

# DAVID Y. GIN, PhD

Molecular Pharmacology & Chemistry  
Memorial Sloan–Kettering Cancer Center  
1275 York Avenue, Box 379  
New York, NY 10065

Voice: (646)-888-2555  
Fax: (646)-422-0416  
Email: [gind@mskcc.org](mailto:gind@mskcc.org)  
Web: [www.mskcc.org/gin](http://www.mskcc.org/gin)

---

## PERSONAL

Born: May 16, 1967; Ashcroft, BC, Canada  
Citizenship: USA, Canada

## ACADEMIC APPOINTMENTS

2006-present Member; Molecular Pharmacology & Chemistry, Sloan-Kettering Institute for Cancer Research, Memorial Sloan-Kettering Cancer Center  
2006-present Tri-Institutional Professor; Sloan-Kettering Institute for Cancer Research (Primary Appt.), Cornell University, The Rockefeller University  
2002-2006 Associate Professor of Chemistry; University of Illinois at Urbana-Champaign  
1996-2002 Assistant Professor of Chemistry; University of Illinois at Urbana-Champaign

## EDUCATION

1994-1996 NSERC Postdoctoral Fellow, Harvard University  
Research: Enantioselective Total Synthesis of Ecteinascidin 743. (with E. J. Corey)  
1994 Ph.D., Chemistry, California Institute of Technology (NSERC Predoctoral Fellow)  
Thesis: A Convergent Synthetic Route to the Tunicamycin Antibiotics. (with A. G. Myers)  
1989 B.Sc., Honors Chemistry, University of British Columbia, Canada  
Thesis: Mesitylene Adducts with Selected Tin (II) Compounds. (with F. Aubke)  
1988-1989 NSERC Undergraduate Research Fellow, University of British Columbia, Canada  
Research: Synthesis of complex terpenes from camphor derivatives. (with T. Money)

## OTHER APPOINTMENTS

2009-present Co-Founder, Board Member; Adjuvance Technologies, Inc.

## AWARDS

2011 Hoffmann – La Roche Excellence in Organic Chemistry Award  
2008 Novartis Chemistry Lectureship Award  
2006 Horace S. Isbell Award in Carbohydrate Chemistry (American Chemical Society)  
2006 Visiting Professor, Tokyo University of Science  
2001 Camille Dreyfus Teacher Scholar Award  
2001 Pfizer New Faculty Award (Pfizer Inc.)  
2000 Abbott New Faculty Award (Abbott Laboratories)  
2000 Lilly Research Laboratories Grantee  
2000 Merck Research Laboratories – Academic Development Award  
1999-2001 Alfred P. Sloan Research Fellowship  
1999 Cottrell Scholar Award (Research Corporation)  
1999-2001 Glaxo Wellcome Chemistry Scholars Award  
1998-2000 Beckman Young Investigator Award (Arnold and Mabel Beckman Foundation)  
1998 School of Chemical Sciences Teaching Excellence Award (UIUC)  
1998-2000 Research Innovation Award (Research Corporation)  
1994-1996 NSERC Postdoctoral Fellowship (Harvard)  
1994 Herbert N. McCoy Thesis Award in Chemistry (Caltech)

