

WILLIAM FENICAL

Distinguished Professor of Oceanography
and Pharmaceutical Sciences
Scripps Institution of Oceanography
Skaggs School of Pharmacy and Pharmaceutical Science
University of California, San Diego

- PERSONAL:** Born: Chicago, Illinois, 24 June 1941
- EDUCATION:** B.S., 1963, Biochemistry, California State Polytechnic Univ.
Special emphasis on molecular biochemistry.
- M.S., 1965, Organic Chemistry, San Jose State Univ.
Special emphasis on synthesis of nitrogen heterocycles.
- Thesis: "Evidence for the Tautomerism of 1-Methyl-2-Pyrryl-2'-yl-Pyrroline"
- Ph.D., 1968, Organic Chemistry, Univ. of California, Riverside
Special emphasis on synthetic and structural organic chemistry.
- Dissertation: "Electrocyclic Reactions of Polycyclic Polyolefins"
- American Cancer Society Postdoctoral Fellowship, 1968-69,
Bio-organic Chemistry, Univ. of California, Riverside
- Emphasis on the photooxygenation of olefins and the
mechanism of singlet oxygen reactivity; under the
direction of Professor David R. Kearns
- PROFESSIONAL EXPERIENCE:** Teaching Assistant, San Jose State University, 1964-65
Teaching Assistant, University of California, Riverside, 1965-68
Research Scientist, Shell Development Co., Emeryville, CA, 1969-70
Instructor, San Bernardino Valley College, San Bernardino, CA, 1970-72
Post Graduate Research Chemist, University of California, Riverside, 1970-72
Assistant Research Marine Chemist, Scripps Institution of Oceanography
(SIO), Institute of Marine Resources (IMR), University of California,
San Diego (UCSD), 1973-79
Lecturer, Scripps Institution of Oceanography, UCSD, 1974-1981
Associate Research Chemist, SIO, IMR, UCSD, 1979-1981
Associate Professor of Oceanography, SIO, UCSD, 1982-1983
Professor of Oceanography, SIO, UCSD, 1983-present
Associate Director, Institute of Marine Resources, SIO, UCSD, 1987-1988
Acting Director, Institute of Marine Resources, SIO, UCSD, 1988-1993
Director, Marine Research Division, Scripps Institution of Oceanography,
1989-1996.
Coordinator, University of California Sea Grant College Program 1993-1996.
Director, Center for Marine Biotechnology and Biomedicine, 1996-current
Distinguished Professor of Oceanography, SIO-UCSD 2005
Distinguished Professor of Pharmaceutical Sciences, UCSD 2006
- AWARDS & HONORS:** Senior Queen's Fellowship, in Marine Science, Australian Commonwealth
Government, 1984
Chairman (elected), 1986 Gordon Research Conference on Marine Natural

Products Chemistry

University Lecturer - University of Naples, School of Pharmacy, a series of 3 lectures on various aspects of marine natural products chemistry. 1-15 December.

Vice-Chairman (elected), 1992 Gordon Research Conference on Plant-Herbivore Interactions

Member, Bioorganic and Natural Products Study Section, National Institutes of Health, 1987-1991

Editorial Board Journal of Natural Products, 1989-current.

Editorial Board Molecular Marine Biology and Biotechnology, 1990-1995

Editorial Board Journal of Marine Biotechnology, 1995-current

Editorial Board Journal of Chemical Ecology, 1998-current

Editorial Board Phytochemistry, 1999-current

Editorial Board Chemistry and Biodiversity, 2003-current

Editorial Board Journal of Antibiotics, 2003-current

Editorial Board, Journal of Marine Drugs, 2003-current

Editorial Board, Chemistry Letters, Japan

Editorial Board, Organic Letters, USA

Distinguished Alumni Award, University of California, Riverside, 1994.

Paul Scheuer Award in Marine Natural Products Chemistry, 1996.

Silver Medal Award in Chemical Ecology, 1997. Awarded by the International Society of Chemical Ecology

Burroughs Wellcome Visiting Professorship in Microbiological Sciences (University of Guam) 2002.

NCI Merit Award from the NIH, National Cancer Institute, 2003

Appointed as "Distinguished Professor of Oceanography", SIO 2005

ACS Ernest Guenther Award in Natural Products Chemistry 2006 (March)

Lifetime Achievement Award from the American Society of Pharmacognosy (July 2006)

Elected Fellow of the American Society of Pharmacognosy (2006) August.

Distinguished Alumnus of the Year, Univ. of California, Riverside. 2006

Honored Alumnus for the College of Science and Mathematics, California State University, San Luis Obispo, CA 2007.

George Buchi Visiting Professorship, MIT, 2007-2008.

Elected as Fellow of the American Association for the Advancement of Science (AAAS) 2008.

Awarded the Inhoffen Medal (Braunschweig, Germany) 2009

**PROFESSIONAL
ACTIVITIES:**

Consultant, IMR Advisory Committee to State Water Resources Control Board, 1975-present

Organizer, First NATO International Symposium on Marine Natural Products Chemistry, Jersey, U.K., November, 1976

Member, COOP Task Force, Marine Technology Society, 1977-81

Subject Area Coordinator, New Marine Products Area, California Sea Grant College Program, 1977-present

Ad Hoc Grant Referee: National Science Foundation; Sea Grant Program; Research Corporation, National Institutes of Health 1977-present

Service to Editorial Boards (as journal referee) of Scholarly Journals or Other Publications, J. Org. Chem; J. Agri. & Food Chem.; Tetrahedron Letters; Accounts of Chemical Res.; Phytochem; Tetrahedron; J. Analytical Biochem.; J. Amer. Chem. Soc.; Science

Consultant, Kelco Co. in development of algal products, 1980-83

Consultant, Ocean Genetics Co., in the development of marine renewable biological resources, 1981-89.

Participant, First US-People's Republic of China (PRC) Joint Conference on Marine Phycology. Qingdao, PRC, 20 November - 6 December, 1982

Organizer, Eleventh International Seaweed Symposium, Section on Biomedical

Uses of Marine Algae, Qingdao, People's Republic of China, 15-20 June, 1983

Consultant, Harbor Branch Foundation, Center for Marine Biotechnology on marine biomedical development, 1983-84

Consultant, BF Goodrich Company on marine biotechnology, 1983-present

Vice-Chairman, Gordon Research Conference on Marine Natural Products Chemistry, Santa Barbara, CA, 13-17 February 1984

Participant, US-Philippines First Joint Workshop on Marine Phycology, 22 October - 6 November, 1984

Chairman, Gordon Research Conference on Marine Natural Products Chemistry, Feb, 1986.

Invitee, First US-Japan Workshop on Marine Natural Products Chemistry, Okinawa, June, 1986

Consultant, Sterling Winthrop Pharmaceuticals, 1987-94

Consultant, Ligand Pharmaceuticals, 1990-current

Co-organizer, Conference on the "Biomedical Importance of Marine Organisms", California Academy of Sciences, May 1987

Member, NIH, Bio-Organic and Natural Products Study Section, 1987-91

Organizer, Workshop "Biomedical Applications of Marine Microorganisms", Scripps Institution of Oceanography, February, 1988

Chairman, San Diego Bay Cleanup Committee, Regional Water Quality Board, San Diego 1987-current

Co-organizer, section on secondary metabolites, International Coral Reef Symposium Townsville, 1988

Co-organizer, NIH Workshop "Bioassays for discovery of antitumor and antiviral agents from natural sources", National Library of Medicine, Bethesda, MD October.

Vice Chairman, Gordon Research Conference on Plant-Herbivore Interactions, Ventura, CA 1992

Co-Chairman, Second International Marine Biotechnology Conference, Washington, D.C. October, 1991

Consultant, Pharmagenesis Inc. 1992-94

Organizer, American Society of Pharmacognosy Annual Meeting, San Diego, CA Summer 1993.

Member, Committee of Molecular Marine Biology, Ocean Studies Board, National Research Council, 1992-1994.

Vice President, International Society of Chemical Ecology, 1992-93.

President Elect, International Society of Chemical Ecology, 1993-94.

Coordinator, California Consortium for Marine Biotechnology, 1992-current.

Vice President and President Elect, American Society of Pharmacognosy 2004-2006.

Co-organizer, XI International Conference on Marine Natural Products Chemistry, Sorrento, Italy, 4-8 September, 2004

Co-founder Nereus Pharmaceuticals. 2001.

UNIVERSITY**SERVICE:**

SIO Aquarium Committee, 1976-81

Scripps Industrial Associates Steering Committee, 1976-81

Marine Operations Committee, 1977-81

Lecturer, Department of SIO, 1977-1981

Marine Chemistry Curricular Group, 1977-present

Ad Hoc committees for personnel review, 1977-present

Doctoral Dissertation Committees (see attached Teaching Activities)

Marine Life Research Group Advisory Panel, 1983-86

UCSD Representative to Systemwide Coordinating Committee on Graduate Affairs (CCGA), 1985-1987

Coordinator, Marine Chemistry Curricular group, SIO, 1985-88

UCSD Graduate Council, 1984-1987

Committee on Academic Personnel, 1986-1988
 Diving Control Board, 1986-2004.
 UCSD Institutional Biosafety Committee, 1988-94
 SIO, Long Range Planning Committee, 1986-87
 Acting Director, Institute of Marine Resources, 1988-93.
 Director and Associate Director, Marine Research Division, Scripps Institution
 of Oceanography, 1989-current.
 Director, Center for Marine Biotechnology and Biomedicine, 1996-current.
 Member Health and Safety Coordinating Council, UCSD, 1990-94.
 Conflict of Interest Advisory Committee, 1991-97.
 Coordinator, University of California Sea Grant College, 1993-1999.
 Member, Analytical Facility Committee 2003-current.
 Health and Safety Coordinating Committee 2003-current.

Graduate Students Supervised:

Bruce M. Howard; 1974-78 (currently Research Chemist McDonald-Douglass Corporation)
 Oliver J. McConnell; 1974-78 (currently Senior Researcher, Bristol-Myers Squibb)
 William Gerwick; 1976-81 (currently Professor of Oceanography, Scripps Institution of Oceanography)
 Maury Bandurraga; 1977-82 (currently research chemist, Procter and Gamble Co., Cincinnati, OH)
 Sally A. Look; 1977-83 (currently research chemist, Food and Drug Administration, Washington, D.C.)
 Valerie J. Paul; 1980-1985 (currently Director, Smithsonian Marine Lab, Ft. Pierce, FL)
 Mark T. Burch; 1982-1986
 Sofia Gil-Turnes; 1982-1988
 Niels Lindquist; 1983-89 (currently professor, Univ. of No. Carolina at Chapel Hill, Morehead City Marine Lab)
 Jongheon Shin; 1983-89 (currently Professor, Department of Pharmacy, Seoul National University)
 Louis Bookbinder; 1984-1985
 Russell Quinney; 1985-1986
 Adam Sachs; 1986-1987
 Thomas Ames; 1985-1986
 Mingku Park; 1987-1990 (Currently research chemist, Salk Research Institute for Biological Studies, La Jolla, CA.)
 Jackie Porta Trischman 1988-93 (currently Assoc. Professor, Dept. of Chemistry, Cal State San Marcos)
 Sarah Richards-Gross 1989-93
 Heonjoong Kang 1989-94 (currently Professor, Dept of Ocean Sciences, Seoul National University)
 Kevin Harrison 1989-1990
 Annette Laursen 1989-1990
 Kelly Jenkins 1993-1998 (currently research scientist Dupont Pharmaceuticals)
 Helene Vervoort 1993-1999 (currently research chemist UC-Santa Cruz)
 Tegan Eve 1994-2001 (currently instructor, University of Miami, Dept. of Chemistry)
 Monica Puyana 1995-2001 (Research Associate University of Bogota)
 Akkharawit Kanjana-Opas 1995-2001 (Asst. Professor Prince of Songkla University)
 David Rowley 1995-2001 (currently asst. professor University of Rhode Island)
 Anna Michel 1998-1999
 Tracy Mincer 1998-2004 (Research Scientist WHOI)
 Allan Spyere 1998-2004
 Christian Ridley 2002-05 (currently postdoc at Stanford University)
 Irma Soria 2001-2004. Currently Professora, Universidad Autonoma de Baja Calif. Ensenada, MX
 Dong Chan Oh 2001-2006, currently asst. professor Seoul National University.
 Eric Miller 2001-2007 Currently research chemist GNF.(Novartis) La Jolla
 Sebastian Engel 2001-2007
 Nicole Turkson 2001-2007 (currently in medical school)
 Erin Gontang 2002-2008
 Alejandra Prieto-Davo 2002-2007
 Ana Paula Espindola 2002-2007 (postdoc researcher, University of Texas Southwest Medical Branch)
 Wendy Strangman 2002-2007 (postdoc researcher, University of British Columbia, Vancouver)
 Joel Sandler 2002-2005

Choll Boonlaparadab 2002-2007 (Research Chemist in Bangkok, Thailand)
 Sandy Myskowski 2004-2005 (Research associate UC-San Diego)
 Lauge Farnæs 2006-2010 (MD-Ph.D. student at UCSD) currently resident at UCSD hospital
 Ignacio Sottorff 2012-2014

42 graduate students

Postdoctoral Scholars Supervised:

Frank J. McEnroe	1975-77	Ya-Shing Shen	1991-92	Chundakkadu Krishna	2001-02
Martha O. Stallard	1975-77	Nam-Kyung Lee	1991-93	Melany Puglisi	2001-02
Howard Sleeper	1975-7	Thomas Lindel	1992-94	Hak Cheol Kwon	2002-06
William M. Rosen	1976-77	Young-Kyoon Kim	1992-94	Timothy Bugni	2003-04
David N. Young	1976-77	Matthias Koeck	1993-95	Philip Williams	2003-06
Hao H. Sun	1977-79	Xing Cheng	1993-98	Ratnakar Asolkar	2003-08
Nancy Withers	1978-79	Steve Toske	1993-95	Glenroy Martin	2003-05
Phillipe Schneider	1979-80	Ingo Hardt	1995-97	Ji Young Cho	2003-05
Richard Izac	1979-81	Dean Wilson	1995-97	John Macmillan	2004-06
Patrizia Ciminiello	1985-86	Matthew Renner	1996-98	Michael Kemmler	2004-05
Bruce Bowden	1980-81	Zimin Liu	1996-97	Chambers Hughes	2005-201
Bernard Banaigs	1981-82	Gil Belofsky	1996-98	Takashi Fukuda	2006-2010
Christian Francisco	1982	Byeng Wha Son	1996-97	Susana Gaudencio	2006-2009
Vasillios Roussis	1987-89	Peter Lorenz	1997-98	Sandra Loesgen	2007-2009
Amiram Groweiss	1983-85	Choong Hwan Lee	1997-98	Xavier Alvarez	2008-2010
Kirk Gustafson	1984-87	Xinajian Lin	1997-98	Peng Sun	2008-2009
Wilhelmus Kokke	1976-80	Mercedes Cueto	1998-01	Brian Murphy	2007-2010
Zhongde Wu	1986-87	Anja Eckdahl	1997-98	Katherine Maloney	2006-2010
Dianne Tapiolas	1987-89	Kurt Schellhaas	1998-99	Sang Jip Nam	2006-2011
Martin Risk	1987-88	Hyuncheol Oh	1998-00	Leila Abrous	2010-2012
Leonard Hagmann	1988-89	Solange Sakata	1998-00	Lynnie Trzoss	2012-2014
Susan Pochapsky	1988-89	Hee Jae Shin	1999-00	Kyoung Hwa Jang	2010-2014
Antonio Montanari	1989-91	Julia Kubanek	1998-00	Abdhesh Kumar	2013-2014
Charles Pathirana	1989-91	Felix Flachsmann	1998-00	Ella Zafirir Elan	2011-2013
Michele D'Ambrosio	1989-90	Raphael Kiebooms	2000-01	Lynette Bueno	2014-
Mark Boehler	1990-92	Robert Feling	2000-02		
Aiya Sato	1981-83	Eliane Garo	2000-03		
Martin Wahl	1991-93	Greg Buchanan	2000-03	84 postdocs in total	
Walter Frankmoelle	1991-93	Lik Tan	2001-03		
		David Mustra	2001-02		

