

# DOV GREENBAUM

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## EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY, BOALT HALL SCHOOL OF LAW, BERKELEY, CA

J.D. May 2007

Samuelson Law, Technology & Public Policy Clinic

Symposium Editor: Berkley Technology Law Journal

YALE UNIVERSITY, YALE LAW SCHOOL, NEW HAVEN, CT

Non Matriculated Student, 2000-2004

Executive Editor: Yale Journal of Law and Technology

Editor: Yale Journal of Health, Policy, Law and Ethics

YALE UNIVERSITY, GRADUATE SCHOOL OF ARTS AND SCIENCES, NEW HAVEN, CT

Ph.D. May 2004, Genetics/Bioinformatics

*Thesis:* Comparing mRNA and protein abundance via genomic and proteomic characteristics.

M.Phil., May 2002, Genetics

YESHIVA UNIVERSITY, NEW YORK, NY

B.A., Biology, Economics *Summa Cum Laude*, May 1998

## POST DOCTORAL RESEARCH

STANFORD UNIVERSITY, STANFORD LAW SCHOOL, PALO ALTO, CA

Non-Resident Fellow, Center for Law and the Biosciences

2011- Present

STANFORD UNIVERSITY, STANFORD LAW SCHOOL, PALO ALTO, CA

Postdoctoral Fellow, Center for Law and the Biosciences

2007-2008

SWISS FEDERAL INSTITUTE OF TECHNOLOGY (ETH), ZURICH, SWITZERLAND

Postdoctoral Fellow, Branco Weiss Society in Science Fellowship

2005-2009

## ACADEMIC EXPERIENCE

YALE UNIVERSITY, NEW HAVEN, CT

2012-Present

### Assistant Professor

Department of Molecular Biophysics & Biochemistry, (Adj)

Yale University School of Medicine

YALE UNIVERSITY, NEW HAVEN, CT

2010- 2012

### Laboratory Associate

Department of Molecular Biophysics & Biochemistry

## ADMISSIONS

<b>Admitted to the Bar</b>	State of California United States Patent and Trademark Office, Registered Patent Attorney
<b>Admitted to Practice</b>	United States District Court, Northern District of California United States District Court, Central District of California United States District Court, Southern District of California United States Patent and Trademark Office
<b>Internship</b>	Israel Patent License
<b>Currently Testing</b>	Int'l Assn of Privacy Professionals, Certified Information Privacy Professional

## HONORS AND AWARDS

Berkley Center for Law and Technology; Law & Technology Program Certificate Berkeley Law,  
University of California at Berkeley 2004;  
National Research Service Award 1998-2001;  
National Institutes of Health Predoctoral Training Grant:  
Molecular Cellular and Developmental Biology 1998-2000;  
Undergraduate Dean's List 1995-98  
National Dean's List 1995-1998;  
Belkin Scholarship For Academic Excellence 1995;  
Leo & Julia Forcheimer Scholarship 1995.

## PROFESSIONAL AFFILIATIONS

<b>Specialty Chief</b>	Specialty Section of Frontiers in Bioengineering and Frontiers in	2013-Present
<b>Editor</b>	Genetics	
<b>Editor</b>	Recent Patents on DNA and Gene Seq. Special issue on DNA and Athletics	2011-2012
<b>Editorial Board</b>	Recent Patents on DNA and Gene Sequence Journal	2011-Present
<b>Editorial Committee</b>	Journal of Health Law and Bioethics	2011-Present
<b>Member</b>	American Bar Association ABA Section of Science & Technology Law	2010-Present
<b>Member (R8)</b>	IEEE, Institute of Electrical and Electronics Engineers	2007-Present
<b>Member</b>	Eliezer at Yale University	1998-Present

