjunct Professor of Law. B.A., Gettysburg College; J.D., University of Pittsburgh.
REGIS M. McCLELLAND, Adjunct Professor of Law. B.A., J.D., Duquesne University.
JOHN W. McILVAINE, III, Adjunct Professor of Law. B.S., Pennsylvania State University; J.D., Pepperdine University.
WILLIAM McKENDREE, Adjunct Professor of Law. B.A., University of Pittsburgh; M.A., J.D., Duquesne University.
JANICE McSHERRY, Adjunct Professor of Law. A.B., Colgate University; J.D., University of Pittsburgh.
LAURA A. MEADEN, Adjunct Professor of Law. B.A., Case Western Reserve University; J.D., University of Pittsburgh.
REID P. MEYER, Adjunct Professor of Law. B.S., Pennsylvania State University; J.D., University of Pittsburgh.
MAX F. MILLER, Adjunct Professor of Law. B.A., University of Pennsylvania; J.D., University of Pittsburgh; M.B.A., Kellogg School of Management.
J. W. MONTGOMERY, III, Adjunct Professor of Law. B.A., University of Virginia; J.D., College of William and Mary.
DEBORAH D. OLSZEWSKI, Adjunct Professor of Law. B.A., J.D., University of Pittsburgh; M.A., Edinboro State College.
DAVID R. OVERSTREET, Adjunct Professor of Law. B.S., Pennsylvania State University; J.D., Villanova University.
JON R. PERRY, Adjunct Professor of Law. B.A., Pennsylvania State University; J.D., Duquesne University.
LINDA PINGOTORE, Adjunct Professor of Law. B.S., J.D., University of Pittsburgh.
WILLIAM C. PRICE, Adjunct Professor of Law. B.S.B.A., J.D., University of Pittsburgh.
J. MATTHEW PRITCHARD, Adjunct Professor of Law. B.S., Carnegie Mellon University; J.D., University of Pittsburgh.
JAMES A. PROZZI, Adjunct Professor of Law. B.A., J.D., University of Pittsburgh.
JEFFREY A. RAMALEY, Adjunct Professor of Law. B.A., University of Pittsburgh; J.D., Duquesne University.
STEPHIE-ANNA K. RAMALEY, Adjunct Professor of Law. B.S., University of Richmond; M.S., Virginia Commonwealth University; J.D., Duquesne University.
ROBERT B. RAMSEY, III, Adjunct Professor of Law. B.A., University of Delaware; J.D., St. Louis University.
DAVID J. ROSENBERG, Adjunct Professor of Law. B.A., Connecticut College; J.D., University of Pittsburgh.
MICHAEL H. ROSENZWEIG, Adjunct Professor of Law. B.A., J.D., University of Pittsburgh.
JOHN S. ROZEL, Adjunct Professor of Law. A.B., M.D., Brown University; M.S.L., University of Pittsburgh.
LINDA F. SCHNEIDER, Adjunct Professor of Law. B.S., M.B.A., J.D., University of Pittsburgh.
STEPHANIE WINER SCHREIBER, Adjunct Professor of Law. B.A., Kent State University; J.D., University of Pittsburgh.
STEPHANIE L. SCIULLO, Adjunct Professor of Law. B.A., J.D., University of Pittsburgh.
JOSEPH W. SELEP, Adjunct Professor of Law. B.A., Indiana University of Pennsylvania; J.D., Ohio Northern University.
MATTHEW E. SHAMES, Adjunct Professor of Law. B.A., University of Pittsburgh; J.D. University of Pittsburgh.
LARRY A. SILVERMAN, Adjunct Professor of Law. B.A., University of Pittsburgh; J.D., Duquesne University.
JENNIFER A. SMOKELIN, Adjunct Professor of Law. B.S.E., University of Pennsylvania; J.D., University of Pittsburgh.
MARCY SMOREY-GIGER, Adjunct Professor of Law. B.S., Westminster College; M.Sc., J.D., Duquesne University.
W. HENRY SNYDER, Adjunct Professor of Law. B.A., University of Washington; J.D., Willamette University; LL.M., New York University.
STEVEN M. STADTMILLER, Adjunct Professor of Law. B.B.A., University of Notre Dame; J.D., University of Pittsburgh.

JOHN STEMBER, Adjunct Professor of Law. B.A., Ohio University; J.D., University of Pittsburgh.

NATALYA STEPANOVA-SIPPER, Adjunct Professor of Law. J.D., Tashkent State Law Institute; M.L., University of Pittsburgh.

EDWARD VAN STEVENSON, JR., Adjunct Professor of Law. B.A., Kentucky State University; J.D., University of Kentucky.

JOHN STINSON, Adjunct Professor of Law. B.A., Radford University; M.A., Bowling Green State University; J.D., University of Toledo; L.L.M., Goethe Universität Frankfurt am Main (Germany).

JAN C. SWENSEN, Adjunct Professor of Law. B.S., J.D., University of Pittsburgh.

STEPHEN C. TANZILLI, Adjunct Professor of Law. B.S., Duquesne University; J.D., University of Pittsburgh.

THE HON. DAVID B. TORREY, Adjunct Professor of Law. A.B., West Virginia University; J.D., Duquesne University.

EMILY E. TOWN, Adjunct Professor of Law. B.A., American University; J.D., University of Pittsburgh.

CHATÓN T. TURNER, Adjunct Professor of Law. B.A., University of Virginia; J.D., University of South Carolina.

JAMES S. URBAN, Adjunct Professor of Law. B.A., University of Pittsburgh; J.D., Duquesne University.

JAMES M. VAN NOSTRAND, Adjunct Professor of Law. B.A., University of Virginia; J.D., University of South Carolina; M.A., State University of New York at Albany; M.L., Pace University.

RAYMOND C. VOGLIANO, Adjunct Professor of Law. B.S., Duquesne University; J.D., University of Pittsburgh.

PETER M. WATT-MORSE, Adjunct Professor of Law. B.A., Carleton College; J.D., Northwestern University.

HEATHER WHEILER, Adjunct Professor of Law. B.A., Pennsylvania State University; J.D., Syracuse University.

THE HON. R. STANTON WETTICK, JR., Adjunct Professor of Law. B.A., Amherst College; LL.B., Yale University.

PATRICIA HARRINGTON WYSOR, Legal Writing Center Director. B.A., Wheaton College; M.Ed., M.F.A., University of Pittsburgh.

THE HON. JOHN A. ZOTTOLA, Adjunct Professor of Law. B.A., J.D., University of Pittsburgh.

ADMINISTRATIVE STAFF

SARAH BARCA, Administrative Coordinator. B.A., Robert Morris University.

STEPHEN M. CONWELL, Financial Manager. B.S.B.A., Robert Morris College; B.S.I.S., University of Pittsburgh; CPA, CGMA.

LUANN M. DRISCOLL, Office Manager and Director of the Document Technology Center.

KIM GETZ, Director of Information Technology. B.S., M.S., Robert Morris University.

MEME JEFFRIES, Director of Financial Aid and Assistant Director of Admissions. B.S., Pennsylvania State University; M.Ed., University of Pittsburgh.

BETH T. LIBERATORE, Registrar.


ROCHELLE R. MCCAIN, Director of Public Interest and Government Relations. B.A., University of Chicago; J.D., University of Houston.

JAMES MENTZER, Career Coordinator. B.A., Westminster College; J.D., University of Akron.

SARAH WEISSMAN, Career Coordinator. B.A., University of Pittsburgh; J.D., Duquesne University.

ROBERT G. WIBLE, Director of Academic Success and Bar Exam Services. B.A., Waynesburg College; J.D., Duquesne University.