PUBLICATIONS:

WILLIAM FENICAL

Publications

June, 2013

- Patents**
- 1988** - "Pseudopterosins and Synthetic Derivatives, US Patent No 4,745,104
- 1989** - "Pseudopterosins and Synthetic Derivatives, US Patent No 4,849,410.
- 1992** - "Non-steroidal Progesterone Receptor Agonist and Antagonist Compounds and Methods", US Patent No 5,808,139

- 1993** - "Non-steroidal Progesterone Receptor Agonist and Antagonist Compounds and Methods" Continuation in Part of the Above
- 1994** - "Salinamides, Novel Marine Bacterial Metabolites with Potential for the Treatment of Inflammation and Pain" pending
- 1995** - "Eleutherobin and Analogs Thereof" US patent No. 5,473,057, issued 5 December, 1995
- 1995** - "Cyclic Heptapeptide Anti-inflammatory Agent" US Patent No. 5,444,043 issued 22 August, 1995.
- 1997** - "Ether Derivatives of Pseudopterosin" US patent No. 5,624,911, issued 29 April, 1997.
- 1997** - "Cyclomarin A, A Novel Anti-inflammatory Agent from a Marine Bacterium" US patent No. 5,593,960, issued 22 January, 1997.
- 1998** - "Halimide, A Cytotoxic Marine Natural Product, and Derivatives Thereof", Patent Applied for December, 1998.
- 1998** - "Halovir, An Antiviral Marine Natural Product and Derivatives Thereof". Patent Applied for December, 1998.
- 2000** - "Avrainvillamide, A Cytotoxic Marine Natural Product, And Derivatives Thereof. Issued May 23, 2000
- 2000** - "Salinospora, use in drug discovery, enzyme production, etc." Full Patent submitted ca. November, 2000.
- 2001** - "Salinosporamide A, A Potent New Cytotoxin of Unusual Origin and Structure" Patent Applied for August, 2001.
- 2004** - "Novel Polyol Macrolide Antitumor-Antibiotics from the New Marine Actinomycete strain CNQ-140 (*Marinothrix* sp.)" International and domestic patents submitted June 2003, 2004.
- 2004** - "Method for the Production of Bioactive Substances from the Novel Actinomycete Mar 3 and Mar 3B belonging to the Family Streptomycetaceae." International and domestic patents submitted June 2004.

Publications

- 1967** Thermal rearrangements of *cis*-bicyclo[6.2.0]deca-9-enes and a new cope rearrangement. Tetrahedron Lett. No. 48, 4901-4904. [P. Radlick and W. Fenical]
- 1969** The thermal rearrangement of *anti*-9-methyl-*cis*-bicyclo[6.1.0]nonatriene and *syn*-9-methyl-*cis*-bicyclo[6.1.0]nonatriene. J. Amer. Chem. Soc. 91(6), 1560-1562. [P. Radlick and W. Fenical]
- The mechanism of the addition of singlet excited oxygen to olefins - evidence for a 1,2-dioxetane intermediate. J. Amer. Chem. Soc. 91(12), 3396-3398. [W. Fenical, D. R. Kearns, and P. Radlick]

4. Mechanism of the reaction of singlet excited oxygen with olefins. II. Elimination of the concerted "ene" mechanism as the route to allylic hydroperoxides. *J. Amer. Chem. Soc.* 91, 7771-7772. [W. Fenical, D. R. Kearns, and P. Radlick]
5. **1970** Experimental and quantum chemical investigation of singlet oxygen reactions. *Ann. N.Y. Acad. Sci.* 171(1), 34-49. [D. R. Kearns, W. Fenical, and P. Radlick]
6. The synthesis and thermal rearrangement of *cis*-9-methylenebicyclo[6.1.0]nonene derivatives. *Tetrahedron Lett.* No. 31, 2707-2710. [P. Radlick, W. Fenical, and G. Alford]
7. **1971** Pacifenol, a rare sesquiterpene containing bromine and chlorine from the red alga, *Laurencia pacifica* - Marine Natural Products I. *J. Amer. Chem. Soc.* 93(15), 3774-3775. [J. J. Sims*, W. Fenical, R. M. Wing, and P. Radlick]
8. **1972** Zonarene, a sesquiterpene from the brown seaweed *Dictyopteris zonarioides* - Marine Natural Products II. *Phytochemistry* 11, 1161-1163. [W. Fenical, J. J. Sims, R. M. Wing, and P. C. Radlick]
9. Johnstonol, an unusual halogenated epoxide from the red alga *Laurencia johnstonii* - Marine Natural Products III. *Tetrahedron Lett.* No. 3, 195-198. [J. J. Sims*, W. Fenical, R. M. Wing, and P. Radlick]
10. **1973** Prepacifenol, a halogenated epoxy sesquiterpene and precursor to pacifenol from the red alga, *Laurencia filiformis* - Marine Natural Products IV. *Tetrahedron Lett.* No. 3, 195-198. [J. J. Sims*, W. Fenical, R. M. Wing, and P. Radlick]
11. Zonarol and isozonarol, fungitoxic hydroquinones from the brown seaweed *Dictyopteris zonarioides* (Marine Natural Products V). *Proc. 3rd Int. Conf. on Food-Drugs from the Sea*, Kingston, R.I., August 1972, pp. 199-202. [W. Fenical*, J. J. Sims, P. Radlick, and R. M. Wing]
12. Chondriol, a novel acetylenic metabolite from the red alga *Chondria oppositoclada* [- Marine Natural Products VI]. *Tetrahedron Lett.* No. 4, 313-316. [W. Fenical*, J. J. Sims, and P. Radlick]
13. Zonarol and isozonarol, fungitoxic hydroquinones from the brown seaweed *Dictyopteris zonarioides* [- Marine Natural Products VII]. *J. Org. Chem.* 38(13), 2383-2386. [W. Fenical*, J. J. Sims, D. Squatrito, R. M. Wing, and P. Radlick]
14. Pachydictyol A, an exceptional diterpene alcohol from the brown alga *Pachydictyon coriaceum* - Marine Natural Products VIII. *J. Amer. Chem. Soc.* 95, 4049-4050. [D. R. Hirschfeld, W. Fenical, G. H. Y. Lin, R. M. Wing, P. Radlick, and J. J. Sims*]
15. Concinndiol, a bromo-diterpene alcohol from the red alga, *Laurencia concinna* - Marine Natural Products [IX]. *J. Chem. Soc., Chem. Comm.*, pp. 470-471. [J. J. Sims*, G. H. Y. Lin, R. M. Wing, and W. Fenical]
16. **1974** Cycloeuodesmol, an antibiotic cyclopropane containing sesquiterpene from the marine alga, *Chondria oppositoclada* Dawson. *Tetrahedron Lett.* No. 13, 1137-1140. [W. Fenical* and J. J. Sims]
17. X-ray determination of chondriol; a re-assignment of structure. *Tetrahedron Lett.* No. 16, 1507-1510. [W. Fenical*, K. B. Gifkins, and J. Clardy*]
18. Rhodophytin, a halogenated vinyl peroxide of marine origin. *J. Amer. Chem. Soc.* 96, 5580-5581. [W. Fenical]

19. Polyhaloketones from the red seaweed *Asparagopsis taxiformis*. Tetrahedron Lett. No. 51/52, 4463-4466. [W. Fenical]
20. **1975** Chemotaxonomy in marine algae: chemical separation of some *Laurencia species* (Rhodophyta) from the Gulf of California. J. Phycol. 11(1), 104-108. [W. Fenical and J. N. Norris]
21. Halogenation in the Rhodophyta, a review. J. Phycol. 11(3), 245-259. [W. Fenical]
22. Irieol A and iriediol, dibromoditerpenes of a new skeletal class from *Laurencia*. Tetrahedron Lett. No. 46, 3983-3986. [W. Fenical*, B. Howard, K. B. Gifkins, and J. Clardy*]
23. Structures and chemistry of two new halogen-containing chamigrene derivatives from *Laurencia*. Tetrahedron Lett. No. 21, 1687-1690. [B. M. Howard and W. Fenical*]
24. Chromazonarol and isochromazonarol, new chromanols from the brown seaweed *Dictyopteris undulata* (zonarioides). Experientia 31, 1004-1005. [W. Fenical and O. McConnell]
25. Zonaric acid from the brown seaweed *Dictyopteris undulata*. Experientia 31, 1250-1251. [G. Cimino, S. de Stephano, W. Fenical, L. Minale, and J. J. Sims]
26. **1976** α and β -Snyderol; new bromo-monocyclic sesquiterpenes from the seaweed *Laurencia*. Tetrahedron Lett. No. 1, 41-44. [B. M. Howard and W. Fenical*]
27. Simple antibiotics from the red seaweed *Dasya pedicellata* var. *Stanfordiana*. Phytochemistry 15, 435-436. [W. Fenical and O. McConnell]
28. Chemical variation in a new bromochamigrene derivative from the red seaweed *Laurencia pacifica*. Phytochemistry 15, 511-512. [W. Fenical]
29. Sphaerococcenol A; a new rearranged bromo-diterpene from the red alga *Sphaerococcus coronopifolius*. Tetrahedron Lett. No. 10, 731-734. [W. Fenical*, J. Finer, and J. Clardy*]
30. 10-Bromo- α -chamigrene. Tetrahedron Lett. No. 29, 2519-2520. [B. M. Howard and W. Fenical*]
31. Mercury in marine algae II. Proc. 4th International Conference on Food and Drugs from the Sea, Mayaguez, Puerto Rico, November 1974, 145-151. [M. Sivick, A. Der Marderosian, P. Ullucci, and W. Fenical]
32. Geranyl hydroquinone, a cancer-protective agent from the tunicate *Aplidium* sp. Proc. 4th International Conference on Food and Drugs from the Sea, Mayaguez, Puerto Rico, November 1974, 388-394. [W. Fenical]
33. Antimicrobial activities from marine organisms. Proc. 4th International Conference on Food and Drugs from the Sea, Mayaguez, Puerto Rico, November 1974, 429-433. [P. Shaw, W. O. McClure, G. Van Blaricom, J. Sims, W. Fenical, and J. Rude]
34. **1977** Marine Natural Products Chemistry. NATO Conference Series, IV: Marine Sciences, D. J. Faulkner and W. H. Fenical, eds., Plenum Press, New York, 433 pp.

35. Diterpenoid synthesis in brown seaweeds of the family Dictyotaceae. In: Marine Natural Products Chemistry, D. J. Faulkner and W. H. Fenical, eds., Plenum Press, New York, pp. 179-189. [F. J. McEnroe, W. Fenical, and K. J. Robertson]
36. Halogenated metabolites--including Favorsky rearrangement products--from the red seaweed *Bonnemaisonia nootkana*. Tetrahedron Lett. No. 48, 4159-4162. [O. J. McConnell and W. Fenical]
37. Neoconcinndiol hydroperoxide, a novel marine diterpenoid from the red alga *Laurencia*. J. Amer. Chem. Soc. 99, 6440-6441. [B. M. Howard, W. Fenical*, J. Finer, K. Hirotsu,
38. Structure, chemistry, and absolute configuration of 1(S)-Bromo-4(R)-hydroxy-(—)-selin-7-ene from a marine red alga *Laurencia* sp. J. Org. Chem. 42, 2518. [B. M. Howard and W. Fenical]
39. Polyhalogenated 1-octene-3-ones, antibacterial metabolites from the red seaweed *Bonnemaisonia asparagoides*. Tetrahedron Lett. No. 22, 1851-1854. [O. J. McConnell and W. Fenical]
40. Pachydictyol-A epoxide, a new diterpene from the brown seaweed *Dictyota flabellata*. Phytochemistry 16, 1071-1073. [K. J. Robertson and W. Fenical]
41. Navenones A-C: trail-breaking alarm pheromones from the marine opisthobranch *Navanax inermis*. J. Amer. Chem. Soc. 99, 2367-2368. [H. L. Sleeper and W. Fenical]
42. Ptilosarcone, the toxin from the sea pen *Ptilosarcus gurneyi*. Tetrahedron Lett. No. 18, 1559-1562. [S. J. Wratten, W. Fenical, D. J. Faulkner*, and J. C. Wekell]
43. Halogen chemistry of the red alga *Asparagopsis*. Phytochemistry 16, 367-374. [O. J. McConnell and W. Fenical]
44. **1978** Structures and synthesis of some new antibacterial sesquiterpenoids from the gorgonian coral *Pseudopterogorgia rigida*. Tetrahedron 34(11), 1661-1664. [F. J. McEnroe and W. Fenical]
45. The brasilenols, rearranged sesquiterpene alcohols isolated from the marine opisthobranch *Aplysia brasiliiana*. Tetrahedron 34, 2077-2081. [M. O. Stallard, W. Fenical*, and J. S. Kittredge]
46. Obtusadiol, a unique bromoditerpenoid from the marine red alga *Laurencia obtusa*. Tetrahedron Lett. No. 28, 2453-2456. [B. M. Howard and W. Fenical*]
47. Poitediol, a new nonisoprenoid sesquiterpene diol from the marine alga *Laurencia poitei*. J. Org. Chem. 43, 3628-3630. [W. Fenical*, G. R. Schulte, J. Finer, and J. Clardy*]
48. Ochtodene and ochtodiol: novel polyhalogenated cyclic monoterpenes from the red seaweed *Ochtodes secundiramea*. J. Org. Chem. 43, 4238-4241. [O. J. McConnell and W. Fenical*]
49. Structures of the ireols, new dibromoditerpenoids of a unique skeletal class from the marine red alga *Laurencia irieii*. J. Org. Chem. 43(23), 4401-4408. [B. M. Howard and W. Fenical*]
50. Minor and trace sterols in marine invertebrates IX. Verongulasterol--a marine sterol with a novel side chain alkylation pattern. Tetrahedron Lett. No. 45, 4373-4376. [W. C. M. C. Kokke, W. Fenical, C. S. Pak, and C. Djerassi*]
51. Inhibition of cell cleavage by a halogenated sesquiterpene (elatol) and the 9-ketone synthetic derivative (elatol ketone). The Pharmacologist 20, 210. [R. Tanalski, R. Jacobs, S. White, and W. Fenical]