## WORK EXPERIENCE

<i>Lexis Nexis</i>	<b>Content Provider:</b> Draft and submit lengthy articles on recent case law and events in the field of Intellectual Property to multinational publisher of legal information.	2013-Present
<i>My Media Labs</i>	<b>Editor.</b> Manage writers and edit for clarity and technical accuracy thousands of legal documents for multinational publisher and information provider operating in the science medical, legal, risk and business sectors.	2012-Present
<i>Pearl Cohen Zedek Latzer</i>	<b>Attorney Associate.</b> <i>Draft and prosecute patents applications:</i> work in the fields of hi-tech, biotechnology, medical devices software and mechanical devices in multiple different jurisdictions including US, EU, Israel, Canada, Japan and other countries. <i>Freedom to Operate Analysis</i> review patent space and competitor patents and produced comprehensive analyses. <i>IP Due Diligence:</i> Analyses of companies' IP portfolios for acquisitions. <i>Client pitches:</i> Researched for and presented client pitches. <i>Litigation support:</i> Compile and review patents in the field and of competitors. <i>Intellectual Property Legal Research.</i> Research on various legal issues related to patent law.	2011-Present
<i>Sanford T. Colb IP Law</i>	<b>Patent Attorney.</b> <i>Draft medical device patents:</i> for varied clients including academia. <i>Freedom to Operate Analyses:</i> reviewed patent space and produced comprehensive analyses. <i>IP Due Diligence.</i> of companies' and their competitors IP portfolios.	2010- 2011
<i>McDermott Will, &amp; Emery, LLP</i>	<b>Associate.</b> <i>Freedom to Operate Analyses:</i> reviewed patent space and produced comprehensive analyses. <i>IP Due Diligence:</i> Analyses of companies' IP portfolios for acquisitions. <i>IP Litigation:</i> Drafted motions and pleadings, conducted legal research. <i>Patent Reexams:</i> Researched and drafted reexamination requests and responses. <i>Document Review:</i> Managed multiple attorneys at an offsite document review. <i>Amicus briefs:</i> Researched and drafted portions of amicus brief. <i>Client pitches:</i> Researched for and presented client pitches. <i>Pro Bono:</i> Researched legal issues, drafted motions and documents for Immigration and Conservatorship cases.	2008- 2010
	<b>Summer Associate.</b> Researched and drafted legal memos .	Summer 2006
<i>Gene Security Network</i>	<b>Independent Contractor.</b> Composed legal and bioethical statements for startup firm regarding non-invasive prenatal test powered by proprietary bioinformatics technology.	2008
<i>Skadden, Arps, Meagher, Slate &amp; Flom, LLP</i>	<b>Summer Associate.</b> Researched and drafted legal memorandum on issues associated with high-stakes litigation for technology clients as well as researching issues relating to electronic discovery.	Summer 2006
<i>Affymetrix, Inc.</i>	<b>Litigation Department Intern.</b> Researched and drafted memos on analysis of infringement claims and defenses; Assisted attorneys in preparation for trial.	Summer 2005

## PUBLICATIONS

### PUBLICATIONS: *LAW, SCIENCE & POLICY*

1. **Dov Greenbaum**, The Ethical, Legal and Social Implications of ELSI, FRONTIERS IN ELSI IN SCIENCE AND GENETICS (In Submission).
2. **Dov Greenbaum**, If you can't walk the walk, do you have to talk the talk: ethical considerations for the emerging field of sports genomics AMERICAN JOURNAL OF BIOETHICS (In submission).
3. **Dov Greenbaum**, Genomic Data Disclosure: Time to reassess the realities 13 AMERICAN JOURNAL OF BIOETHICS 47 (2013).
4. **Dov Greenbaum**, Review: The Picture of Health: Medical Ethics and the Movies, MEDICAL LAW REVIEW (2013, In Submission).
5. **Dov Greenbaum**, ViewPoint: ELSI concerns in the use of Varsity Athletes for Genome Wide Association Studies, JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION (2013, In Submission).
6. **Dov Greenbaum**, Editorial, Special Issue on Genetics and Athletics, 6 RECENT PATENTS ON DNA AND GENE SEQUENCES (2012).
7. **Dov Greenbaum**, Regulation and the Fate of Personalized Medicine, 14 AMERICAN MEDICAL ASSOCIATION VIRTUAL MENTOR 645 (2012).
8. **Dov Greenbaum**, Introducing Personal Genomics to College Athletes: Potentials and Pitfalls, 12 AMERICAN JOURNAL OF BIOETHICS 45 (2012).
9. **Dov Greenbaum**, Patents and Drug Shortages: Will the New Congressional Efforts Save Us from Impending Drug Shortages? 12 AMERICAN JOURNAL OF BIOETHICS 18 (2012).
10. **Dov Greenbaum**, Mark Gerstein, The Role of Cloud Computing in Managing the Deluge of Potentially Private Genetic Data, 11 AMERICAN JOURNAL OF BIOETHICS 39 (2011).
11. Andrea Sboner, Xinmeng Mu, **Dov Greenbaum**, Mark Gerstein, The Real Cost of Sequencing, 12 GENOME BIOLOGY 125 (2011).
12. **Dov Greenbaum**, An analysis of Federal Circuit Discrimination: The evolution of the Written Description Requirement vis-à-vis DNA and biotechnological inventions--concerns for Synthetic Biology, 5 RECENT PATENTS ON DNA AND GENE SEQUENCES 153(2011).
13. **Dov Greenbaum**, Andrea Sboner, Xinmeng Jasmine Mu, Mark Gerstein, Genomics & Privacy: Implications of the New Reality of Closed Data for the Field, 7 PLOS COMPUTATIONAL BIOLOGY, e1002278. Epub 2011 Dec 1.
14. **Dov Greenbaum**, New Rules, Different Risk: The Changing Freedom to Operate Analysis for Biotechnology. in PATENT LAW REVIEW (Karen B. Tripp, Ed.) (2011).
15. **Dov Greenbaum**, Patentable Subject Matter: Morally Neutral and Context Free: *Ass'n for Molecular Pathology v. United States PTO*, 2010 U.S. Dist. LEXIS 35418 (S.D.N.Y. Apr. 2, 2010). RECENT PATENTS ON DNA AND GENE SEQUENCES (2011).
16. **Dov Greenbaum**, Mark Gerstein, Social Implications of Research: Shoot first ask questions later. 11 AMERICAN JOURNAL OF BIOETHICS 31, (2011).
17. **Dov Greenbaum**, New Rules, Different Risk: The Changing Freedom to Operate Analysis for