## DAVID Y. GIN, PHD

### BIBLIOGRAPHY

#### PEER-REVIEWED PUBLICATIONS

##### Independent:

54. "Digoxin and Its Derivatives Suppress Th17 Cell Differentiation by Antagonizing ROR $\gamma$ t Activity." Huh, J. R.; Leung, M. W. L.; Huang, P.; Ryan, D. A.; Krout, M. R.; Malapaka, R.; Chow, J.; Manel, N.; Ciofani, M.; Kim, S. V.; Cuesta, A.; Santori, F. R.; Lafaille, J. J.; Xu, H. E.; **Gin, D. Y.**; Rastinejad, F.; Littman, D. R. *Nature* **2011**, (accepted).
53. "Natural and Synthetic Saponin Adjuvant QS-21 for Vaccines Against Cancer." Ragupathi, G.; Gardner, J. R.; Livingston, P. O.; **Gin, D. Y.** *Exp. Rev. Vaccines* **2011**, (accepted).
52. "Preclinical Evaluation of the Synthetic Adjuvant SQS-21 and its Constituent Isomeric Saponins." Ragupathi, G.; Damani, P.; Deng, K.; Adams, M. M.; Hang, J.; George, C.; Livingston, P. O.; **Gin, D. Y.** *Vaccine* **2010**, *28*, 4260-4267. [PMCID: PMC2882175]
51. "Annulation of Thioimides and Vinyl Carbodiimides to Prepare 2-Aminopyrimidines, Competent Nucleophiles for Intramolecular Alkyne Hydroamination. Synthesis of (–)-Crambidine." Perl, N. R.; Ide, N. D.; Prajapati, S.; Perfect, H. H.; Durón, S. G.; **Gin, D. Y.** *J. Am. Chem. Soc.* **2010**, *132*, 1802-1803. [PMCID: PMC2839241]
50. "Design and Synthesis of Potent *Quillaja* Saponin Vaccine Adjuvants." Adams, M. M.; Damani, P.; Perl, N. R.; Won, A.; Hong, F.; Livingston, P. O.; Ragupathi, G.; **Gin, D. Y.** *J. Am. Chem. Soc.* **2010**, *132*, 1939-1945. [PMCID: PMC2820154] "Research Highlights" *Nature Chem.* **2010**, doi:10.1038/nchem.582. "Science & Technology Concentrates" *Chem. & Eng. News* **2010**, *88*, 48.
49. "Immunologic and Biochemical Features of Human WT1 Peptide Epitope Analogs Containing Non-Natural Amino Acids." Gomez-Nunez, M.; Haro, K.; Dao, T.; Chau, D.; Won, A.; Escobar-Alvarez, S.; Zakhaleva, V.; Korontsvit, T.; **Gin, D. Y.**; Scheinberg, D. A. *PLoS ONE* **2008**, *3*, e3938. [PMCID: PMC2592539]
48. "Ring-Opening of Aziridine 2-Carboxamides with Carbohydrate C1-O-Nucleophiles. Stereoselective Preparation of  $\alpha$ - and  $\beta$ -O-Glycosyl Serine Conjugates." Ryan, D. A.; **Gin, D. Y.** *J. Am. Chem. Soc.* **2008**, *130*, 15228-15229. [PMCID: PMC2648612]
47. "Synthetic Access to the Chlorocyclopentane Cores of the Proposed Original and Revised Structures of Palau'amine." Bultman, M. S.; Ma, J.; **Gin, D. Y.** *Angew. Chem., Int. Ed.* **2008**, *47*, 6821-6824. [PMCID: PMC2610474]
46. "Synthesis of QS-21-Xylose. Establishing Immuno-Potentiating Activity of Synthetic QS-21 Adjuvant with a Melanoma Vaccine." Deng, K.; Adams, M. M.; Damani, P.; Livingston, P. O.; Ragupathi, G.; **Gin, D. Y.** *Angew. Chem., Int. Ed.* **2008**, *47*, 6395-6398. [PMCID: PMC2602848]
45. "Synthesis and Structure Verification of the Vaccine Adjuvant QS-7-Api. Synthetic Access to Homogeneous *Quillaja saponaria* Immunostimulants." Deng, K.; Adams, M. M.; **Gin, D. Y.** *J. Am. Chem. Soc.* **2008**, *130*, 5860-5861. [PMCID: PMC2610460]
44. "Synthesis of Anti-Proliferative Cephalotaxus Esters and Their Evaluation Against Several Human Hematopoietic and Solid Tumor Cell Lines. Ester Chain Structure in the Modulation of Multi-Drug Resistance." Eckelbarger, J. D.; Wilmot, J. T.; Epperson, M. T.; Thakur, C. S.; Shum, D.; Antczak, C.; Tarassishin, L.; Djaballah, H.; **Gin, D. Y.** *Chem. Eur. J.* **2008**, *14*, 4293-4306. [PMCID: PMC2631657]
43. "Application of an Intramolecular Dipolar Cycloaddition to an Asymmetric Synthesis of the Fully Oxygenated Tricyclic Core of the Stemofoline Alkaloids." Carra, R. J.; Epperson, M. T.; **Gin, D. Y.** *Tetrahedron* **2008**, *64*, 3629-3641. [PMCID: PMC2352155]
42. "Asymmetric Synthetic Access to the Hetsine Alkaloids. Total Synthesis of (+)-Nominine." Peese, K. M.; **Gin, D. Y.** *Chem. Eur. J.* **2008**, *14*, 1654-1665. [PMCID: PMC2648811]
41. "Chemical Glycosylation in the Synthesis of Glycoconjugate Antitumour Vaccines." Galonić, D. P.; **Gin, D. Y.** *Nature* **2007**, *446*, 1000-1007. [PMCID: PMC2631661]
40. "Total Synthesis of (+)-Batzelladine A and (–)-Batzelladine D via [4+2]-Annulation of Vinyl Carbodiimides with N-Alkyl Imines." Arnold, M. A.; Day, K. A.; Durón, S. G.; **Gin, D. Y.** *J. Am. Chem. Soc.* **2006**, *128*, 13255-13260. [PMCID: PMC2610335]
39. "Synthetic Studies of Complex Immunostimulants from *Quillaja Saponaria*. Synthesis of the Potent Clinical Immunoadjuvant QS-21A<sub>api</sub>." Kim, Y.-J.; Wang, P.; Navarro-Villalobos, M.; Rohde, B. D.; Derryberry, J.; **Gin, D. Y.** *J. Am. Chem. Soc.* **2006**, *128*, 11906-11915. [PMCID: PMC2615099]