52. Diterpenoids. Chapter 3 in: Marine Natural Products; Chemical and Biological Perspectives, Vol. II, P. J. Scheuer, ed., Academic Press, New York, pp. 173-245. [W. Fenical]
53. **1979** Hydroxydilophol, a new monocyclic diterpenoid from the brown alga *Dictyota masonii*. J. Org. Chem. 44, 1354-1356. [H. H. Sun and W. Fenical*]
54. Diterpenoids of the brown seaweed *Glossophora galapagensis*. Phytochemistry 18, 340-341. [H. H. Sun and W. Fenical]
55. Antibiotics and antiseptic compounds from red seaweeds of the family Bonnemaisoniaceae (Florideophyceae). Proc. 9th International Seaweed Symposium, Santa Barbara, Calif., August 1977, A. Jensen and J. R. Stein, eds., Science Press, Princeton, pp. 387-400. [W. Fenical, O. J. McConnell, and A. Stone]
56. Antimicrobial agents from red algae of the family Bonnemaisoniaceae. A chapter in: Marine Algae in Pharmaceutical Science, H. A. Hoppe, T. Levring, and Y. Tanaka, eds., Walter de Gruyter Company, Berlin, pp. 403-427. [O. J. McConnell and W. Fenical]
57. Stypotriol and stypoldione; ichthyotoxins of mixed biogenesis from the marine alga *Styopodium zonale*. Tetrahedron Lett. No. 2, 145-148. [W. H. Gerwick, W. Fenical*, N. Fritsch and J. Clardy*]
58. Rhipocephalin and rhipocephenal; toxic feeding deterrents from the tropical marine alga *Rhipocephalus phoenix*. Tetrahedron Lett. No. 8, 685-688. [H. H. Sun and W. Fenical*]
59. Guadalupol and epiguadalupol, rearranged sesquiterpene alcohols from *Laurencia snyderiae* var. *guadalupensis*. Phytochemistry 18, 1224-1225. [B. M. Howard and W. Fenical]
60. Structures of dictyodial and dictyolactone, unusual marine diterpenoids. J. Org. Chem. 44: 2044-2047. [J. Finer, J. Clardy*, W. Fenical, L. Minale*, R. Riccio, J. Battaile, M. Kirkup, and R. E. Moore*]
61. Minor and trace sterols in marine invertebrates. XII. Occurrence of 24(S+R)-Isopropenylcholesterol, 24(S+R)-Methylcholesta-5,25-diene-3b-ol, and 24(S+R)-Methylcholesta-7,25-diene-3b-ol in the Caribbean sponge, *Verongia cauliformis*. Helv. Chim. Acta, 62(4): 1310-1318. [W. C. M. C. Kokke, C. S. Pak, W. Fenical, and C. Djerassi]
62. Defensive chemistry of *Navanax* and related opisthobranch molluscs. Pure & Appl. Chem. 51, 1865-1874. [W. Fenical, H. L. Sleeper, V. J. Paul, M. O. Stallard, and H. H. Sun]
63. Obtusin, a unique bromine-containing polycyclic ketal from the red marine alga *Laurencia obtusa*. Tetrahedron Lett. No. 31, 2841-2844. [B. M. Howard, W. Fenical, E. V. Arnold, and J. Clardy*]
64. Isolation and synthesis of 23-methyl-22-dehydrocholesterol - a marine sterol of biosynthetic significance. Tetrahedron Lett. No. 38, 3601-3604. [W. C. M. C. Kokke, N. W. Withers, I. J. Massey, W. Fenical*, and C. Djerassi*]
65. Isolation of sterols with cyclopropyl-containing side chains from the cultured marine alga *Peridinium foliaceum*. Tetrahedron Lett. No. 38, 3605-3608. [N. W. Withers, W. C. M. C. Kokke, M. Rohmer, W. Fenical*, and C. Djerassi*]

66. Brasilenyne and *cis*-dihydrorhodophytin: Antifeedant medium-ring halo-ethers from a sea hare (*Aplysia brasiliana*). Proc. National Academy of Sciences 76(8), 3576-3579. [R. B. Kinnel, R. K. Dieter, J. Meinwald, D. Van Engen, J. Clardy, T. Eisner, M. O. Stallard, and W. Fenical]
67. Molecular aspects of halogen-based biosynthesis of marine natural products. Chapter 8 in: Topics in the Biochemistry of Natural Products, T. Swain and G. R. Waller, eds., Vol. 13 of Recent Advances in Phytochemistry, Plenum Press, New York, pp. 219-239. [W. Fenical]
68. **1980** Natural halogenated organics. A chapter in: Organic Chemistry of Seawater, R. Dawson and E. K. Duursma, eds., Elsevier Publishing Co., Amsterdam, Holland, pp. 375-393. [W. Fenical]
69. Subcellular localization of brominated secondary metabolites in the red alga *Laurencia snyderae*. J. Phycol. 16, 182-185. [D. N. Young*, B. M. Howard, and W. Fenical]
70. Alarm pheromones from the marine opisthobranch *Navanax inermis*. J. Chem. Ecol. 6(1), 57-70. [H. L. Sleeper, V. J. Paul, and W. Fenical]
71. Halogen chemistry of the red algae *Bonnemaisonia*. Phytochemistry 19, 233-247. [O. J. McConnell* and W. Fenical]
72. The rhodophytin and chondriol natural products; structures of several new acetylenes from *Laurencia*, and a reassignment of structure for *cis*-rhodophytin. Tetrahedron 36, 171-176. [B. M. Howard, W. Fenical*, K. Hirotsu, B. Solheim, and J. Clardy*]
73. Three new vinyl acetylenes from the marine red alga *Laurencia*. Tetrahedron 36, 1747-1751. [B. M. Howard, G. R. Schulte, W. Fenical*, B. Solheim, and J. Clardy*]
74. Palisadins A,B and related monocyclofarnesol-derived sesquiterpenoids from the red marine alga *Laurencia cf. palisada*. Tetrahedron Lett. 21, 2787-2790. [V. J. Paul and W. Fenical]
75. Bifurcarenone, an inhibitor of mitotic cell division from the brown alga *Bifurcaria galapagensis*. Tetrahedron Lett. 21, 3123-3126. [H. H. Sun, N. M. Ferrara, O. J. McConnell, and W. Fenical]
76. Toxic acetylene-containing lipids from the red marine alga *Liagora farinosa* Lamouroux. Tetrahedron Lett. 21, 3327-3330. [V. J. Paul and W. Fenical]
77. Cyclic monoterpene feeding deterrents from the red marine alga *Ochtodes crockeri*. J. Org. Chem. 45, 3401-3407. [V. J. Paul, O. J. McConnell, and W. Fenical]
78. Isolation of two new C₃₀ sterols, (24*E*)-24-*n*-propylidenecholesterol and 24*xi*-*n*-propylcholesterol, from a cultured marine Chrysophyte. Steroids 35(2), 219-231. [M. Rohmer, W. C. M. C. Kokke, W. Fenical, and C. Djerassi]
79. Chemotaxonomy in marine algae: secondary metabolite synthesis by *Laurencia* in unialgal culture. Biochem. System. Ecol. 8, 329-336. [B. M. Howard, A. M. Nonomura, and W. Fenical]
80. Distributional and taxonomic features of toxin-producing marine algae. In: Pacific Seaweed Aquaculture, Proc. Symp. on Useful Algae, I. A. Abbott, M. S. Foster, and L. F. Eklund, eds., Pacific Grove, CA, 6-8 March 1980, California Sea Grant College Program, La Jolla, CA, pp. 144-151. [W. Fenical]

81. The scope and diversity of terpenoid biosynthesis by the marine alga *Laurencia*. In: Progress in Phytochemistry 7, 263-300. [B. M. Howard and W. Fenical]
82. Isoconcinndiol, a brominated diterpenoid from *Laurencia snyderae* var. *guadalupensis*. Phytochemistry 19, 2774-2776. [B. M. Howard and W. Fenical]
83. Peridinosterol - a new Δ^{17} -unsaturated sterol from two cultured marine algae. Tetrahedron Lett., 4663-4666. [W. Swenson, B. Tagle, J. Clardy, N. W. Withers, W. C. M. C. Kokke, W. Fenical, and C. Djerassi]
84. Isolation and structure of spatol, a potent inhibitor of cell replication from the brown seaweed *Spatoglossum schmittii*. J. Amer. Chem. Soc. 102, 7991-7993. [W. H. Gerwick, W. Fenical, D. Van Engen, and J. Clardy]
85. **1981** Tricyclic diterpenoids of the dolastane ring system from the marine alga *Dictyota divaricata*. Tetrahedron 37, 1237-1242. [H. H. Sun, O. J. McConnell, W. Fenical, K. Hirotsu, and J. Clardy]
86. Sterol synthesis by cultured zooxanthellae; implications concerning sterol metabolism in the host-symbiont association in Caribbean gorgonians. Comp. Biochem. Physiol. 68B, 281-287. [W. C. M. C. Kokke, W. Fenical*, L. Bohlin, and C. Djerassi]
87. New sterols with unusual nuclear unsaturation from three cultured marine dinoflagellates. Phytochemistry 20, 127-134. [W. C. M. C. Kokke, W. Fenical, and C. Djerassi*]
88. Ichthyotoxic and cytotoxic metabolites of the tropical brown alga *Stypopodium zonale* (Lamouroux) Papenfuss. J. Org. Chem. 46, 22-27. [W. H. Gerwick and W. Fenical]
89. Antibiotics in microbial ecology. Isolation and structure assignment of several new antibacterial compounds from the insect-symbiotic bacteria *Xenorhabdus* spp. J. Chem. Ecol. 7(3), 589-597. [V. J. Paul, S. Frautschy, W. Fenical, and K. H. Neelson]
90. Lophotoxin: a novel neuromuscular toxin from Pacific sea whips of the genus *Lophogorgia*. Science 212, 1512-1514. [W. Fenical, R. K. Okuda, M. M. Bandurraga, P. Culver, R. S. Jacobs]
91. Spatane diterpenoids from the tropical marine alga *Stoechospermum marginatum* (Dictyotaceae). J. Org. Chem. 46, 2233-2241. [W. H. Gerwick, W. Fenical, and M. U. S. Sultanbawa]
92. Neolemnane and eremophilane sesquiterpenoids from the Pacific soft coral *Lemnalia africana*. Tetrahedron 37(5), 2569-2573. [R. R. Izac, W. Fenical, B. Tagle, and J. Clardy]
93. *In vivo* biosynthesis of tribromoheptene oxide in *Bonnemaisonia nootkana*. Phytochemistry 20(10), 2335-2337. [D. N. Young, O. J. McConnell, and W. Fenical]
94. 4-methyl-24S-ethyl-5- α -cholestan-3- β -ol and 4-methyl-24S-ethyl-5-cholest-8(14)-en-3-ol, two new sterols from a cultured marine dinoflagellate. Phytochemistry 20(10), 2397-2401. [L. Bohlin, W. C. M. C. Kokke, W. Fenical, and C. Djerassi*]
95. **1982** Chemical defense in tropical marine algae. Smithsonian Contributions to Marine Science 12, 417-431. [W. Fenical and J. N. Norris]

96. Novel dinoflagellate 4- α -methylated sterols from four Caribbean gorgonians. *Phytochemistry* 21(4), 881-887. [W. C. M. C. Kokke, L. Bohlin, W. Fenical, and C. Djerassi*]
97. Terpenoids of algae. In: *Handbook of Biosolar Resources*, Vol. 1(1), O. R. Zaborsky, ed., CRC Press, pp. 467-477. [W. Fenical]
98. The expanding role of marine organisms in anticancer chemotherapy. *Proc. 2nd Int. Conf. on Biosaline Res.*, La Paz, Mexico, 1980, A. San Pietro, ed., *Envir. Res.* 23: 355-367. [W. Fenical]
99. Udoteal, a linear diterpenoid feeding deterrent from the tropical green alga *Udotea flabellum*. *Phytochemistry* 21(2), 468-469. [V. J. Paul, H. H. Sun, and W. Fenical]
100. Phenolic lipids from related marine algae of the order Dictyotales. *Phytochemistry* 21(3), 633-637. [W. Gerwick and W. Fenical]
101. Natural products chemistry in the marine environment. *Science* 215, 923-928. [W. Fenical]
102. New nor-sesquiterpenoids of apparent nardosinane origin from the Pacific soft coral *Paralemnalia thyrsoides*. *Tetrahedron Lett.* 23(8), 817-820. [R. R. Izac, P. Schneider, M. Swain, and W. Fenical]
103. Germacrene derivatives from diverse marine soft corals (Octocorallia). *Tetrahedron* 38(2), 301-304. [R. R. Izac, M. M. Bandurraga, J. M. Wasylyk, F. W. Dunn, and W. Fenical]
104. Diketone cembrenolides from the Pacific gorgonian *Lophogorgia alba*. *Tetrahedron* 38(2), 305-310. [M. M. Bandurraga, B. McKittrick, and W. Fenical]
105. The isolation of new norcycloartene triterpenoids from the tropical marine alga *Tydemania expeditionitis* (Chlorophyta). *Tetrahedron Lett.* 23(34), 3459-3462. [V. J. Paul, W. Fenical, S. Raffii, and J. Clardy]
106. Neoirieone, a diterpenoid of a new skeletal class from the red marine alga *Laurencia cf. irieii*. *Tetrahedron Lett.* 23(38), 3847-3850. [B. M. Howard, W. Fenical, S. F. Donovan, and J. Clardy]
107. Sterol patterns of cultured zooxanthellae isolated from marine invertebrates: Synthesis of gorgosterol and 23-desmethylgorgosterol by aposymbiotic algae. *Proc. Nat'l. Acad. Sci., U.S.A.* 79, 3764-3768. [N. W. Withers, W. C. M. C. Kokke, W. Fenical, and C. Djerassi*]
108. New bicyclic diterpenoids from the Caribbean gorgonian octocoral *Eunicea calyculata*. *J. Org. Chem.* 47, 4129-4134. [S. A. Look and W. Fenical*]
109. Hydroxylated diterpenoid hydroquinones from *Cystoseira elegans*: significant products or artifacts? *Tetrahedron Lett.* 23(32), 3271-3272. [B. Banaigs, C. Francisco, E. Gonzalez, L. Codomier, and W. Fenical]
110. The structure of pacifigorgiol, an ichthyotoxic sesquiterpenoid from the Pacific gorgonian coral *Pacifigorgia cf. adamsii*. *Tetrahedron Lett.* 23(37), 3743. [R. R. Izac, S. E. Poet, W. Fenical, D. Van Engen and J. Clardy]
111. Pseudopterolide, an irregular diterpenoid with unusual cytotoxic properties from Caribbean sea whip *Pseudopterogorgia acerosa* (Pallas) (Gorgonacea). *J. Am. Chem. Soc.*, 104: 6463-6565. [M. Bandurraga, W. Fenical, S. F. Donovan, and J. Clardy]