- Biotechnology. 11 N.C.J.L. & TECH. 139 (2010).
18. **Dov Greenbaum**, State Neutrality and Patentable Subject Matter, 1 AMERICAN JOURNAL OF BIOETHICS: NEUROSCIENCE 59 (2010).
  19. **Dov Greenbaum** & Christopher Scott, Hochschullehrerprivileg: A Modern Incarnation of the Professor's Privilege to Promote University to Industry Technology Transfer, 15 SCIENCE, TECH. & SOCIETY (2010).
  20. **Dov Greenbaum** & Mark Gerstein, Social Networking and Personal Genomics: Suggestions for Optimizing the Interaction, 9 AMERICAN JOURNAL OF BIOETHICS 15 (2009).
  21. **Dov Greenbaum**, In Re Seagate: Did it Really Fix the Waiver Issue? A Short Review and Analysis of Waiver Resulting from the Use Of a Counsel's Opinion Letter as a Defense to Willful Infringement, in PATENT LAW REVIEW (Karen Tripp Ed.) (2009).
  22. **Dov Greenbaum**, Academia to Industry Technology Transfer: An Alternative to the Bayh-Dole System for Both Developed and Developing Nations, 19 FORDHAM INTELLECTUAL PROPERTY, MEDIA & ENTERTAINMENT LAW JOURNAL 313 (2009).
  23. **Dov Greenbaum**, Research Fraud: Methods For Dealing With An Issue That Negatively Impacts Society's View of Science, 10 COLUMBIA SCIENCE AND TECHNOLOGY LAW REVIEW 61 (2009).
  24. **Dov Greenbaum**, Is it really possible to do the Kessel Run in less than twelve parsecs and should it matter? Science in Film and its Policy Implications, 11 VANDERBILT JOURNAL OF ENTERTAINMENT & TECHNOLOGY 249 (2009).
  25. **Dov Greenbaum**, Determining Optimal Levels of Intellectual Property Protection in Developing Nations, 97 CURRENT SCIENCE 1604 (2009).
  26. **Dov Greenbaum** & Mark Gerstein, Science and the Law: Grappling with the Gulf, 323 SCIENCE 210 (2009).
  27. **Dov Greenbaum**, Pharmacogenomic Drug Development: How the FDA Can Overcome Early Missteps In Regulating Personalized Medicine, 40 RUTGERS LAW REVIEW 97 (2008).
  28. **Dov Greenbaum**, Jiang Du, Mark Gerstein, Genomic Anonymity: Have We Already Lost It? 8 AMERICAN JOURNAL OF BIOETHICS 71-4 (2008).
  29. **Dov Greenbaum**, In Re Seagate: Did it Really Fix the Waiver Issue? A Short Review and Analysis of Waiver Resulting from the Use Of a Counsel's Opinion Letter as a Defense to Willful Infringement, 12 MARQ. INTELL. PROP. L. REV. 155 (2008).
  30. **Dov Greenbaum**, An Analysis of the Evolution of the Written Description Requirement vis-à-vis DNA and Biotechnological Inventions, 1 RECENT PATENTS ON DNA & GENE SEQ. 138 (2007).
  31. **Dov Greenbaum**, Privacy Concerns in Personal Genomics STEP White Paper (University of California at Berkeley), [http://step.berkeley.edu/White\\_Paper/greenbaum.pdf](http://step.berkeley.edu/White_Paper/greenbaum.pdf)
  32. Jack Lerner, Hillary Freudenthal, **Dov Greenbaum**, Jamaica Patent and Designs Act: A Report Prepared by The Samuelson Law, Technology & Public Policy Clinic (Unpublished & Confidential June 2006).
  33. Andrew Smith, **Dov Greenbaum**, Shawn Douglas, H. Morrow Long, & Mark Gerstein, Computer and Network Security in Academia: an Assessment and Some Proposed Solutions, 6 GENOME BIOLOGY 119 (2005).