## DAVID Y. GIN, PHD

38. "Strain-Release Rearrangement of *N*-Vinyl-2-Arylaziridines. Total Synthesis of the Anti-Leukemia Alkaloid (–)-Deoxyharringtonine." Eckelbarger, J. E.; Wilmot, J. T.; **Gin, D. Y.** *J. Am. Chem. Soc.* **2006**, *128*, 10370-10371. [PMCID: PMC2610334]
37. "Efficient Synthetic Access to the Hetisine C<sub>20</sub>-Diterpenoid Alkaloids. A Concise Synthesis of Nominine via Oxidisoquinolinium-1,3-Dipolar and Dienamine-Diels-Alder Cycloadditions." Peese, K. M.; **Gin, D. Y.** *J. Am. Chem. Soc.* **2006**, *128*, 8734-8735. [PMCID: PMC2610465]
36. "Highly Convergent Synthesis of C<sub>3</sub>- or C<sub>2</sub>-Symmetric Carbohydrate Macrocycles." Bodine, K. D.; **Gin, D. Y.**; Gin, M. S. *Org. Lett.* **2005**, *7*, 4479-4482.
35. "Conjugation of Selenols with Aziridine-2-Carboxylic Acid-Containing Peptides." Ide, N. D.; Galonić, D. P.; van der Donk, W. A.; **Gin, D. Y.** *Synlett* **2005**, 2011-2014.
34. "An Enantioselective Approach to the Hetisine Alkaloids. Synthesis of the 3-Methyl-1-azatricyclo[5.2.1.0<sup>3,8</sup>]decane Core via Intramolecular Dipolar Cycloaddition." Peese, K. M.; **Gin, D. Y.** *Org. Lett.* **2005**, *7*, 3323-3325. [PMCID: PMC2593868]
33. "Sulfoxide Covalent Catalysis in Dehydrative Glycosylation. Probing the Mechanism of Hemiacetal Activation." Boebel, T. A.; **Gin, D. Y.** *J. Org. Chem.* **2005**, *70*, 5818-5826.
32. "Aziridine-2-Carboxylic Acid Containing Peptides. Application to Solution- and Solid-Phase Convergent Site-Selective Peptide Modification." Galonić, D. P.; Ide, N. D.; van der Donk, W. A.; **Gin, D. Y.** *J. Am. Chem. Soc.* **2005**, *127*, 7359-7369. "Research Highlights" *Nature* **2005**, *435*, 250-251.
31. "Diastereoselective [4+2] Annulation of Vinyl Carbodiimides with *N*-Alkyl Imines. Asymmetric Synthetic Access to the Batzelladine Alkaloids." Arnold, M. A.; Durón, S. G.; **Gin, D. Y.** *J. Am. Chem. Soc.* **2005**, *127*, 6924-6925.
30. "Synthesis of the Potent Immunostimulatory Adjuvant QS-21A." Wang, P.; Kim, Y.-J.; Navarro-Villalobos, M.; Rohde, B. D.; **Gin, D. Y.** *J. Am. Chem. Soc.* **2005**, *127*, 3256-3257. "Research Highlights" *Nature* **2005**, *434*, 290.
29. "Site-Selective Conjugation of Thiols with Aziridine-2-Carboxylic Acid Containing Peptides." Galonić, D. P.; van der Donk, W. A.; **Gin, D. Y.** *J. Am. Chem. Soc.* **2004**, *126*, 12712-12713.
28. "Synthesis of Readily Modifiable Cyclodextrin Analogs via Cyclodimerization of an Alkynyl-Azido Trisaccharide." Bodine, K. D.; **Gin, D. Y.**; Gin, M. S. *J. Am. Chem. Soc.* **2004**, *126*, 1638-1639.
27. "Oligosaccharide-Peptide Ligation of Glycosyl Thiulates with Dehydropeptides. Synthesis of *β*-Linked Mucin Glycopeptide Conjugates." Galonić, D. P.; van der Donk, W. A.; **Gin, D. Y.** *Chem. Eur. J.* **2003**, *9*, 5997-6006.
26. "Sulfoxide Covalent Catalysis. Application to Glycosidic Bond Formation." Boebel, T. A.; **Gin, D. Y.** *Angew. Chem. Int. Ed.* **2003**, *42*, 5874-5877.
25. "Dehydrative Sialylation with C<sub>2</sub>-Hemiketal Donors." Haberman, J. M.; **Gin, D. Y.** *Org. Lett.* **2003**, *5*, 2539-2541.
24. "C<sub>2</sub>-Acetamidomannosylation. Synthesis of 2-*N*-Acetylamino-2-Deoxy- $\alpha$ -D-Mannopyranosides with Glucal Donors." Liu, J.; **Gin, D. Y.** *Tetrahedron Lett.* **2003**, *44*, 4015-4018.
23. "Dehydrative Glycosylation with 1-Hydroxy Donors." **Gin, D. Y.** *J. Carbohydr. Chem.* **2002**, *21*, 645-665.
22. "C<sub>2</sub>-Amidoglycosylation. Scope and Mechanism of Nitrogen Transfer." Liu, J.; **Gin, D. Y.** *J. Am. Chem. Soc.* **2002**, *124*, 9789-9797.
21. "C<sub>2</sub>-Hydroxyglycosylation with Glycal Donors. Probing the Mechanism of Sulfonium-Mediated Oxygen Transfer to Glycal Enol Ethers." Honda, E.; **Gin, D. Y.** *J. Am. Chem. Soc.* **2002**, *124*, 7343-7352.
20. "Enantiospecific Synthesis of the Bridged Pyrrolizidine Core of Asparagine A. Dipolar Cycloadditions of Azomethine Ylides Derived from the Sulfonylation of Vinylogous Amides." Epperson, M. T.; **Gin, D. Y.** *Angew. Chem. Int. Ed.* **2002**, *41*, 1778-1780.
19. "Sulfide-Mediated Dehydrative Glycosylation with 1-Hydroxy Donors." Nguyen, H. M.; Chen, Y.; Durón, S. G.; **Gin, D. Y.** *J. Am. Chem. Soc.* **2001**, *123*, 8766-8772.
18. "C(2)-Acyloxyglycosylation with Glycal Donors." Shi, L.; Kim, Y.-J.; **Gin, D. Y.** *J. Am. Chem. Soc.* **2001**, *123*, 6939-6940.
17. "Synthesis of the Trisaccharide Portion of the Immunologic Adjuvant QS-21A via Sulfonium Mediated Oxidative and Dehydrative Glycosylation." Kim, Y.-J.; **Gin, D. Y.** *Org. Lett.* **2001**, *3*, 1801-1804.
16. "A New C(1)-Auxiliary for Anomeric Stereocontrol in the Synthesis of  $\alpha$ -Sialyl Glycosides." Haberman, J. M.; **Gin, D. Y.** *Org. Lett.* **2001**, *3*, 1665-1668.
15. "Asymmetric Synthesis and Determination of the Absolute Configuration of the Bicyclic Guanidine Core of Batzelladine A." Durón, S. G.; **Gin, D. Y.** *Org. Lett.* **2001**, *3*, 1551-1554.