112. Toxic feeding deterrents from the tropical marine alga *Caulerpa bixinensis* (Chlorophyta). *Tetrahedron Lett.* 23(48), 5017-5020. [V. J. Paul and W. Fenical]
113. Sterols of the cultured dinoflagellate *Pyrocystis lunula*. *Steroids* 40(3), 307-318. [W. C. M. C. Kokke, W. Fenical, and C. Djerassi]
114. Sterols of the cultured euglenid *Eutreptia viridis*: a novel D²³ unsaturated sterol. *Steroids* 40(4), 403-411. [J. Zielinski, W. C. M. C. Kokke, W. Fenical, and C. Djerassi]
115. **1983** Investigation of benthic marine algae as a resource for new pharmaceuticals and agricultural chemicals. *Proc. Joint China-U.S. Phycology Symp.*, Qingdao, People's Republic of China, December 1982, pp. 497-521. [W. Fenical]
116. Acetoxycrenulide, a new bicyclic cyclopropane-containing diterpenoid from the brown seaweed *Dictyota crenulata*. *J. Org. Chem.* 48, 1903-1906. [H. H. Sun, F. J. McEnroe, and W. Fenical]
117. Avrainvilleol, a brominated diphenylmethane derivative with feeding deterrent properties from the tropical green alga *Avrainvillea longicaulis*. *Phytochemistry* 22(3), 743-745. [H. H. Sun, V. J. Paul, and W. Fenical]
118. Gramine-derived bromo-alkaloids from the marine bryozoan *Zoobotryon verticillatum*. *Tetrahedron Lett.* 24(5), 481-484. [A. Sato and W. Fenical]
119. Diterpenoid metabolites from the marine alga *Cystoseira elegans*. *Tetrahedron* 39(4), 629-638. [B. Banaigs, C. Francisco, E. Gonzalez and W. Fenical]
120. Spatane diterpenoids from the tropical marine algae *Spatoglossum schmittii* and *S. howleii* (Dictyotaceae). *J. Org. Chem.* 48, 3325-3329. [W. H. Gerwick and W. Fenical*]
121. Isolation of halimedatriol: chemical defense adaptation in the calcareous reef-building alga *Halimeda*. *Science* 221, 747-749. [V. J. Paul and W. Fenical*]
122. A hydroxylated diterpenoid substituted quinol from the brown alga *Cystoseira elegans*. *Phytochem.* 22, 2865-2867. [B. B. Banaigs, B. Marcos, C. Francisco, E. Gonzalez and W. Fenical*]
123. **1984** Lophotoxin irreversibly inactivates the nicotinic acetylcholine receptor by preferential association at one of the two primary agonist sites. *J. Biol. Chem.* 259(6), 3763-3770. [P. Culver, W. Fenical, and P. Taylor*]
124. Calyculones, new cubitane diterpenoids from the Caribbean gorgonian octocoral *Eunicea calyculata*. *J. Org. Chem.* 49, 1417-1423. [S. A. Look, W. Fenical, Z. Qui-tai, and J. Clardy*]
125. Inflatene, an ichthyotoxic C₁₂ hydrocarbon from the stoloniferan soft-coral *Clavularia inflata* var. *luzoniana*. *Tetrahedron Lett.* 25(13), 1325-1328. [R. R. Izac, W. Fenical, and J. M. Wright*]
126. Erythrolides, unique marine diterpenoids interrelated by a naturally occurring Di-p-Methane rearrangement. *J. Amer. Chem. Soc.* 106, 5026-5027. [S. A. Look, W. Fenical, D. Van Engen, and J. Clardy*]

127. On the origin of terpenes in symbiotic associations between marine invertebrates and algae (Zooxanthellae): culture studies and an application of $^{13}\text{C}/^{12}\text{C}$ isotope ratio mass spectrometry. *J. Biol. Chem.* 259(13), 8168-8173. [W. M. C. Kokke, S. Epstein, S. A. Look, G. H. Rau, W. Fenical, and C. Djerassi]
128. Bioactive terpenoids from Caribbean marine algae of the genera *Penicillus* and *Udotea* (Chlorophyta). *Tetrahedron* 40(15), 2913-2918. [V. J. Paul and W. Fenical]
129. 12-Hydroxy-E-g-bisabolene, a new sesquiterpene alcohol from a Caribbean sea whip of the genus *Pseudopterogorgia* (Gorgonacea, Cnidaria). *Experientia* 40, 931-933. [S. A. Look, K. Buchholz, and W. Fenical]
130. Novel bioactive diterpenoid metabolites from tropical marine algae of the genus *Halimeda* (Chlorophyta). *Tetrahedron* 40(16), 3053-3062. [V. J. Paul and W. Fenical]
131. Antimicrobial and cytotoxic terpenoids from tropical green marine algae of the family Udoteacea. Session on: Algae in medicine and pharmacology. W. H. Fenical, convener. In: *Developments in Hydrobiology. Proceedings of the 11th International Seaweed Symposium*, C. J. Bird and M. A. Ragan, eds., pp. 135-140. [W. Fenical and V. J. Paul] (Also published in: *Hydrobiologica*. 116/117, 135-140.)
132. Biosynthetic studies of marine lipids. 4. Mechanism of side chain alkylation in (E)-24-propylidenecholesterol by a chrysophyte alga. *J. Org. Chem.* 49, 3742-3752. [W. C. M. C. Kokke, J. N. Shoolery, W. Fenical and C. Djerassi]
133. **1985** Isolation of the muricins: evidence of a chemical adaptation against fouling in the marine octocoral *Muricea fruticosa* (Gorgonacea). *Tetrahedron* 41(6), 1057-1065. [M. M. Bandurraga and W. Fenical]
134. Natural products chemistry: uses in ecology and systematics. In: *Handbook of Phycological Methods Ecological Field Methods: Macroalgae*, M. M. Littler and D. S. Littler, eds. Cambridge Univ. Press. Ch. 6, pp. 121-145. [J. N. Norris and W. Fenical]
135. A rearranged chamigrene derivative and its potential biogenetic precursor from a new species of the marine red algal genus *Laurencia* (Rhodomelaceae). *Phytochemistry* 24(5), 987-989. [M. L. Bittner, M. Silva, V. J. Paul, and W. Fenical]
136. Chemical variation in the tropical seaweed *Stypopodium zonale* (Dictyotaceae). *Phytochemistry* 24(6), 1279-1283. [W. H. Gerwick, W. Fenical, and J. N. Norris]
137. Sterols in marine invertebrates. 49. Isolation and structure elucidation of eight new polyhydroxylated sterols from the soft-coral *Sinularia dissecta*. *J. Org. Chem.* 50, 1435-1439. [B. M. Jagodzinska, J. S. Trimmer, W. Fenical, and C. Djerassi]
138. Sterols in marine invertebrates. 51. Isolation and structure elucidation of C-18 functionalized sterols from the soft-coral *Sinularia dissecta*. *J. Org. Chem.* 50, 2988-2992. [B. M. Jagodzinska, J. S. Trimmer, W. Fenical, and C. Djerassi]
139. Subergorgic acid, a novel tricyclopentanoid cardiotoxin from the pacific gorgonian coral *Subergorgia suberosa*. *Tetrahedron Lett.* 26(20), 2379-2382. [A. Groweiss, W. Fenical*, H. Cun-heng*, J. Clardy*, W. Zhongde, Y. Zhongnian, and L. Kanghou]
140. Norcembre diterpenoids from pacific soft-corals of the genus *Sinularia* (Alcyonacea; Octocorallia). *Tetrahedron* 41(19), 4303-4308. [A. Sato, W. Fenical, Z. Qi-Tai., and J. Clardy]

141. Diterpenoid metabolites from pacific marine algae of the order Caulerpales (Chlorophyta). *Phytochemistry* 24, 2239-2243. [V. J. Paul and W. Fenical*]
142. Kallolide A, a new anti-inflammatory diterpenoid, and related lactones, from the Caribbean octocoral *Pseudopterogorgia kallos* (Bielschowsky). *J. Org. Chem.* 50, 5741-5746. [S. A. Look, M. T. Burch, W. Fenical*, Z. Qi-tai, and J. Clardy]
143. Structure-activity relationships for the irreversible blockade of nicotinic receptor agonist sites by lophotoxin and congeneric diterpene lactones. *Molecular Pharmacology*, 28, 436-444. [P. Culver, M. Burch, C. Potenza, L. Wasserman, W. Fenical, and P. Taylor]
144. **1986** Marine alkaloids and related compounds. In: *Alkaloids: Chemical and Biological Perspectives*, S. W. Pelletier, ed., John Wiley & Sons, Inc., Vol. 4, Ch. 2, pp. 275-330. [W. Fenical]
145. The pseudopterოსins; anti-inflammatory and analgesic natural products from sea whip *Pseudopterogorgia elisabethae*. *Proc. Natl. Acad. Sci.* 83, 6238-6240. [S. A. Look, W. Fenical, R. S. Jacobs, and J. Clardy]
146. New macrocyclic a- and g-pyrone from the marine red alga *Phacelocarpus labillardieri*. *Tetrahedron Lett.* 27(43), 5189-5192. [J. Shin, V. J. Paul, and W. Fenical*]
147. Mechanisms of action of the marine natural product stypoldione: Evidence for reaction with sulfhydryl groups. *J. Med. Chem.* 29, 1951. [E. T. O'Brien, D. J. Asai, A. Groweiss, B. H. Lipshutz, W. Fenical, R. S. Jacobs, and L. Wilson*]
148. Chemical defense in tropical green algae; order Caulerpales. *Mar. Ecol. Prog. Ser.* 34, 157-169. [V. J. Paul and W. Fenical*]
149. The pseudopterოსins: a new class of antiinflammatory and analgesic diterpene pentosides from the marine sea whip *Pseudopterogorgia elisabethae* (Octocorallia). *J. Org. Chem.* 51, 5140-5145. [S. A. Look, W. Fenical,* G. K. Matsumoto, and J. Clardy].
150. **1987** Patterns of chemical defense among Caribbean gorgonian corals: A preliminary survey. *J. Exp. Mar. Biol. and Ecol.* 108, 55-66. [J. R. Pawlik, M. T. Burch, and W. Fenical*]
151. Evidence for chemical defense in tropical green alga *Caulerpa ashmeadii* (Caulerpaceae: Chlorophyta): Isolation of new bioactive sesquiterpenoids. *J. Chem. Ecol.* 13(5), 1171-1185. [V. J. Paul, M. M. Littler, D. S. Littler, and W. Fenical]
152. The seco-pseudopterოსins, new anti-inflammatory diterpene-glycosides from a Caribbean gorgonian octocoral of the genus *Pseudopterogorgia*. *Tetrahedron* 43(15), 3363-3370. [S. A. Look and W. Fenical*]
153. Isolation of gliovictin from the marine deuteromycete *Asteromyces cruciatus*. *Phytochemistry* 26(12), 3347. [J. Shin and W. Fenical*]
154. Natural products chemistry and chemical defense in tropical marine algae of the phylum Chlorophyta. In: *Bioorganic Marine Chemistry*, P. J. Scheuer, ed., Vol. 1, Cha. 1., pp. 1-30, Springer-Verlag Publishers, Heidelberg. [V. J. Paul and W. Fenical]
155. Marine soft-corals of the genus *Pseudopterogorgia*: A resource for novel anti-inflammatory diterpenoids. *J. Nat. Prod.* 50(6), 1001-1008. [W. Fenical]

156. Chemical defense in the seaweed *Ochtodes secundiramea* (Montagne) Howe (Rhodophyta): Effects of its monoterpene components upon diverse coral-reef herbivores. *J. Exp. Mar. Biol. and Ecol.* 114, 249-260. [V. J. Paul, M. E. Hay, E. T. Duffy, W. Fenical, and K. Gustafson]
157. Chemical defense against different marine herbivores: Are amphipods insect equivalents? *Ecology* 68(6), 1567-1580. [M. E. Hay, J. E. Duffy, C. A. Pfister, and W. Fenical]
158. Chemical defense against diverse coral reef herbivores. *Ecology* 68(6), 1581-1591. [M. E. Hay, W. Fenical*, and K. Gustafson]
159. A novel tetracyclic polyketal from the marine red alga *Laurencia chilensis*. *Tetrahedron Letters* 28(35), 4031-4032. [M. Bittner, F. Gonzalez, H. Valdebenito, M. Silva, V. J. Paul, W. Fenical*, M. H. M. Chen, and J. Clardy]
160. **1988** Use of selective toxins to examine acetylcholine receptor structure. In: *Biomedical Importance of Marine Organisms*, D. G. Fautin, ed. *Memoirs of California Academy of Science* No. 13, pp. 109-114. [P. Taylor, P. Culver, S. Abramson, T. Kline, L. Wasserman, and W. Fenical]
161. Concluding remarks. *Ibid.* p. 159. [W. Fenical]
162. Marine plant-herbivore interactions: The ecology of chemical defense. *Ann. Rev. Ecol. Syst.* 19, 111-145. [M. E. Hay and W. Fenical]
163. Solenolides, new antiinflammatory and antiviral diterpenoids from a marine octocoral of the genus *Solenopodium*. *J. Org. Chem.* 53, 2401-2406. [A. Groweiss, S. A. Look, and W. Fenical*]
164. Large mobile versus small sedentary herbivores and their resistance to seaweed chemical defenses. *Oecologia* 75, 246-252. [M. E. Hay, P. E. Renaud, and W. Fenical]
165. Asperketals A-F, new diterpenoids of the dilophol class from the Caribbean gorgonian *Eunicea asperula*. *J. Org. Chem.* 53, 3271-3276. [J. Shin and W. Fenical*]
166. Isolation and structure determination of the didemnenones, novel cytotoxic metabolites from tunicates. *J. Am. Chem. Soc.* 110, 1308-1309. [N. Lindquist, W. Fenical*, D. F. Sesin, C. M. Ireland*, G. D. Van Duyne, C. J. Forsyth, and J. Clardy*]
167. Chemical defense in the seaweed *Dictyopteris delicatula*: differential effects against reef fishes and amphipods. *Mar. Ecol. Prog. Ser.* 48, 185-192. [M. E. Hay, J. E. Duffy, W. Fenical, K. Gustafson]
168. Chemical and structural defenses of Caribbean gorgonians (*Pseudopterogorgia* spp.). I. Development of an *in situ* feeding assay. *Mar. Ecol. Prog. Ser.* 49, 287-294. [C. D. Harvell, W. Fenical, C. H. Greene]
169. New diterpenoid feeding deterrents from the Pacific green alga *Pseudochlorodesmis furcellata* (Chlorophyta). *Phytochem.* 27, 1011-1014. [V. J. Paul, P. Cimminiello and W. Fenical*]
170. New alkaloids of the lamellarin class from the marine ascidian *Didemnum chartaceum*. *J. Org. Chem.* 53, 4570-4574. [N. Lindquist, W. Fenical*, G. D. Van Duyne, and J. Clardy]
171. New marine diterpenoids, including a unique hydroperoxide, from a Caribbean gorgonian coral of the genus *Pseudopterogorgia*. *Tetrahedron Lett.* 29(35), 4361-64. [C. A. Harvis, M. T. Burch, and W. Fenical*]