34. **Dov Greenbaum**, Shawn Douglas, Andrew Smith, Joanna Lim, Michael Fischer, Martin Schultz, & Mark Gerstein, The Challenge of Computer Security in Academia: A Potential Roadblock to Distributed Annotation of the Human Genome, 22 NATURE BIOTECHNOLOGY 771 (2004).
35. **Dov Greenbaum**, Joanna Lim, & Mark Gerstein, An Analysis of the Present System of Scientific Publishing: What's Wrong and Where to Go from Here? 28 INTERDISCIPLINARY SCIENCE REVIEWS 254 (2003).
36. **Dov Greenbaum** & Mark Gerstein, A Universal Legal Framework As A Prerequisite For Database Interoperability, 21 NATURE BIOTECHNOLOGY 979 (2003).
37. **Dov Greenbaum**, The Database Debate: In Support of An Inequitable Solution, 13 ALB. L.J. SCI. & TECH. 431 (2003).
38. **Dov Greenbaum**, Are We Legislating Away Our Scientific Future? The Database Debate, 22 Duke L. & Tech. Rev. (2003).

#### **PUBLICATIONS: *IP TECHNICAL UPDATES***

39. **Dov Greenbaum**, CLS Bank v. Alice Corp., LEXIS NEXIS EMERGING ISSUE ANALYSIS (In Press, 2013).
40. **Dov Greenbaum**, Know the Court's Limits in Zealous Advocacy, MCDERMOTT WILL & EMERY IP UPDATE (April 2009).
41. David Larson & **Dov Greenbaum**, The Convergence of Intellectual Property and Renewable Energy, MCDERMOTT WILL & EMERY INTERNATIONAL NEWS (2009).
42. Sheila Walcoff & **Dov Greenbaum**, Whose Gene is it Anyway? Patenting Personalized Medicine, MCDERMOTT WILL & EMERY INTERNATIONAL NEWS (2009).
43. **Dov Greenbaum** & Paul Radensky, Personalized Medicine and the Changing Intellectual Property Landscape: Updating the Freedom To Operate Analysis, AHLA LIFE SCIENCES NEWSLETTER (2009).
44. **Dov Greenbaum**, Single Antibody Disclosed in Specification Not Sufficient to Describe Densely Populated Genus, MCDERMOTT WILL & EMERY IP UPDATE (November 2008).

#### **PUBLICATIONS: *LAW SCIENCE AND POLICY EDITING AND BOOK CHAPTERS***

45. **Dov Greenbaum**, Special Issue on Genetics and Athletics. 6 RECENT PATENTS ON DNA AND GENE SEQUENCES (2012).
46. **Dov Greenbaum**, Legal Concerns in Emerging Science: Synthetic Biology and Intellectual Property, Intellectual Property Law: Interdisciplinary Analysis (Miriam Bitton & Lior Zemer eds.) (Forthcoming 2013).
47. **Dov Greenbaum**, National Technology Transfer Mechanisms: A Comparison in THE ELGAR HANDBOOK ON LAW, INNOVATION AND GROWTH (Robert Litan ed.) (Forthcoming 2011).
48. **Dov Greenbaum** & Mark Gerstein, Semantic Web Standards: Legal and Social Issues and Implications, in SEMANTIC WEB: REVOLUTIONIZING KNOWLEDGE DISCOVERY IN THE LIFE SCIENCES (Christopher J. O. Baker & Kei-Hoi Cheung, eds.) (2006).