## DAVID Y. GIN, PHD

14. "Total Synthesis of (+)-Pyrenolide D." Engstrom, K. E.; Mendoza, M. R.; Navarro-Villalobos, M.; **Gin, D. Y.** *Angew. Chem. Int. Ed.* **2001**, *40*, 1128-1130.
13. "Stereoselective Synthesis of 2-Hydroxy- $\alpha$ -Mannopyranosides from Glucal Donors." Kim, J.-Y.; Di Bussolo, V.; **Gin, D. Y.** *Org. Lett.* **2001**, *3*, 303-306.
12. "Chemoselective Iterative Dehydrative Glycosylation." Nguyen, H. M.; Poole, J. L.; **Gin, D. Y.** *Angew. Chem., Int. Ed.* **2001**, *40*, 414-417.
11. "Synthesis of Glycosyl-1-Phosphates via Dehydrative Glycosylation." Garcia, B. A.; **Gin, D. Y.** *Org. Lett.* **2000**, *2*, 2135-2138.
10. "Dehydrative Glycosylation with Activated Diphenyl Sulfonium Reagents. Scope, Mode of C(1)-Hemiacetal Activation, and Detection of Reactive Glycosyl Intermediates." Garcia, B. A.; **Gin, D. Y.** *J. Am. Chem. Soc.* **2000**, *122*, 4269-4279.
9. "Acetamidoglycosylation with Glycal Donors. A One-Pot Glycosidic Coupling with Direct Stereoselective Installation of the C(2)-N-Acetylamino Functionality." Di Bussolo, V.; Liu, J.; Huffman, Jr., L. G.; **Gin, D. Y.** *Angew. Chem. Int. Ed.* **2000**, *39*, 204-207. "News of the Week" *Chem. & Eng. News* **2000**, *78*, 7-8.
8. "Direct Oxidative Glycosylations with Glycal Donors." Di Bussolo, V.; Kim, Y.-J.; **Gin, D. Y.** *J. Am. Chem. Soc.* **1998**, *120*, 13515-13516.
7. "Direct Glycosylations with 1-Hydroxy Glycosyl Donors Using Trifluoromethanesulfonic Anhydride and Diphenyl Sulfoxide." Garcia, B. A.; Poole, J. L.; **Gin, D. Y.** *J. Am. Chem. Soc.* **1997**, *119*, 7597-7598.