172. **1989** A re-evaluation of the ichthyodeterrent role of prostaglandins in the Caribbean gorgonian coral *Plexaura homomalla*. Mar. Ecol. Prog. Ser. 52, 95-98. [J. R. Pawlik, W. Fenical]
173. The macrolactins, a novel class of anti-viral and cytotoxic macrolides from a deep sea marine bacterium. J. Amer. Chem. Soc. 111, 7519-7524. [K. Gustafson, M. Roman, and W. Fenical*]
174. Ascidiatrienolides A-C, novel lactonized eicosanoids from the colonial marine ascidian *Didemnum candidum*. Tetrahedron Lett. 30(21), 2735-38. [N. Lindquist and W. Fenical*]
175. The complete spectral assignment of didemnin B and nordidemnin B. Tetrahedron Lett. 30(23), 3053-56. [T. C. McKee, C. M. Ireland, N. Lindquist and W. Fenical*]
176. Chemical and structural defenses of Caribbean gorgonians (*Pseudopterogorgia* spp.) II: Intracolony localization of defense. Limnol. and Oceanogr. 34, 382-389. [C. D. Harvell and W. Fenical]
177. Symbiotic Marine Bacteria Chemically Defend Crustacean Embryos from a Pathogenic Fungus. Science 246, 116-118. [M. Sofia Gil-Turnes, M. E. Hay and W. Fenical]
178. Seaweed-Herbivore-Predator Interactions: Host-Plant Specialization Reduces Predation on Small Herbivores. Oecologia 81, 418-427. [M. E. Hay, J. R. Pawlik and, J. E. Duffy and W. Fenical]
179. The Junceelollides, New Anti-Inflammatory Diterpenoids of the Briarane Class from the Chinese Gorgonian *Junceelia fragilis*. Tetrahedron 45, 1633-1638. [J. Shin. M. Park and W. Fenical*]
180. Norasperenals A-D, Unprecedented Trisnorditerpenoids from the Caribbean Gorgonian *Eunicea* sp. Tetrahedron Lett. 30, 6821-6824. [J. Shin and W. Fenical]
181. **1990** New Anti-inflammatory Pseudopterogens from the Marine Octocoral *Pseudopterogorgia elisabethae*. J. Org. Chem. 55, 4916-4922. [V. Roussis, Zhongde Wu, W. Fenical, S. A. Strobel, G. D. Van Duyne and J. Clardy]
182. PGF_{2a}-9-Acetate Methyl Ester, A Minor Naturally Occurring Prostaglandin from the Gorgonian Coral *Plexaura homomalla*.. J. Nat. Prod. 53, 222-223. [A. Groweiss and W. Fenical]
183. Secondary Metabolites of the Chemically-Rich Ascoglossan *Cyerce nigricans*. Experientia 46, 327-329. [V. Roussis, J. R. Pawlik, M. E. Hay and W. Fenical]
184. Palmosalides A-C, New Sesquiterpenoids from the Indian Ocean Telestacean Octocoral *Coelogorgia palmosa*. Tetrahedron Lett. 31, 1973-1976. [D. F. Wiemer, L. K. Wolfe, W. Fenical, S. A. Strobel and J. Clardy]
185. Chemical Defenses of the Tropical Ascidian *Atapozoa* sp. and its Nudibranch Predators *Nembrotha* spp. Mar. Ecol. Prog. Ser. 59, 109-118. [V. J. Paul, N. Lindquist and W. Fenical]
186. Host-Plant Specialization Decreases Predation on a Marine Amphipod: An Herbivore in Plant's Clothing. Ecology 72(2), 733-743. [M. E. Hay, J. E. Duffy and W. Fenical]
187. Polycarpamines A-E, Antifungal Disulfides from the Marine Ascidian *Polycarpa auzata*.. Tetrahedron Lett. 31, 2389-2392. [N. Lindquist and W. Fenical]

188. Polyandrocarpamides A-D, Novel Metabolites from the Marine Ascidian *Polyandrocarpa* sp. Tetrahedron Lett. 31, 2521-2524. [N. Lindquist and W. Fenical]
189. Seaweed Chemical Defenses: Among-Compound and Among-Herbivore Variance. In: Proc. 6th Int. Coral Reef Congress 1988, Townsville, Australia. Vol. 3, August. 1990, 43-48. [M. E. Hay, J. E. Duffy, and W. Fenical]
190. Specialist Herbivores Reduce their Susceptibility to Predation by Feeding on the Chemically Defended Seaweed *Avrainvillea longicaulis*. Limnology and Oceanography 35(8), 1734-1743. [M. E. Hay, J. E. Duffy, V. J. Paul, P. E. Renaud and W. Fenical]
191. Structure Assignments of Two New C-18 Oxygenated Steroidal Ketals Isolated from a Pacific Soft-coral of the Genus *Sinularia*.. Experientia 46, 980-982. [P. Ciminiello, W. Fenical and V.J. Paul].
192. **1991** Isolation and Structure Determination of Diazonamides A and B, Unusual Cytotoxic Metabolites from the Marine Ascidian *Diazona chinensis*. J. Am. Chem. Soc. 113, 2303-2304. [N. Lindquist, W. Fenical*, G. Van Duyne and J Clardy*]
193. New Diterpenoids from the Caribbean Gorgonian *Eunicea calyculata*. Photochemical Interconversion of the Cembrene and Cubitene Skeletons. J. Org. Chem. 56, 1227-1233. [J. Shin and W. Fenical*]
194. Octalactins A and B, Cytotoxic 8-Membered Ring Lactones from the Marine Bacterium *Streptomyces* sp. J. Am. Chem. Soc. 113, 4682-4683. [D. M. Tapiolas, M. Roman, W. Fenical*, T. J. Stout and J. Clardy*]
195. Polyclinal, a new sulfated polyhydroxy benzaldehyde from the marine ascidian *Polyclinum planum*. Experientia 47, 503-504. [N. Lindquist, W. Fenical, L. Parkanyi, J. Clardy]
196. New Tamjamine Class Alkaloids from the Marine Ascidian *Atapozoa* sp. and its Nudibranch Predators - Origin of the Tamjamines in *Atapozoa*. Experientia 47, 504-506. [N. Lindquist and W. Fenical]
197. Fuscoides A-D, Anti-inflammatory Diterpenoid Glycosides of New Structural Classes from the Caribbean Gorgonian *Eunicea fusca*.. J. Org. Chem. 56, 3153-58. [J. Shin and W. Fenical*]
198. Structure/Activity and Molecular Modeling Studies of the Lophotoxin Family of Irreversible Nicotinic Receptor Antagonists. J. Med. Chem. 34, 1798-1804. [S. N. Abramson, J. A. Trischman, D. M. Tapiolas, E. E. Herold, W. Fenical and P. Taylor]
199. Structure Determination of Maduralide: A New 24-Membered Ring Macrolide Glycoside Produced by a Marine Bacterium (Actinomycetales). Tetrahedron Lett. 32 (21), 2323-2326. [C. Pathirana, D. Tapiolas, P. R. Jensen, R. Dwight and W. Fenical*]
200. Structures and Reactivities of New Dolabellane Diterpenoids from the Caribbean Gorgonian *Eunicea laciniata*.. J. Org. Chem. 56, 3392-3398. [J. Shin and W. Fenical*]
201. The Distribution of Actinomycetes in Near-Shore Tropical Marine Sediments. Applied and Environmental Microbiology 57(4), 1102-1108. [P. R. Jensen*, R. Dwight and W. Fenical]
202. Aplasmomycin C: Structural Studies of a Marine Antibiotic. Tetrahedron 47(22), 3511-3520. [T. J. Stout, J. Clardy*, I. C. Pathirana, W. Fenical*]

203. Vidalols A and B, New Anti-Inflammatory Bromophenols from the Red Marine Alga *Vidalia obtusiloba*. *Experientia* 47, 851-853. [D. F. Wiemer, D. D. Idler and W. Fenical*]
204. Defensive Properties of Secondary Metabolites from the Caribbean Gorgonian Coral *Erythropodium caribaeorum*. *Mar. Ecol. Prog. Ser.* 75, 1-8. [W. Fenical and J. R. Pawlik]
205. Structure and Synthesis of a New Signal Butanolide from a Marine Actinomycete. *Tetrahedron Lett.* 32(48), 7001-4. [C. Pathirana, R. Dwight, P. R. Jensen, W. Fenical*, A. Delgado, L. S. Brinen and J. Clardy*]
206. Lophotoxins: Irreversible Active-Site-Directed Inhibitors of Nicotinic Acetylcholine Receptors. *Drug Devel. Res.* 24, 297-312. [S. N. Abramson, W. Fenical and P. Taylor]
207. Piccolamine: An Unusual N,N-Dimethylaminomethyl Furanosesquiterpene, and Related Terpenoids, from the Gorgonian *Leptogorgia piccola*. *Nouv. J. Chim.* 15, 959-961. [V. Roussis, W. Fenical, J.-M. Kornprobst and J. Miralles]
208. Marine Bacteria Symbiosis, In: Proceedings of the International Marine Biotechnology Symposium. [W. Fenical, M. S. Gil-Turnes, D. Tapiolas, P. R. Jensen, and J. Trischman]
209. **1992** Stereochemistry of the Macrolactins. *J. Am. Chem. Soc.* 114, 671-677. [S. D. Rychnovsky*, D. J. Skalitzky, C. Pathirana, P. R. Jensen and W. Fenical*]
210. Rare Phenazine L-Quinovose Esters from a Marine Actinomycete. *J. Org. Chem.* 57(2), 740-742. [C. Pathirana, P. R. Jensen, R. Dwight and W. Fenical*]
211. Chemical Mediation of Seaweed-Herbivore Interactions, In: Proceedings of the Plant-Herbivore Interactions in the Benthos Conference, Eds. London, Oxford University Press, [M. E. Hay and W. Fenical]
212. Embryos of *Homarus americanus* are Protected by Epibiotic Bacteria. *Biol. Bull.* 182, 105-108. [M. S. Gil-Turnes and W. Fenical]
213. Crystal and Molecular Structure of Asperketal B. *Acta Crystallographica* C48, 891-984. [X. Ji, D. van der Helm, J. Shin and W. Fenical]
214. Antitumor-Antibiotics from Marine Microorganisms. Proceedings of the Third Pacific Asian Symposium on Natural Products of Biological Interest. pps 237-244. [W. Fenical, P. R. Jensen, K. Gustafson, C. Pathirana, J. A. Trischman and D. Tapiolas].
215. Chemical Defenses of Ascidians and Their Conspicuous Larvae: Adult Verses Larval Defenses Against Predation. *Ecological Monographs* 62(4), 547-568. [N. Lindquist, M. E. Hay and W. Fenical]
216. Chemical Defense of *Pterogorgia anceps*, A Caribbean Gorgonian Coral. *Mar. Ecol. Prog. Ser.* 87, 183-188. [J. R. Pawlik and W. Fenical].
217. Marinone and Debromomarinone, Antibiotic Sesquiterpenoid Naphthoquinones of a New Structure Class from a Marine Bacterium. *Tetrahedron Lett.* 33, 7663-7666. [C. Pathirana, P. R. Jensen and W. Fenical*].
218. Debromoisocymobarbatol; A New Chromanol Feeding Deterrent from the Marine Alga *Cymopolia barbata*. *Phytochemistry* 31, 4115-4118. [M. Park, W. Fenical and M. E. Hay]

219. **1993** New Cembradiene Diterpenoids from an Undescribed Caribbean Gorgonian of the Genus *Eunicea*. *Tetrahedron* 49, 515-524. [J. Shin and W. Fenical*, T.J. Stout and J.Clardy*]
220. Secondary Metabolites of the Caribbean Marine Alga *Sproochnus bolleanus*: A Basis for Herbivore Chemical Defense. *Phytochemistry* 32, 71-75. [Y-C. Shen, P. I. Tsai, W. Fenical and M. E. Hay]
221. Pectinoacetals A-C: Novel Sterol Hemiacetals from the Western Australian Gorgonian *Ctenocella pectinata*. *Experientia* 49, 265-267. [V. Roussis and W. Fenical]
222. Local and Geographic Variation in the Defensive Chemistry of a West Indian Gorgonian (*Briareum asbestinum*). *Mar. Ecol. Prog. Ser.* 93, 165-173. [C. D. Harvell, W. Fenical, V. Roussis, J. L. Ruesink, C. G. Griggs and C. H. Greene]
223. Marine Microorganisms: A New Biomedical Resource. [W. Fenical and P. R. Jensen] in: *Marine Biotechnology, Vol. I, Pharmaceutical and Bioactive Natural Products*, D. Attaway and O. Zaborsky eds, Plenum Press: New York, pp. 419-456.
224. Erythrodiene, A New Spirobicyclic Sesquiterpene of a Rare Skeletal Class from the Caribbean Gorgonian Coral *Erythropodium caribaeorum*. *Tetrahedron Lett.* 34, 3371-3372. [C. Pathirana, W. Fenical*, T. J. Stout and J. Clardy*]
225. Marine Bacteria: Developing A New Chemical Resource. *Chem. Reviews* 93, 1673-1683. [W. Fenical]
226. Phospholipase A₂ Inhibitors from Marine Algae. *Hydrobiologia* 260/261, 521-529. [A. M. S. Mayer, V. J. Paul, W. Fenical, J. S. Norris, M. S. deCarvalho and R. S. Jacobs,]
227. Secondary Metabolite Chemistry of the Australian Brown Alga *Encyothalia cliftonii*: Evidence for Herbivore Chemical Defence. *Phytochemistry* 34(1), 107-111. [V. Roussis, R. L. King, and W. Fenical*]
228. Eunicenones A and B; Diterpenoid Cyclohexanones of a Rare Skeletal Class from a Caribbean Gorgonian of the Genus *Eunicea*. *Tetrahedron* 49 (41), 9277-9284. [J. Shin and W. Fenical*]
229. Marine Bacteria as a New Chemotherapeutic Resource., In: *Proceedings of the 3 rd. International Conference on the Biotechnology of Microbial Products: Novel Pharmacological and Agrobiological Activities. Developments in Industrial Microbiology Series, Vol. 33, pages 13-26, Society of Industrial Microbiology, Annandale, VA., V. P. Gullo, J. C. Hunter-Cevera, R. Cooper and R. K. Johnson, Jr. eds. [William Fenical, Paul R. Jensen, Kirk Gustafson, Sofia Gil-Turnes and Charles Pathirana]*
230. **1994** Isolation of the Chlorophyll-Related Pigment Isochlorin-e₄ from the Tropical Red Alga *Dasya pedicellata*. *Phytochemistry* 36(2), 361-364. [W. P. Frankmoelle and W. Fenical*]
231. Salinamides A and B: Anti-Inflammatory Depsipeptides from a Marine Streptomyces. *J. Am. Chem. Soc.* 116, 757-758. [J. A. Trischman, D. M. Tapiolas, P. R. Jensen, R. Dwight, T. C. McKee, C. M. Ireland, T. J. Stout and J. Clardy.
232. Halobacillin, A Cytotoxic Cyclic Acylpeptide of the Iturin Class Produced by a Marine *Bacillus*. *Tetrahedron Lett.* 35, 5571-5574. [J. A. Trischman, P. R. Jensen, and W. Fenical*]