**PUBLICATIONS: *LAW SCIENCE AND POLICY EDITORIALS***

49. **Dov Greenbaum** & Mark Gerstein , Big Genomics and Big Data (In submission).
50. **Dov Greenbaum** & Mark Gerstein , The Age of Genetically Optimized Sports, WALL STREET JOURNAL, July 23 2012.
51. **Dov Greenbaum** & Mark Gerstein, Support for Peer Review, NEW YORK TIMES, January 23, 2012.
52. **Dov Greenbaum** & Mark Gerstein, Sharing Too Much Online, NEW YORK TIMES, October 6, 2011.
53. **Dov Greenbaum** & Mark Gerstein, The Benefits of Snooping Letter to Editor: Privacy & Data Mining MIT Technology Review July/August (2011).
54. **Dov Greenbaum** & Mark Gerstein, Concern for Privacy, NEW YORK TIMES, October 16, 2010.
55. **Dov Greenbaum** & Mark Gerstein, Thrills and Traps, Lurking on the Web, NEW YORK TIMES, May 11, 2010.
56. **Dov Greenbaum** & Mark Gerstein, Exploring Genetics of Professional Athletes, SAN FRANCISCO CHRONICLE, Insight Section, May 2. 2010.
57. **Dov Greenbaum** & Mark Gerstein, Testing isn't Everything, NEW YORK TIMES, April 17, 2010
58. **Dov Greenbaum** & Mark Gerstein, Regulating the Genome, FORBES April 16, 2010.
59. **Dov Greenbaum** & Mark Gerstein, Genetic Athletic Predispositions of Olympic Athletes, (In Submission).
60. **Dov Greenbaum**, Personalized Medicine and the Patent System, THE BOSTON GLOBE January 30, 2010.
61. **Dov Greenbaum**, Should We Be Able to Patent Genes? THE LOS ANGELES TIMES, January 17, 2010.
62. **Dov Greenbaum** & Mark Gerstein, Can't Run from DNA, NEW SCIENTIST, September 23, 2009.
63. **Dov Greenbaum** & Mark Gerstein, Personal Genomics Requires Redefining Privacy -- The Human Blueprint: Dangerous Secrets, SAN FRANCISCO CHRONICLE, Insight Section, Page 2, Nov. 2, 2008.
64. **Dov Greenbaum** & Mark Gerstein, Op-ed: Danger: Sharing Gene Data, HARTFORD COURANT, July 10, 2008.
65. **Dov Greenbaum**, Andrew Smith, & Mark Gerstein, Impediments to Database Interoperation: Legal Issues and Security Concerns, 33 NUCLEIC ACIDS RESEARCH D3 (2005).

**PUBLICATIONS: *IN PREPARATION***

66. **Dov Greenbaum** If you build it will they sue: Patents and 3D Printing
67. **Dov Greenbaum**, and Mark Gerstein, Science v. Law : Differences and Similarities in the Two Professions.
68. **Dov Greenbaum** & Mark Gerstein, Biofuels and Synthetic Biology: IP Concerns for the Future of Clean Technology.
69. **Dov Greenbaum**, FDA Regulation of Medical Apps.
70. **Dov Greenbaum** & Mark Gerstein, The New Privacy Paradigm and Genetics in Sports.