### Postdoctoral (Harvard):

6. "Enantioselective Total Synthesis of Ecteinasidin 743." Corey, E. J.; **Gin, D. Y.**; Kania, R. S. *J. Am. Chem. Soc.* **1996**, *118*, 9202-9203.
5. "A Convergent Enantioselective Synthesis of the Tetrahydroisoquinoline Unit in the Spiro Ring of Ecteinasidin 743." Corey, E. J.; **Gin, D. Y.** *Tetrahedron Lett.* **1996**, *37*, 7163-7166.

### Graduate (Caltech):

4. "Synthetic Studies of the Tunicamycin Antibiotics. Preparation of (+)-Tunicaminylluracil, (+)-Tunicamycin V, and 5'-epi-Tunicamycin V." Myers, A. G.; **Gin, D. Y.**; Rogers, D. H. *J. Am. Chem. Soc.* **1994**, *116*, 4697-4718.
3. "Stereoselective Synthesis of the Tunicamycin Antibiotics. Synthesis of (+)-Tunicamycin V." Myers, A. G.; **Gin, D. Y.**; Rogers, D. H. *J. Am. Chem. Soc.* **1993**, *115*, 2036-2037.
2. "Silicon-Mediated Reductive Coupling of Aldehydes and Allylic Alcohols. A Stereoselective Synthesis of Tunicaminylluracil." Myers, A. G.; **Gin, D. Y.**; Widdowson, K. L. *J. Am. Chem. Soc.* **1991**, *113*, 9661-9662.

### Undergraduate (UBC):

1. "Mesitylene Adducts with Selected Tin (II) Compounds. The Synthesis of  $\text{Sn}(\text{SO}_3\text{F})_2 \cdot \text{C}_9\text{H}_{12}$  and  $\text{Sn}(\text{SbF}_6)_2 \cdot 2\text{C}_9\text{H}_{12}$ ." **Gin, D. Y.**; Cader, M. S. R.; Sams, J. R.; Aubke, F. *Can. J. Chem.* **1990**, *68*, 350-355.

### BOOK CHAPTERS

2. Ryan, D. A.; **Gin, D. Y.** "Glycoside Synthesis with 1-Oxygen Substituted Glycosyl Donors – Hemiacetal and O-Acyl/Carbonyl Derivatives." in: *Handbook of Chemical Glycosylation*; Demchenko, A., Ed.; Wiley-VCH: 2008.
1. **Gin, D. Y.** "Dehydrative Glycosylation with 1-Hydroxy Donors." in: *Glycochemistry: Principles, Synthesis and Applications*; Wang, P. and Bertozzi, C.R., Ed.; Marcel Dekker, Inc.: New York, NY, 2001.

### PATENTS

3. "Triterpene Saponins, Methods of Synthesis, and Uses Thereof." **Gin, D.**; Deng, K.; Adams, M.; Perl, N.; Won, A. Provisional Patent Application 61/043,197, 2008.
2. "Cephalotaxus Esters, Methods of Synthesis, and Uses Thereof." **Gin, D.**; Djaballah, H.; Wilmot, J. Provisional Patent Application 61/033,187, 2008.
1. "Process for Producing Ecteinasidin Compounds." Corey, E. J.; **Gin, D.** U. S. Patent 5 721 362, 1998.