233. Strategies for the Discovery of Secondary Metabolites from Marine Bacteria: Ecological Considerations. *Ann. Rev. Microbiol.* 48, 559-584. [P. R. Jensen and W. Fenical]
234. Chemical Control of Bacterial Epibiosis on Ascidians. *Mar. Ecol. Prog. Ser.* 110, 45-57. [M. Wahl, P. R. Jensen and W. Fenical]
235. Synergisms in Plant Defenses Against Herbivores: Interactions of Chemical Defenses, Structural Defenses and Plant Quality. *Ecology* 75(6), 1714-1726. [M. E. Hay, Q. E. Kappel and W. Fenical]
236. **1995** Distribution, density, and sequestration of host chemical defenses by the specialist nudibranch *Tritonia hamnerorum* found at high densities on the sea fan *Gorgonia ventalina*. *Mar. Ecol. Prog. Ser.* 119, 177-189. [G. Cronin, M. E. Hay, W. Fenical, N. Lindquist]
237. Effects of Storage and Extraction Procedures on Yields of Lipophilic Metabolites from the Brown Seaweeds *Dictyota ciliolata* and *Dictyota menstrualis*. *Mar. Ecol. Prog. Ser.* 119, 265-273. [G. Cronin, N. Lindquist, M. E. Hay, W. Fenical]
238. Antibacterial Diterpenoids from an Undescribed Soft-Coral of the Genus *Xenia*. *Nat. Prod. Lett.* 6, 49-55. [H. C. Vervoort and W. Fenical*]
239. Non-steroidal Modulators of Human Progesterone Receptor from the Marine Alga *Cymopolia barbata*. *Molecular Pharmacology*, 47, 630 - 635. [C. Pathirana, R. B. Stein, T. S. Berger, W. Fenical, T. Ianiro, D. E. Mais, A. Torres and M. E. Goldman]
240. The Relative Abundance and Seawater Requirements of Gram-Positive Bacteria in Near-Shore Tropical Marine Samples. *Microb. Ecol.*, 29, 249 - 257. [P. R. Jensen and W. Fenical]
241. Elijopyrones A-D: New Alpha-Pyrones from a Marine Actinomycete. *Nat. Prod. Lett.*, 6, 303-308. [S. G. Toske, P. R. Jensen, C. A. Kauffman and W. Fenical*]
242. Progress in the Chemistry of Organic Natural Products. Volume 62. *Fortschritte der Chemie Organischer Naturstoffe*. (Book Review) *J. Am. Chem. Soc.* 117(2), 839. [W. Fenical]
243. Cyclodidemnamide: A New Cyclic Heptapeptide from the Marine Ascidian *Didemnum molle*. *Tetrahedron Lett.* 36, 8355 - 8358. [S. G. Toske and W. Fenical].
244. Defenses of Caribbean Sponges Against Predatory Reef Fish I. Chemical Deterrence. *Mar. Ecol. Prog. Ser.* 127, 183-194. [J. R. Pawlik, B. Chanas, R. J. Toonen and W. Fenical]
245. **1996** Differentiation of HMBC Two- and Three-Bond Correlations: A Method to Simplify the Structure Determination of Natural Products. *Tetrahedron Lett.* 37, 363-366. [M. Koeck, B. Reif, W. Fenical and C. Griesinger]
246. Labiatamides A, B, and other Eunicellan Diterpenoids from the Senegalese Gorgonian *Eunicella labiata*. *Tetrahedron* 52, 2735-2742. [V. Roussis, W. Fenical*, C. Vagias, J.-M. Kornprobst, and J. Miralles]
247. Isolation of Microbial Antibiotics from a Marine Ascidian of the Genus *Didemnum*. *J. Org. Chem.* 61, 1543-1546. [H. Kang, P. Jensen, and W. Fenical*]

248. ADEQUATE, a New Set of Experiments to Determine the Constitution of Small Molecules at Natural Abundance. *J. Mag. Reson. Series A* 118, 282-285. [B. Reif, M. Koeck, R. Kerssebaum, H. Kang, W. Fenical and C. Griesinger]
249. Lagunapyrones A-C: Cytotoxic Acetogenins of a New Skeletal Class from a Marine Sediment Bacterium. *Tetrahedron Lett.* 37,1327-1330. [T. Lindel, P. R. Jensen and W. Fenical*]
250. Volutamides A-E, Halogenated Alkaloids with Antifeedant Properties from the Atlantic Bryozoan *Amathia convoluta*. *Tetrahedron* 52(15), 5371-5380. [A. Montanari, W. Fenical, N. Lindquist, A. Lee, and J. Clardy]
251. Marine Biodiversity and the Medicine Cabinet, The Status of New Drugs from Marine Organisms. *Oceanography* 9(1), 23-27. [W. Fenical]
252. Chemical Ecology and Marine Biodiversity: Insights and Products from the Sea. *Oceanography* 9(1), 10-20. [M. E. Hay and W. Fenical]
253. Antimicrobial Activity of Extracts of Caribbean Gorgonian Corals. *Marine Biol.* 125, 411-419. [P. R. Jensen, C. D. Harvell, K. Wirtz, W. Fenical]
254. Polycarpine Dihydrochloride: A Cytotoxic Dimeric Disulfide Alkaloid from the Indian Ocean Ascidian *Polycarpa clavata*. *Tetrahedron Lett.* 37(14), 2369-2372. [H. Kang and W. Fenical*]
255. Acutilols, Potent Herbivore Feeding Deterrents from the Tropical Brown Alga, *Dictyota acutiloba*. *Phytochemistry* 43(1), 71-73. [I. Hardt, W. Fenical*, G. Cronin and M. E. Hay]
256. High Recovery of Culturable Bacteria from the Surfaces of Marine Algae. *Marine Biol.* 126, 1-7. [P. R. Jensen, C. Kauffman and W. Fenical].
257. An Unexpected Spirodiketone obtained during Seco-isopimarene Cyclization. *Nat. Prod. Lett.* 8, 311-315. [A. C. Pinto, R. de A. Epifanio, W. Frankmoelle and W. Fenical]
258. New Isoeudistomin Class Dihydro- β -carbolines from an Undescribed Ascidian of the genus *Eudistoma*. *Nat. Prod. Lett.* 9, 7-12. [H. Kang and W. Fenical]
259. Marine Bacterial Diversity as a Resource for Novel Microbial Products. *J. Ind. Microbiol.* 17, 346-351. [P. R. Jensen and W. Fenical].
260. Chemical Defenses of the Caribbean Sponge *Agelas clathrodes*. *J. Exp. Mar. Biol. Ecol.* 208, 185-196. [B. Chanas, J. R. Pawlik, T. Lindel and W. Fenical]
261. **1997** Are Tropical Herbivores More Resistant than Temperate Herbivores to Seaweed Chemical Defenses? Diterpenoid Metabolites from *Dictyota acutiloba* as Feeding Deterrents for Tropical Verses Temperate Fishes and Urchins. *J. Chem. Ecol.* 23, 289-302. [G. Cronin, V. J. Paul, M. E. Hay and W. Fenical]
262. Zoamides A-D: New Marine Zoanthoxanthin Class Alkaloids from an Encrusting Philippine *Parazoanthus* sp. *Tetrahedron Lett.* 38, 717-720. [M. D'Ambrosio, V. Roussis and W. Fenical]*
263. Didemnimides A-D: Novel, Predator Deterrent Alkaloids from the Caribbean Mangrove Ascidian *Didemnum conchyliatum*. *J. Org. Chem.* 62, 1486-1490. [H. C. Vervoort, S. E. Richards-Gross, W. Fenical*, A. Y. Lee and J. Clardy*]
264. Aplidiamine, a Unique Zwitterionic Benzyl Hydroxyadenine from the Western Australian Marine Ascidian *Aplidiopsis* sp. *Tetrahedron Lett.* 38, 941-944. [H. Kang and W. Fenical*]

265. Bahamamide, An Unusual Cyclic Bis-amide Produced by an Undescribed Marine Bacterium. *Nat. Prod. Lett.* 10, 75-78. [M. Boehler, P. R. Jensen and W. Fenical]
266. Ningalins A-D: Novel Aromatic Alkaloids from a Western Australian Ascidian of the Genus *Didemnum*. *J. Org. Chem.* 62(10), 3254-3262. [H. Kang and W. Fenical*]
267. Sea Grant Seeks New Drugs from the Sea. *California Agriculture* 51(4), 45-49. [W. Fenical].
268. Alternatamides A-D: New Bromotryptamine Peptide Antibiotics from the Atlantic Marine Bryozoan *Amathia alternata*. *J. Nat. Prod.* 60(7), 697-699. [N-K. Lee, W. Fenical* and N. Lindquist]
269. New Pharmaceuticals from Marine Organisms, *Trends in Biotechnology*, 15(9) 339-341. Elsevier Press, Cambridge, UK, [W. Fenical].
270. Eleutherobin, A New Cytotoxin that Mimics Paclitaxel (Taxol) by Stabilizing Microtubules. *J. Am. Chem. Soc.*, 119(37), 8744-8745. [T. Lindel, P. R. Jensen, W. Fenical*, B. H. Long, A. M. Casazza, J. Carboni and C. R. Fairchild]
271. Actinoflavoside, A Novel Flavanoid-Like Glycoside Produced by a Marine Bacterium of the Genus *Streptomyces*. *Tetrahedron Lett.* 38(29), 5065-5068. [Z.-D. Jiang, P. R. Jensen and W. Fenical*]
272. The Isolation of Novel Diterpenoids, Including a C40 *Bis*-Diterpenoid, from the Brazilian Plant *Vellozia magdalenae*. *Tetrahedron* 53, 2005-2012. [A. C. Pinto*, M. G. Pizzolatti, R. de A. Epifanio, W. Frankmölle and W. Fenical]
273. **1998** New Cytotoxic Sesquiterpenoid Nitrobenzoyl Esters from a Marine Isolate of the Fungus *Aspergillus versicolor*. *Tetrahedron* 54, 1715-1724. [G. N. Belofsky, P. R. Jensen, M. K. Renner, and W. Fenical*]
274. Evidence that a New Antibiotic Flavone Glycoside Chemically Defends the Seagrass *Thalassia testudinum* Against Zoosporic Fungi. *Appl. Env. Microbiol.* 64(4), 1490-1496. [P. Jensen, K. Jenkins, D. Porter and W. Fenical].
275. Guaymasol and Epiguaymasol: Aromatic triols from a Deep-Sea *Bacillus* isolate. *Nat. Prod. Lett.* 11, 279-284. [J. A. Trischman, P. R. Jensen and W. Fenical*]
276. Mactanamide, a New Fungistatic Diketopiperazine Produced by a Marine *Aspergillus* sp. *Nat. Prod. Lett.* 12, 55-60. [P. Lorenz, P. R. Jensen and W. Fenical].
277. Pharmacological Characterization of the Pseudopterins: Novel Anti-Inflammatory Natural Products Isolated from the Caribbean Soft Coral *Pseudopterogorgia elisabethae*. *Life Sciences Pharmacology Letters*, 62(26), 401-407. [A. M. S. Mayer, P. B. Jacobson, W. Fenical, R. S. Jacobs and K. B. Glaser].
278. Natural Products from the Gorgonian *Lophogorgia punicea* : Isolation and Structure Elucidation of an Unusual 17-Hydroxy Sterol. *J. Brazil. Chem. Soc.* 9(2), 187-195. [Lenize F. Maia, Angelo C. Pinto, Rosângela de A. Epifanio, Ingo Hardt, and William Fenical.]
279. Chemical Defense of the Caribbean Ascidian *Didemnum conchyliatum*. *Mar. Ecol. Prog. Series.* 164, 221-228. [H. C. Vervoort, J. R. Pawlik and W. Fenical]

280. Exumolides A and B: Antimicrobial Cyclic Depsipeptides Produced by a Marine Fungus of the Genus *Scytalidium*. *Tetrahedron Lett.* 39, 2463-2466. [K. M. Jenkins, M. K. Renner, P. R. Jensen and W. Fenical]
281. Marine Microbial Chemical Ecology, Bioassays with Marine Microorganisms: Volume II in *Methods in Chemical Ecology*, K. F. Haynes and J. Millar Eds. [K. M. Jenkins, P. R. Jensen and W. Fenical] pps. 1-38.
282. Eleutherobin, A Novel Cytotoxic Agent that Induces Tubulin Polymerization similar to Paclitaxel (Taxol). *Cancer Research* 58, 1111-1115. [B. H. Long, J. M. Carboni, A. J. Wasserman, L. A. Cornell, A. M. Casazza, P. R. Jensen, W. Fenical and C. R. Fairchild]
283. Chemical Defenses of Freshwater Macrophytes Against Crayfish Herbivory. *J. Chem. Ecol.* 24 (10), 1639-1658. [R. C. Bolser, M. E. Hay, N. Lindquist, W. Fenical and D. M. Wilson].
284. Aspergillamides A and B: Modified Cytotoxic Tripeptides Produced by a Marine Fungus of the Genus *Aspergillus*. *Tetrahedron* 54, 13459-13466. [S. G. Toske, P. R. Jensen, C. A. Kauffman and W. Fenical]
285. Neomangicols: Structures and Absolute Stereochemistries of Unprecedented Halogenated Sesterterpenes from a Marine Fungus of the Genus *Fusarium*. *J. Org. Chem.* 63, 8346-8354. [M. K. Renner, Paul R. Jensen, and W. Fenical*]
286. Solanapyrones E-G, Antialgal Metabolites Produced by a Marine Fungus. *Phytochemistry* 49, 2299-2304. [K. M. Jenkins, S. G. Toske, P. R. Jensen and W. Fenical*]
287. **1999** A Cyclized Didemnimide Alkaloid from the Caribbean Ascidian *Didemnum conchyliatum*. *J. Nat. Prod.* 62, 389-391. [H. C. Vervoort, W. Fenical and P. A. Keifer]
288. Sansalvamide: A New Cytotoxic Cyclic Depsipeptide Produced by a Marine Fungus of the Genus *Fusarium*. *Tetrahedron Letters* 40, 2913-2916. [G. N. Belofsky, P. R. Jensen, and W. Fenical]
289. Arenaric Acid, a New Pentacyclic Polyether Produced by a Marine Bacterium (Actinomycetales). *J. Nat. Prod.* 62, 605-607. [X. C. Cheng, P. R. Jensen and W. Fenical]
290. Luisols A and B, New Aromatic Tetraols Produced by an Estuarine Marine Bacterium of the Genus *Streptomyces* (Actinomycetales). *J. Nat. Prod.* 62, 608-610. [X. C. Cheng, P. R. Jensen and W. Fenical]
291. Salinamides, Antiinflammatory Depsipeptides from a Marine Streptomycete. *J. Org. Chem.* 64, 1145-1150. [B. S. Moore, J. A. Trischman, D. Seng, D. Kho, P. R. Jensen and W. Fenical]
292. Habenariol, A Freshwater Feeding Deterrent from the Aquatic Orchid *Habenaria repens* (Orchidaceae). *Phytochemistry* 50, 1333-1336. [D. M. Wilson, W. Fenical, M. Hay, N. Lindquist and R. Bolser]
293. New Cytotoxic Epidithiodioxopiperazines Related to verticillin A from a marine isolate of the Fungus *Penicillium*. *Nat. Prod. Lett.* 13, 213-222. [B-W. Son, P. R. Jensen, C. A. Kauffman, W. Fenical].
294. Mechanism of Inhibition of a Poxvirus Topoisomerase by the Marine Natural Product Sansalvamide A. *J. Molecular Pharm.* 55, 1049-1053. [Y. Hwang, D. Rowley, D. Rhodes, J. Gertch, W. Fenical and F. Bushman].