**PUBLICATIONS: *BIOINFORMATICS AND GENOMICS***

71. Mark Gerstein, **Dov Greenbaum**, Kei-Hoi Cheung, Perry Miller, An Interdepartmental Ph.D. Program in Computational Biology and Bioinformatics: The Yale Perspective, J. BIOMEDICAL INFORMATICS (2006).
72. Haiyuan Yu, **Dov Greenbaum**, Xiaowei Zhu, & Mark Gerstein, Analysis of Essentiality Within Protein Networks, 20 TRENDS IN GENETICS 227 (2004).
73. Haiyuan Yu, Xiaowei Zhu, **Dov Greenbaum**, John Karro, & Mark Gerstein, Topnet: A Tool For Comparing Biological Sub-Networks, Correlating Protein Properties with Topological Statistics, 32 NUCLEIC ACIDS RESEARCH 328 (2004).
74. Ronald Jansen, Haiyuan Yu, **Dov Greenbaum**, Yuval Kluger, Nevan Krogan, Sambath Chung, Andrew Emili, Michael Snyder, Jack Greenblatt, & Mark Gerstein, A Bayesian Networks Approach For Predicting Protein-Protein Interactions From Genomic Data, 302 SCIENCE 449 (2003).
75. **Dov Greenbaum**, Christopher Colangelo, Kenneth Williams, & Mark Gerstein, Comparing Protein Abundance and mRNA Expression Levels on a Genomic Scale, 4 GENOME BIOLOGY 117 (2003).
76. **Dov Greenbaum**, Ronald Jansen, & Mark Gerstein, Analysis of mRNA Expression and Protein Abundance Data: An Approach for the Comparison of the Enrichment of Features in the Cellular Population of Proteins and Transcripts, 18 BIOINFORMATICS 585 (2002).
77. Aled Edwards, Bart Kus, Ronald Jansen, **Dov Greenbaum**, Jack Greenblatt, & Mark Gerstein, Bridging Structural Biology and Genomics: Assessing Protein Interaction Data with Known Complexes, 18 TRENDS IN GENETICS 529 (2002).
78. Ronald Jansen, **Dov Greenbaum\***, & Mark Gerstein, Relating Whole-Genome Expression Data with Protein-Protein Interactions, 12 GENOME RESEARCH 37 (2002) (\*joint first authorship).
79. Zheng Lian, Yuval Kluger, **Dov Greenbaum**, David Tuck, Mark Gerstein, Nancy Berliner, Sherman Weissman, & Peter Newburger, Genomic and Proteomic Analysis of the Myeloid Differentiation Program: Global Analysis of Gene Expression During Induced Differentiation In the MPRO Cell Line, 100 BLOOD 3209 (2002).
80. Hedi Hegyi, Jimmy Lin, **Dov Greenbaum**, & Mark Gerstein, Structural Genomics Analysis: Characteristics of Atypical, Common, and Horizontally Transferred Folds, 47 PROTEINS 126 (2002).
81. Rajdeep Das, Jochen Junker, **Dov Greenbaum**, & Mark Gerstein, Global Perspectives on Proteins: Comparing Genomes in Terms of Folds, Pathways and Beyond, 1 PHARMACOGENOMICS 115 (2001).
82. Jimmy Lin, Jiang Qian, **Dov Greenbaum**, Paul Bertone, Rajdeep Das, Nathaniel Echols, A. Senes, Brad Stenger, Mark Gerstein, Genecensus: Genome Comparisons In Terms of Metabolic Pathway Activity and Protein Family Sharing, 30 NUCLEIC ACIDS RESEARCH 4574 (2002).



**PUBLICATIONS: *BIOINFORMATICS AND GENOMICS REVIEWS***

83. **Dov Greenbaum**, Comparative Genomics, DICTIONARY OF BIOINFORMATICS AND COMPUTATIONAL BIOLOGY (Hancock & Zvelebil eds.) (In Press 2012).
84. **Dov Greenbaum**, Genome Evolution, DICTIONARY OF BIOINFORMATICS AND COMPUTATIONAL BIOLOGY (Hancock & Zvelebil eds.) (In Press, 2012).
85. Yu Xia, Haiyuan Yu, Ronald Jansen, Michael Seringhaus, Sarah Baxter, **Dov Greenbaum**, H. Zhao, & Mark Gerstein, Analyzing Cellular Biochemistry in Terms of Molecular Networks, 73 ANN. REV. OF BIOCHEMISTRY 1051 (2004).
86. **Dov Greenbaum**, Comparative Genomics, DICTIONARY OF BIOINFORMATICS AND COMPUTATIONAL BIOLOGY (Hancock & Zvelebil eds.) Wiley (2004).
87. **Dov Greenbaum**, Genome Evolution, DICTIONARY OF BIOINFORMATICS AND COMPUTATIONAL BIOLOGY (Hancock & Zvelebil eds.) Wiley (2004).
88. **Dov Greenbaum**, Nicholas Luscombe, Ronald Jansen, Jiang Qian, & Mark Gerstein, Interrelating Different Types of Genomic Data, from Proteome to Secretome: 'Oming In On Function, 11 GENOME RESEARCH 1463 (2001).
89. Nicholas Luscombe, **Dov Greenbaum**, & Mark Gerstein, What Is Bioinformatics? A Proposed Definition and Overview of the Field, INTL. MEDICAL INFORMATICS ASSOCIATION YEARBOOK, 2001 83 (2001).
90. Nicholas Luscombe, **Dov Greenbaum**, & Mark Gerstein, What Is Bioinformatics? A Proposed Definition and Overview of the Field, 40 METHODS OF INFORMATION IN MEDICINE 346 (2001).