## DAVID Y. GIN, PHD

### INVITED LECTURES

179. 03/10/11 Bristol-Myers Squibb Symposium, University of California, Los Angeles, CA
178. 03/09/11 Genentech Inc., South San Francisco, CA
177. 11/19/10 Foster Colloquium, The State University of New York, Buffalo, NY
176. 10/14/10 AstraZeneca R&D, Charnwood, UK
175. 10/13/10 AstraZeneca – Loughborough Symposium, Loughborough University, Loughborough, UK
174. 10/09/10 Frontiers Symposium in Organic Chemistry, University of Illinois, Urbana, IL
173. 09/09/10 University of Vermont, Burlington, VT
172. 08/23/10 National ACS Meeting, Carbohydrates for Combating Disease Symposium, Boston, MA
171. 08/11/10 Pfizer Inc., Groton, CT
170. 06/14/10 The Scripps Research Institute, Jupiter, FL
169. 06/02/10 Bristol-Myers Squibb Symposium, University of California, Irvine, CA
168. 05/05/10 Merck Research Laboratories, Boston, MA
167. 04/28/10 Keynote Lecture, 6<sup>a</sup> Reunión de la Academia Mexicana de Química Orgánica, Toluca, México
166. 04/08/10 Texas A&M University, College Station, TX
165. 03/09/10 Harvard University, Cambridge, MA
164. 02/25/10 Philadelphia Chemists Club Seminar, University of Pennsylvania, Philadelphia, PA
163. 02/25/10 GlaxoSmithKline, Collegeville, PA
162. 01/22/10 Connecticut Organic Chemistry Symposium, Yale University, New Haven, CT
161. 12/08/09 University of Texas Southwestern Medical Center, Dallas, TX
160. 11/23/09 Center for Cancer Research, Purdue University, West Lafayette, IN
159. 11/02/09 Gilead Sciences Inc., Foster City, CA
158. 10/20/09 Tufts University, Medford, MA
157. 09/18/09 Novartis Chemistry Lectureship Award, Horsham, United Kingdom
156. 09/16/09 Novartis Chemistry Lectureship Award, Basel, Switzerland
155. 09/14/09 Université Pierre et Marie Curie, Paris, France
154. 07/21/09 21<sup>st</sup> International Symposium, Synthesis in Organic Chem., University of Oxford, United Kingdom
153. 06/29/09 Wyeth Pharmaceuticals, Vaccine Development, Pearl River, NY
152. 04/21/09 New Jersey Biotechnology Chemistry Consortium, Lexicon Pharmaceuticals, Inc., Princeton, NJ
151. 03/13/09 William H. Nichols Award Symposium, Recipient: Carolyn Bertozzi, White Plains, NY
150. 02/24/09 Naeja Pharmaceutical Inc., Edmonton, AB, Canada
149. 02/23/09 Naeja Lecture, University of Alberta, Edmonton, AB, Canada
148. 01/20/09 McGill University, Montreal, QC, Canada
147. 12/18/08 Iowa State University Botanical Center, Ames, IA
146. 11/24/08 Lehman College, CUNY, Bronx, NY
145. 11/10/08 Eidgenössische Technische Hochschule, Zürich, Switzerland
144. 11/03/08 The Pennsylvania State University, State College, PA
143. 10/06/08 Stanley Wawzonek Lecture, University of Iowa, Iowa City, IA
142. 09/30/08 Clayton H. Heathcock Lecture, University of California, Berkeley, CA
141. 09/29/08 Oregon State University, Corvallis, OR
140. 08/17/08 National ACS Isbell Award Symposium, Recipient: Benjamin Davis, Philadelphia, PA
139. 08/05/08 Novartis Chemistry Lectureship Award, Novartis, Cambridge, MA
138. 07/11/08 Novartis Chemistry Lectureship Award, Novartis, Emeryville, CA
137. 06/24/08 Smith College, Northampton, MA
136. 05/19/08 ACS Mid-Atlantic Regional Meeting, New York, NY
135. 05/02/08 Alberta Ingenuity Center, 4<sup>th</sup> Annual Carbohydrate Symposium, Banff, AB, Canada
134. 04/28/08 University of Pennsylvania, Philadelphia, PA
133. 04/18/08 University of Wisconsin Pharmacy, Madison, WI
132. 04/11/08 Wesleyan University, Middletown, CT
131. 03/12/08 ERA Chemistry Flash Conference on Carbohydrate Chemistry, Killarney, Ireland
130. 03/06/08 Princeton University, Princeton, NJ
129. 01/31/08 Columbia University, New York, NY
128. 01/08/08 Boston College, Boston, MA