295. Lobophorins A and B, New Antiinflammatory Macrolides Produced by a Tropical Marine Bacterium. *Bioorg. & Med. Chem. Lett.* 9, 2003-2006. [Z.-D. Jiang, P. R. Jensen and W. Fenical].
296. Chemical defense of the Caribbean reef sponge *Axinella corrugata* against predatory fishes. *J. Chem. Ecol.* 25, 2811-2823. [D. M. Wilson, M. Puyana, W. Fenical and J. R. Pawlik].
297. New Feeding Deterrents, Including a Novel Sesquiterpenoid Heterogorgiolide, from the Brazilian Gorgonian *Heterogorgia uatumani* (Octocorallia, Gorgonacea). *J. Nat. Prod.* 62, 1022-1024. [L. F. Maia, R. de A. Epifanio, T. Eve and W. Fenical].
298. Thraustochytriosides A-C, New Glycosphingolipids from a Unique Marine Protist, *Thraustochytrium globosum*. *Tetrahedron Lett.* 40, 7637-7640. [K. M. Jenkins, P. R. Jensen and W. Fenical]
299. Antimicrobial Activity of Caribbean Sponge Extracts. *Aquatic Microbial Ecology* 19, 279-284. [R. W. Newbold, P. R. Jensen, W. Fenical, and J. R. Pawlik]
300. Cyclomarins A-C, New Anti-Inflammatory Cyclic Peptides Produced by a Marine Bacterium (*Streptomyces* sp.) *J. Amer. Chem. Soc.* 121, 11273-11276. [M. K. Renner, Y-C Shen, X-C Cheng, P. R. Jensen, W. Frankmoelle, C. A. Kauffman, W. Fenical, E. Lobkovsky and J. Clardy*]
301. **2000** Tamandarins A and B; New Cytotoxic Depsipeptides from a Brazilian Ascidian of the Family Didemnidae. *J. Org. Chem.* 65, 782-792. [H. Vervoort, R. de A. Epifanio and W. Fenical*]
302. Neomarinone, And New Cytotoxic Marinone Derivatives Produced by a Marine Filamentous Bacterium (Actinomycetales). *Tetrahedron Lett.* 41, 2073-2076. [I. H. Hardt, P. R. Jensen and W. Fenical*]
303. Oxepinamides A-C and Fumiquinazolines H-I: Bioactive Metabolites from a Marine Isolate of a Fungus of the Genus *Acremonium*. *Eur. J. Chem.* 6(8), 1355-1360. [G. N. Belofsky, M. Anguera, P. R. Jensen, W. Fenical and M. Köck].
304. Two Antifeedant Lignans from the Freshwater Macrophyte *Saururus cernuus*. *Phytochem.* 54, 281-287. [J. Kubanek, W. Fenical, M. E. Hay, P. J. Brown and N. Lindquist].
305. Mangicols, Structures and Biosynthesis of a New Class of Sesterterpene Polyols from a Marine Fungus of the Genus *Fusarium*. *J. Org. Chem.* 65(16), 4843-4852. [M. K. Renner, P. R. Jensen, W. Fenical*]
306. Marine microorganisms and drug discovery: Current status and future potential. In: *Drugs from the Sea*. Fusetani, N., ed.; Basel (Switzerland): Karger, pp 6-29. (158 p.) [P. R. Jensen and W. Fenical*].
307. New cytotoxic sterol glycosides from the octocoral *Carijoa (Telesto) riisei*. *J. Nat. Prod.* 63(10), 1427-1430. [L. F. Maia, R. de A. Epifanio and W. Fenical].
308. *N*-Methylsalsalvamide, a cytotoxic cyclic depsipeptide from a marine fungus of the genus *Fusarium*. *Phytochemistry* 55, 223-226. [M. Cueto, P. R. Jensen and W. Fenical].
309. Chemical defenses of the endemic Brazilian gorgonian *Lophogorgia violacea* Pallas (Octocorallia, Gorgonacea). *J. Braz. Chem. Soc.* 11(6), 584-591. [R. A. Epifanio, L. F. Maia and W. Fenical].
310. Triterpene glycosides defend the Caribbean reef sponge *Erylus formosus* from predatory fishes. *Mar. Ecol. Prog. Series* 207, 69-77. [J. Kubanek, J. R. Pawlik, T. Eve and W. Fenical].

311. **2001** Lignoid chemical defenses in the freshwater macrophyte *Saururus cernuus*. *Chemoecology* 11, 1-8. [J. Kubanek, M. E. Hay, P. J. Brown, N. Lindquist, and W. Fenical]
312. Pestalone, a new halogenated antibiotic produced by a marine fungus in response to bacterial challenge. *J. Nat. Prod.* 64, 1444-1446. [M. Cueto, P. R. Jensen, C. Kauffman, W. Fenical, E. Lobowsky and J. Clardy]
313. New Antifeedant triterpene Glycosides from the Caribbean Sponge *Erylus formosus*. *Nat. Prod. Lett.* 15(4), 275-285. [J. Kubanek, W. Fenical and J. R. Pawlik]
314. **2002** Aspergilloxide, A novel sesterterpene epoxide from a marine-derived fungus of the genus *Aspergillus*. *Organic Letters* 4(9), 1583-1858. [M. Cueto, P.R. Jensen, W. Fenical]
315. Multiple defensive roles for triterpene glycosides from two Caribbean sponges. *Oecologia* 131, 125-136. [J. Kubanek, K. E. Whalen, S. Engel, S. R. Kelly, T. P. Henkel, W. Fenical, and J. R. Pawlik]
316. Secondary metabolites from marine fungi, In: *Fungi in Marine Environments*, (ed. K. D. Hyde), Fungal Diversity Research Series 9, Fungal Diversity Press: Hong Kong, pp 293-315. [P. R. Jensen and W. Fenical]
317. Widespread and persistent populations of a major new marine actinomycete taxon in ocean sediments, *Appl. Envir. Microbiol.* 68(10), 5005-5011. [T. J. Mincer, P. R. Jensen, C. A. Kauffman, W. Fenical].
318. Thalassiolins A-C: New marine-derived inhibitors of HIV cDNA Integrase. *Bioorg Med. Chem.* 10, 3619-3625. [D. M. Rowley, W. Fenical]
319. Chemical ecology of marine microbial defense. *J. Chem. Ecol.* 28(10), 1971-1985. [S. Engel, P. R. Jensen and W. Fenical]
320. Marine microorganisms as a developing resource For drug discovery [W. Fenical, K. M. Sethna, G. K. Lloyd] *Pharmaceutical News* 9, 1-6 (2002).
321. **2003** Salinosporamide A: a highly cytotoxic proteasome inhibitor from a novel microbial Source, a marine bacterium of the new genus *Salinospora*. *Angew. Chem. Int. Ed.* 2003, 42(3), 355-357. [R. H. Felting, G. O. Buchanan, T. J. Mincer, C. A. Kauffman, P. R. Jensen and W. Fenical]
322. Scytalidamides A and B, new cytotoxic cyclic heptapeptides from a marine fungus of the genus *Scytalidium* *J. Org. Chem.*, 68 (23), 8767 -8773. [L.T. Tan, X. C. Cheng, P. R. Jensen, and W. Fenical]
323. Trichodermamides A and B, cytotoxic modified dipeptides from the marine-derived fungus *Trichoderma virens*. *J. Nat. Prod.* 66(3), 423-426. [E. Garo, P. R. Jensen, W. Fenical, E. Lobkovsky and J. Clardy]
324. Seaweed resistance to microbial attack: A targeted chemical defense against marine fungi. *Proc. Nat. Acad. Sci.* 100(12). 6916-6921. [J. Kubanek, P. R. Jensen, P. A. Keifer, M. C. Sullards, D. O. Collins, and W. Fenical]
325. Diazonamide A and a synthetic structural analogs: Disruptive effects on mitosis and cellular microtubules and analysis of their interactions with tubulin. *Mol. Pharmacol.* 63, 1273-1280. [Z. Cruz-Monserrate, H. C. Vervoort, R. Bai, D. J. Newman, S. B. Howell, G. Los, J. T. Mullaney, M. D. Williams, G. Pettit, W. Fenical and E. Hamel.]

326. Effects of Caribbean sponge extracts on bacterial attachment. *Aquat. Microb. Ecol.* 31, 175-182. [S. R. Kelly, E. Garo, P. R. Jensen, T. P. Henkel, W. Fenical and J. R. Pawlik]
327. Glactolipids rather than phlorotannins as herbivore-deterrents in the brown Seaweed *Fucus vesiculosus*. *Oecologia* 136, 107-114. [M. S. Deal, M. E. Hay, D. Wilson, W. Fenical]
328. Are there activated chemical defenses in sponges of the genus *Aplysina* from the Caribbean? *Mar. Ecol. Prog. Series* 246, 127-135. [M. Puyana, W. Fenical and J. R. Pawlik] *Mar. Ecol. Prog. Ser.*
329. Halovirs A-E, new antiviral agents from a marine-derived fungus of the genus *Scytalidium*. *Bioorg. Med. Chem.* 11, 4263-4274. [D. C. Rowley, S. Kelly, C. A. Kauffman, P. R. Jensen, and W. Fenical]
330. New neoverrucosane diterpenoids produced by the marine gliding bacterium *Saprospira grandis*. *J. Nat. Prod.* 66, 818-822. [A. Spyere, D. C. Rowley, P. R. Jensen and W. Fenical]
331. A cyclic carbonate and related polyketides from a marine-derived fungus of the genus *Phoma*. *Phytochemistry* 64, 571-574. [Z. Liu, P. R. Jensen and W. Fenical]
332. The true potential of the marine microorganism. *Current Drug Discovery* (2003) 17-19 [Jensen, P.R., Mincer, T.J., Fenical, W]
332. Scytlidamides A and B, new cytotoxic cyclic heptapeptides from a marine fungus of the genus *Scytalidium*. *J. Org. Chem.* 68(23), 8767-8773. [L. T. Tan, X. C. Cheng, P. R. Jensen and W. Fenical]
333. New anticancer drugs from cultured and collected marine organisms. *Pharmaceutical Biology* 41, 6-14. [W. Fenical, P. R. Jensen, C. Kauffman, S. L. Mayhead, D. J. Faulkner, C. Sincich, M. Rama Rao, E. J. Kantorowski, L. M. West, W. K. Strangman Y. Shimizu, B. Li, S. Thammann, K. Drainville, M. T. Davies-Coleman, R. A. Kramer, C. R. Fairchild, W. C. Rose, R. C. Wild, G. D. Vite, R. W. Peterson]
334. **2004** Marine microorganisms and natural product drug discovery. *Current Drug Discovery*. [P. R. Jensen and W. Fenical] Jan 1-3.
335. Capisterones A and B from the tropical green alga *Penicillus capitatus*: unexpected anti-fungal defenses targeting the marine pathogen *Lindra thalassiae*. [M. P. Puglisi, L. T. Tan, P. R. Jensen, and W. Fenical] *Tetrahedron* 60:7035-7039.
336. Synthesis and structure-activity relationships of the halovirs, antiviral natural products from a marine-derived fungus. *Bioorg. Med. Chem.* 12, 4929-4936. [D. C. Rowley, S. Kelly, P. Jensen and W. Fenical]
337. Isolation and structure assignments of the rostratins A-D, cytotoxic disulfides produced by the marine-derived fungus *Exserohilum rostratum* (Dreschler). **J. Nat. Prod.** 2004, 67 (8), 1374-1382. **[R. X. Tan, P. R. Jensen, P. G. Williams and W. Fenical]**
338. Phylogenetic analyses and diterpenoid production by marine bacteria of the genus *Saprospira*. *Current Microbiology* 2004, 49, 300-307. [T. J. Mincer, A. Spyere, P. R. Jensen and W. Fenical]
339. Crystal structure of the microbial antibiotic A80915C. *Acta Cryst.* (2004) E60, 01627-01629. [I. E. Soria-Mercado, P. R. Jensen, W. Fenical, S. Kassel and J. Golen]

340. Ambiguous role of phlorotannins as chemical defenses in the brown alga *Fucus vesiculosus*. *Marine Ecology: Progress Series*, 2004, 277, 79-93. [J. Kubanek, S. E. Lester, W. Fenical, M. E. Hay]
341. Fluorescent profiling of natural product producers. *J. Am. Chem. Soc.* 2004, 127(26) 9320-9321. [J. S. Sandler, W. Fenical, B. M. Gullledge, A. R. Chamberlin, J. J. La Clair]
342. **2005** Marine actinomycete diversity and natural product discovery. *Antonie Van Leeuwenhoek*, 2005, 87, 43-48. [P. R. Jensen, T. J. Mincer, P. G. Williams, W. Fenical]
343. Structure-activity relationship studies of Salinosporamide A (NPI-0052), a novel marine derived proteasome inhibitor. *J. Med. Chem.* 2005, 48, 3684-3687. [V. R. Macherla, S. S. Mitchell, R. R. Manam, K. A. Reed, T-H. Chao, B. Nicholson, G. Deyanat-Yazdi, B. Mai, P. R. Jensen, W. Fenical, S. T. C. Neuteboom, K. S. Lam, M. A. Palladino, B. C. M. Potts]
344. Effects of Caribbean sponge extracts on bacterial surface colonization. *Aquatic Microbial Ecol.* 40:191-203 [S.R. Kelly, P. R. Jensen, T. P. Henkel, W. Fenical, and J. R. Pawlik.
345. New natural product diversity from marine actinomycetes. [P. R. Jensen and W. Fenical], In: *Natural Products, Drug Discovery and Preventive Medicine*. L. Zhang and A. L. Demain Eds. Humana Press, 2004.
346. Antibiotic terpenoid chloro-dihydroquinones from a new marine actinomycete (Streptomycetacea). *J. Nat. Prod.* [I. E. Soria-Mercado, Alejandra Prieto-Davo, P. R. Jensen, and W. Fenical]
347. New cytotoxic salinosporamides from the marine actinomycete *Salinispora tropica*. *J. Org. Chem.* 70(16), 6196-6203. [P. G. Williams, G. O. Buchanan, R. H. Felting, C. A. Kauffman, P. R. Jensen, W. Fenical]
348. *Salinispora* gen nov., a home for obligate marine actinomycetes belonging to the family Micromonosporaceae. *Sys. Appl. Microbiol.* 2005, 55, 1759-1776. [L. Maldonado, W. Fenical, M. Goodfellow, P. R. Jensen, A. C. Ward]
349. Libertellenones A-D: Induction of cytotoxic diterpenoid biosynthesis by marine microbial competition. *Bioorg. Med. Chem.* 2005, 13(17), 5267-5273. [D. C. Oh, P. R. Jensen, C. A. Kauffman, and W. Fenical]
350. Culturable marine actinomycete diversity from tropical Pacific Ocean sediments. *Environ. Microbiol.* 2005, 7, 1039-48. [Jensen, P. R., Gontang, E., Mafnas, C, Mincer, T. J. Fenical, W.]
351. **2006** Sporolides A and B: structurally unprecedented halogenated macrolides from the marine actinomycete *Salinispora tropica*. *Org. Lett.* 2006, 7(13), 2731-2734. [G.O. Buchanan, P.G. Williams, R. H. Felting, C. A. Kauffman, P. R. Jensen, W. Fenical]
352. Culture dependent and culture-independent diversity within the obligate marine actinomycete *Salinispora*. *Appl. Environ. Microbiol.* 2006, 71, 7019-28. [T. J. Mincer, W. Fenical, P. R. Jensen]
353. A central strategy for converting natural products into fluorescent probes. *ChemBioChem.* 2006, 7, 409-416. [J. J. La Clair, M. Alexander, M. D. Burkart, M. S. Leonard, P. Poortonovo, B. Liang, X. Ding, M. M. Joullie, B. M Gullledge, J. B. Aggen, A. R. Chamberlin, J. Sandler, W. Fenical, J. Cui, S. J. Gharpure, A. Polosaukhin, H-R. Zhang, P. A. Andrews, A. D. Richardson, M. K. Harper, C. M. Ireland, B. G. Vong, T. P. Brady and E. A. Theodorakis]