## DAVID Y. GIN, PHD

127. 01/07/08 Boston University, Boston, MA
126. 11/12/07 Modern Vaccine Adjuvant Formulation Conference, Dublin, Ireland
125. 11/05/07 Pfizer, Inc., St. Louis, MO
124. 10/12/07 AstraZeneca Lecturer, University of Ottawa, ON, Canada
123. 10/11/07 AstraZeneca, Montreal, QC, Canada
122. 07/11/07 Schering-Plough Research Institute, Kenilworth, NJ
121. 06/20/07 Merck Research Laboratories, Rahway, NJ
120. 06/11/07 Roche, Palo Alto, CA
119. 05/23/07 The Scripps Research Institute, La Jolla, CA
118. 05/07/07 Northwestern University, Evanston, IL
117. 05/04/07 Merck Research Laboratories, West Point, PA
116. 04/20/07 AstraZeneca-Charnwood, Loughborough, United Kingdom
115. 04/19/07 RSC East Midlands, Plenary Lecture, University of Nottingham, Nottingham, United Kingdom
114. 04/17/07 Oxford University, Oxford, United Kingdom
113. 04/16/07 Imperial College, London, United Kingdom
112. 04/02/07 Cornell University, Ithaca, NY
111. 03/30/07 New York University, New York, NY
110. 03/23/07 Hunter College CUNY, New York, NY
109. 02/26/07 GlaxoSmithKline, King of Prussia, PA
108. 02/08/07 TR@M Seminar; Memorial Sloan-Kettering Cancer Center, New York, NY
107. 11/14/06 Weill Cornell Medical College, New York, NY
106. 11/10/06 University of Virginia, Charlottesville, VA
105. 09/10/06 National ACS Isbell Award Symposium, Award Lecture, San Francisco, CA
104. 07/24/06 23<sup>rd</sup> International Carbohydrate Symposium, Whistler Village, BC, Canada
103. 06/05/06 French-American Chemical Society Symposium XI, Paris, France
102. 03/24/06 Tokyo University of Science, Tokyo, Japan
101. 03/23/06 Riken Institute, Saitama, Japan
100. 03/22/06 Keio University, Yokohama, Japan
99. 03/20/06 Tokyo University, Tokyo, Japan
98. 03/16/06 Kyoto University, Kyoto, Japan
97. 03/15/06 Tokyo University of Science, Chiba, Japan
96. 03/14/06 Tokyo Institute of Technology, Tokyo, Japan
95. 02/28/06 University of Guelph, Guelph, ON, Canada
94. 11/28/05 University of Chicago, Chicago, IL
93. 11/16/05 Yale University, New Haven, CT
92. 11/15/05 University of Connecticut, Storrs, CT
91. 11/09/05 Wayne State University, Detroit, MI
90. 11/08/05 Bristol Myers Squibb, Wallingford, CT
89. 10/01/05 1<sup>st</sup> Annual Midwest Carbohydrate Conference, Plenary Lecture, Toledo, OH
88. 09/23/05 Memorial Sloan-Kettering Cancer Center, New York, NY
87. 09/20/05 University of Colorado, Boulder, CO
86. 05/31/05 Raymond Lemieux Symposium, Canadian Society of Chemistry, Saskatoon, SK, Canada
85. 05/12/05 Cytokinetics Inc., South San Francisco, CA
84. 02/21/05 Dow AgroSciences, Indianapolis, IN
83. 02/04/05 Antigenics, Inc., Lexington, MA
82. 01/26/05 Vanderbilt University, Nashville, TN
81. 11/30/04 Duke University, Durham, NC
80. 10/17/04 36<sup>th</sup> ACS Great Lakes Regional Meeting, Peoria, IL
79. 08/22/04 National ACS Isbell Award Symposium, Recipient: Geert-Jan Boons, Philadelphia, PA
78. 06/02/04 36<sup>th</sup> Central ACS Regional Meeting, Frontiers of Organic Synthesis Symposium, Indianapolis, IN
77. 04/15/04 University of Tennessee, Knoxville, TN
76. 03/19/04 Bristol Myers Squibb, Lawrenceville, NJ
75. 02/17/04 Indiana State University, Terre Haute, IN
74. 01/26/04 University of Toledo, Toledo, OH

## DAVID Y. GIN, PHD

73. 01/08/04 Mona Symposium on Natural Products, Plenary Lecture, University of the West Indies, Jamaica
72. 12/01/03 Focused Giving Symposium, Johnson and Johnson, Raritan, NJ
71. 10/10/03 Amgen, Cambridge, MA
70. 10/02/03 Case Western Reserve University, Cleveland, OH
69. 08/14/03 19<sup>th</sup> International Congress of Heterocyclic Chemistry; Fort Collins, CO
68. 07/21/03 Gordon Research Conference: Organic Reactions & Processes, Roger Williams Univ., Bristol, RI
67. 06/10/03 NSF Organic Synthesis and Natural Products Workshop; Pacific Grove, CA
66. 04/28/03 Johnson & Johnson Inc., La Jolla, CA
65. 04/25/03 Iowa State University, Ames, IA
64. 04/22/03 University of Colorado, Boulder, CO
63. 04/01/03 University of California, Berkeley, CA
62. 03/19/03 Utah State University, Logan, UT
61. 03/18/03 Brigham Young University, Provo, UT
60. 02/20/03 Gilead Sciences, Inc., Foster City, CA
59. 11/25/02 University of Missouri, St. Louis, MO
58. 11/13/02 University of Michigan, Ann Arbor, MI
57. 11/12/02 Pfizer, Inc., Ann Arbor, MI
56. 09/27/02 Hope College, Holland, MI
55. 09/26/02 Calvin College, Grand Rapids, MI
54. 08/19/02 ACS Award Symposium, Creative Work in Organic Chemistry: Andrew Myers, Boston, MA
53. 06/05/02 Canadian Society of Chemistry Conference, Glycochemistry Symposium, Vancouver, BC, Canada
52. 05/09/02 University of Wisconsin, Madison, WI
51. 04/17/02 California Institute of Technology, Pasadena, CA
50. 04/05/02 University of Rochester, Rochester, NY
49. 03/15/02 Abbott Laboratories, Abbot Park, IL
48. 03/04/02 Lilly Grantee Symposium, Lilly Research Laboratories, Indianapolis, IN
47. 02/12/02 University of Texas-Southwestern Medical Center, Dallas, TX
46. 01/23/02 Simon Fraser University, Burnaby, BC, Canada
45. 01/22/02 University of British Columbia, Vancouver, BC, Canada
44. 01/21/02 University of Victoria, Victoria, BC, Canada
43. 01/10/02 Northwestern University, Evanston, IL
42. 10/10/01 Emory University, Atlanta, GA
41. 10/03/01 Eastern Illinois University, Charleston, IL
40. 09/24/01 Indiana University, Bloomington, IN
39. 08/15/01 Pharmacia, St. Louis, MO
38. 06/21/01 Gordon Research Conference, Carbohydrates, Tilton School, Tilton, NH
37. 06/02/01 NSF Physical Organic Chemistry Workshop; Starved Rock, IL
36. 05/23/01 Stanford University, Stanford, CA
35. 04/16/01 Harvard University, Cambridge, MA
34. 04/13/01 Wesleyan University, Middletown, CT
33. 04/11/01 Yale University, New Haven, CT
32. 03/29/01 Massachusetts Institute of Technology, Cambridge, MA
31. 03/12/01 Boehringer-Ingelheim Pharmaceuticals, Ridgefield, CT
30. 03/08/01 Ohio State University, Columbus, OH
29. 02/28/01 University of California, Irvine, CA
28. 01/29/01 University of Pennsylvania, Philadelphia, PA
27. 10/27/00 University of Notre Dame, Notre Dame, IN
26. 10/09/00 Colorado State University, Fort Collins, CO
25. 09/29/00 Glaxo Wellcome, Inc, Chemistry Scholars Award, Research Triangle Park, NC
24. 09/27/00 Bristol-Myers Squibb, New Brunswick, NJ
23. 09/11/00 Albany Molecular Research, Albany, NY
22. 08/26/00 Beckman Young Investigator Award, Beckman Institute, Irvine, CA
21. 08/08/00 Lilly Research Laboratories, Indianapolis, IN
20. 07/17/00 Gordon Research Conference: Organic Reactions & Processes, Roger Williams Univ., Bristol, RI

## DAVID Y. GIN, PHD

19. 07/11/00 Gordon Research Conference: Heterocyclic Compounds, Salve Regina University, Newport, RI
18. 06/19/00 Schering-Plough Research Institute, Kenilworth, NJ
17. 03/14/00 Abbott Laboratories, Abbot Park, IL
16. 02/18/00 University of Chicago, Chicago, IL
15. 01/17/00 Merck & Co., Inc., West Point, PA
14. 12/01/99 Bowling Green State University, Bowling Green, OH
13. 10/15/99 Pharmacia & Upjohn, Kalamazoo, MI
12. 10/01/99 Chemistry Scholars Award, Glaxo Wellcome, Inc, Research Triangle Park, NC
11. 09/10/99 University of Missouri, Columbia, MO
10. 08/23/99 ACS National Meeting, Synthetic Organic Chemistry for the 21st Century, New Orleans, LA
9. 07/15/99 Pfizer Inc, Groton, CT
8. 07/13/99 Bristol Myers Squibb, Wallingford, CT
7. 06/07/99 University of California, San Diego, CA
6. 05/11/99 Bayer Corp., West Haven, CT
5. 03/18/99 Searle & Co., Skokie, IL
4. 01/12/99 Merck & Co., Inc., Rahway, NJ
3. 11/10/98 University of Michigan, Ann Arbor, MI
2. 07/05/98 Gordon Research Conference: Natural Products, New England College, Henniker, NH
1. 05/07/98 California Institute of Technology, Pasadena, CA

## DAVID Y. GIN, PhD

### SERVICE

#### International

2010-present External Advisory Board; Institute for Research in Biomedicine, Barcelona, Spain

#### National

2007-2011 NIH-NIGMS-SBCA; Study Section Charter Member  
01/14/05 NIH-NIGMS-ZRG1-BCMB; Study Section Ad Hoc Member  
03/15/04 NIH-NIGMS-ZRG1-BPC; Study Section Ad Hoc Member  
06/22/03 NIH-NIGMS-ZGM1-SRC; Study Section Ad Hoc Member  
02/13/03 NIH-NIGMS-MCHA; Study Section Ad Hoc Member

#### Editorial Boards

2009-present *Beilstein Journal of Organic Chemistry*, Associate Editor  
2008-present *Journal of Organic Chemistry*, Editorial Board Member

#### MSKCC

2008-2011 SKI, Committee on Appointments and Promotions (SKICAP), Member  
2008-2011 MSKCC, Committee on Appointments and Promotions (COAP), Member  
2006-2010 Faculty Recruiting Committee in Chemistry and Chemical Biology, Chair

#### University of Illinois

2004-2006 Campus Area Emergency Services Advisory Committee, Member  
2004-2006 Faculty Advisor, SCS Mass Spectrometry Facility  
2003-2004 Noyes Undergraduate Lab Renovation Committee, Member  
2002-2004 Budget and Operations Officer, Organic Chemistry Division  
2001 Ad Hoc Advisory Committee for Campus Security, Member  
2000-2006 UIUC Chemical Safety Committee, Member  
1998-2001 Organic Chemistry Graduate Student Recruiting Committee, Chair  
1998-2001 Graduate Admissions Committee, Member  
1997-2006 Undergraduate Advising