354. Cyanosporasides A and B, chloro- and cyano-cyclopenta[a]indene glycosides from the marine actinomycete *Salinispora* "pacifica." Org. Lett. 2006, 8(6), 1021-24. [D.-C. Oh, P. G. Williams, C. A. Kauffman, P. R. Jensen, and W. Fenical]
355. Marinomycins A-D, antitumor-antibiotics of a new structure class from a marine actinomycete of the recently discovered genus "*Marinispora*". J. Am. Chem. Soc. 2006, 128(5), 1622-1632. [H. C. Kwon, C. A. Kauffman, P. R. Jensen, W. Fenical]
356. Actinofuranones A and B, polyketides from a marine-derived bacterium related to the genus *Streptomyces* (Actinomycetales) J. Nat. Prod. 2006, 69(3), 425-428. [J.Y. Cho, H. C. Kwon, P. G. Williams, C. A. Kauffman, P. R. Jensen and W. Fenical]
357. Azamerone, a terpenoid phthalazinone from a marine-derived bacterium related to the genus *Streptomyces* (Actinomycetales). Org. Lett. 2006, 8(12) 2471-2474. [J.-Y. Cho, H.-C. Kwon, P. G. Williams, P. R. Jensen, W. Fenical].
358. Tropolactones A-D, four new meroterpenoids from a marine-derived fungus of the genus *Aspergillus*. Phytochem. 67(16), 1826-1831 [M. Cueto, J. B. MacMillan, P. R. Jensen and W. Fenical]
359. Marine pharmaceuticals: past, present and future, Oceanography 19(2) 110-119. [W. Fenical].
360. Antimicrobial activities of extracts from tropical Atlantic marine algae and seagrasses against marine pathogens and saprophytes. Mar. Biol. 149, 991-1002. [S. Engel, M. P. Puglisi, P.R. Jensen, and W. Fenical]
361. Cytotoxic macrolides from a new species of the deep-water marine sponge *Leiodermatium*. J. Org. Chem. 2006, 71(22) 8684-8692. [J. S. Sandler, P. L. Colin, M. Kelly, W. Fenical]
362. **2007.** Antimicrobial activities of extracts from Indo-Pacific marine plants against marine pathogens and saprophytes. Mar. Biol. 150, 531-540 [M. P. Puglisi, S. Engel, P. R. Jensen, and W. Fenical]
363. Piperazimycins: cytotoxic hexadepsipeptides from a marine-derived bacterium of the Genus *Streptomyces*. J. Org. Chem. 2007, 72(2), 323-330. [E. D. Miller, C. A. Kauffman, P. R. Jensen and W. Fenical]
364. New bohemamines from a marine-derived *Streptomyces* sp. J. Nat. Prod. 2007, 69, 1626-1628. [T. S. Bugni, M. Woolery, C. A. Kauffman, P. R. Jensen, W. Fenical]
365. Species-specific secondary metabolite production in marine actinomycetes of the genus *Salinispora*. Appl. Env. Micro. 73(4), 1146-1152 [P. R. Jensen, P. G. Williams, D.-C. Oh, L. Zeigler, and W. Fenical].
366. Culturable marine actinomycete diversity from tropical Pacific Ocean sediments. Environ. Microbiol. 7:1039-1048. [Jensen, P.R., Gontang, E., Mafnas, C., Mincer, T.J., Fenical, W.]
367. Marine actinomycete bacteria, developing a new resource for drug discovery. Nature Chem. Biol. 2, 666-673. [P. R. Jensen and W. Fenical] PMID: PMC2391291
368. Zygosporamide, a cytotoxic cyclic depsipeptide from the marine-derived fungus *Zygosporium masonii*. Tetrahedron Lett. 2007, 47, 8625-8628. [D.-C. Oh, P. R. Jensen, and W. Fenical]
369. Daryamides A-C, weakly cytotoxic polyketides from a marine-derived actinomycete of the genus *Streptomyces*, strain CNQ-085. J. Nat. Prod. 2007, 69(12) 1756-1759. [R. N. Asolkar, P. R. Jensen, C. A. Kauffman, and W. Fenical]

370. Phylogenetic diversity of gram-positive bacteria cultured from marine sediments. *Appl. Env. Micro.* 2007. 73(10), 3272-3282. [E. Gontang, W. Fenical and P.R. Jensen]
371. Anti-predatory secosterols from the octocoral *Pseudopterogorgia americana*. *Mar. Ecol. Prog. Ser.* 329, 307-310. [R.A. Epifanio, L. F. Maia, J. R. Pawlik, W. Fenical]
372. Saliniketals A and B: novel bicyclic polyketides from the marine actinomycete *Salinispora arenicola*. *J. Nat. Prod.* 70(1), 83-87. [P. G. Williams, R. N. Asolkar, P. R. Jensen, W. Fenical]
373. Microsporins A and B: new histone deacetylase inhibitors from the marine-derived fungus *Microsporium cf. gypseum* and the solid-phase synthesis of microsporin A. *Tetrahedron.* 63, 6535-6541. [W-X. Gu, M. Cueto, P. R. Jensen, W. Fenical, R. B. Silverman]
374. Thalassospiramides A and B, immunosuppressive peptides from the marine bacterium *Thalassospira* sp. *Org. Lett.* 9(8), 1525-1528. [D.-C. Oh, W. K. Strangman, C. A. Kauffman, P. R. Jensen, and W. Fenical]
375. Genome sequencing reveals complex secondary metabolome in the marine actinomycete *Salinispora tropica*. *Proc. Natl. Acad. Sci.* 2007. 104(25), 10376. [D. W. Udvary, L. Zeigler, R. N. Asolkar, V. Singan, A. Lapidus, W. Fenical, P. R. Jensen, B. S. Moore]
376. Secondary metabolite chemistry of the marine-derived fungus *Massarina* sp., strain CNT-016. *Phytochem.* 68(8), 1212-1218. [M. A. Abdel-Wahab, R. N. Asolkar, P. Inderbitzin, and W. Fenical]
377. Induced production of the emericellamides A and B, from the marine-derived fungus *Emericella* sp. in competing co-culture. *J. Nat. Prod.* 2007. 70(4), 515-520. [D.-C. Oh, C. A. Kauffman, P. R. Jensen, and W. Fenical]
378. Arenicolides A-C, 26-membered ring macrolides from the marine actinomycete *Salinispora arenicola*. *J. Org. Chem.* 2007. 72, 5025-5034 [P. G. Williams, E. D. Miller, R. N. Asolkar, P. R. Jensen and W. Fenical]
379. Isolation of lucentamycins A-D, cytotoxic peptides from the marine-derived actinomycete *Nocardioopsis lucentensis*. *J. Nat. Prod.* 70(8) 1321-1328. [J.-Y. Cho, P. G. Williams, H.-C. Kwon, P. R. Jensen and W. Fenical]
380. Marmycins A and B, cytotoxic pentacyclic C-glycosides from a marine sediment-derived actinomycete related to the genus *Streptomyces*. *J. Nat. Prod.* 70, 1406-1409 [G. D. A. Martin, L. T. Tan, R. Encarnacion Dimayuga, C. R. Fairchild, P. R. Jensen and W. Fenical]
381. **2008** The marinopyrroles, antibiotics of an unprecedented structure class from a marine *Streptomyces* sp. *Org. Lett.* 2008, 10(4), 629-631. [C. C. Hughes, A. Prieto-Davo, P. R. Jensen, and W. Fenical*]
382. Salinipyrones and Pacificanones, Mixed-Precursor Polyketides from the Marine Actinomycete *Salinispora pacifica*. *J. Nat. Prod.* 2008. 71, 570-575. [D-C. Oh, C. A. Kauffman, P. R. Jensen, W. Fenical]
383. Biosynthesis and structures of cyclomarins and cyclomazines, prenylated cyclic peptides of marine actinobacterial origin. *J. Am. Chem. Soc.*, 130(13), 4505-4511. [A. W. Schultz, D-C. Oh, J. R. Carney, R. T. Williamson, D. W. Udvary, P. R. Jensen, S. J. Gould, W. Fenical, and B. S. Moore]
384. Marine Actinomycetes: A New source of compounds against the human malaria parasite. *PLoS*

- One, 2008, 3(6) e2335. [J. Prudhomme¹, E. McDaniel, N. Ponts, S. Bertani, W. Fenical, P. R. Jensen, and K. Le Roch]
385. Actinomycete diversity in marine sediments. *Aquatic Micro. Ecol.* 2008. 52, 1-11. [A. Prieto-Davó, W. Fenical and P. R. Jensen*]
386. Engineered biosynthesis of antiprotealide and other unnatural salinosporamide proteasome inhibitors. 2008. *J. Am. Chem. Soc.* 30 (25), 7822–7823. [R. P. McGlinchey, M. Nett, A. S. Eustáquio, R. N. Asolkar, W. Fenical, and B. S. Moore]
387. An *N*-acyl homolog of mycothiol is produced in marine actinomycetes, G. L. Newton, P. R. Jensen, J. B. MacMillan, W. Fenical, R. C. Fahey. *Arch Microbiol.* 190:547–557.
388. Discovery and development of the anticancer agent salinosporamide A (NPI-0052). *Bioorg. Med. Chem.* 17, 2175–2180. [W. Fenical, P. R. Jensen, M. A. Palladino, K. S. Lam, G. K Lloyd, B. C. Potts]
- 2009**
389. Marinisporolides, new polyene-polyol macrolides from a marine actinomycete of new genus “*Marinispora*.” *J. Org. Chem.* 74 (2), 675-684. [H.-C. Kwon, C. A. Kauffman, P. R. Jensen, W. Fenical]
390. The ammosamides, structures of potent cytotoxins from a marine-derived *Streptomyces* sp. *Angew. Chemie, Int. Ed.* 48, 725-727. [C. C. Hughes, J. B. MacMillan, S. P. Gaudêncio, P. R. Jensen and W. Fenical]
391. Covalent modification of myosin by ammosamides A and B. *Angew. Chemie, Int. Ed.* 48, 728-732. [C. C. Hughes, J. B. MacMillan, S. P. Gaudêncio, W. Fenical, J. J. La Clair]
392. Potent inhibitors of pro-inflammatory cytokine production produced by a marine-derived bacterium. *J. Med. Chem.* 52, 2317–2327 [W. K. Strangman, H.-C. Kwon, D. Broide, P. R. Jensen and W. Fenical]
393. Marineosins A and B, cytotoxic spiroaminals from a marine-derived actinomycete. 2009. *Org. Lett.* 24, 5505-5508. [C. Boonlarppradab, C. A. Kauffman, P. R. Jensen, and W. Fenical]
- 2010**
394. Arenamides A-C, cytotoxic NF-κB inhibitors from the marine actinomycete *Salinispora arenicola*. *J. Nat. Prod.* 72, 396-402. [Asolkar, R. N.; Freel, K. C.; Jensen, P. R.; Fenical, W.; Kondratyuk, T. P., Park, E. J.; Pezzuto, J. M.]
395. Marinopyrrole A target elucidation by acyl dye transfer. *J. Amer. Chem. Soc.* 131, 12094–12096 [C. C. Hughes, Y.-L. Yang, W.-T. Liu, P. C. Dorrestein, J. J. La Clair, and W. Fenical.]
396. Lodopyridone, a structurally-unprecedented alkaloid from a marine actinomycete. *Org Lett.* [K. N. Maloney, J. B. MacMillan, C. A. Kauffman, P. R. Jensen, A. G. DiPasquale, A. L. Rheingold, W. Fenical*]
397. Arenimycin, an antibiotic effective against rifampin- and methicillin-resistant *Staphylococcus aureus* from the marine actinomycete *Salinispora arenicola*. *J. Antibiotics* 63, 37–39 [R. N. Asolkar, T. N. Kirkland, P. R. Jensen, and W. Fenical]
398. Total Synthesis of the ammosamides, *J. Amer. Chem. Soc.* 2010, 132, 2528–2529. [C. C. Hughes and W. Fenical] NIHMSID 177142, PubliD ja9106572

399. Penilumamide, a novel lumazine peptide isolated from the marine-derived Fungus, *Penicillium* sp. CNL-338. *Org. Biomol. Chem.*, **2010**, 8, 2158–2163. [S. W. Meyer, T. F. Mordhorst, C.-W. Lee, P. R. Jensen, W. Fenical and M. Köck]
400. Structures, Reactivities, and Antibiotic Properties of the Marinopyrroles A-F. *J. Org. Chem.* 75, 3240–3250. [C. C. Hughes, C. A. Kauffman, P. R. Jensen, W. Fenical]
401. Sequence-based secondary metabolite analysis in marine actinobacteria. *Appl. Env. Micro.* 76(8), 2487-2499. [E. A. Gontang, S. P. Gaudencio, W. Fenical, P. R. Jensen]
402. Saliniquinones A-F, Cytotoxic Anthraquinone- γ -Pyrone from the Marine Actinomycete *Salinispora arenicola*, *Aust. J. Chem.* 63, 929–934 [B. T. Murphy, T. Narendar, C. A. Kauffman, M. Woolery, P. R. Jensen, and W. Fenical]
403. Antibacterials from the Sea. *Chem. Eur. J.* 16, 12512 – 12525 [C. C. Hughes and W. Fenical]
404. Fijiolides A and B, Inhibitors of TNF- α -Induced NF κ B Activation, from a Marine-Derived Sediment Bacterium of the Genus *Nocardiopsis*. *J. Nat. Prod.* 73, 1080–1086 [S.-J. Nam, S. P. Gaudencio, C. A. Kauffman, P. R. Jensen, T. P. Kondratyuk, L. E. Marler, J. M. Pezzuto, and W. Fenical]
405. Hybrid isoprenoid secondary metabolite production in terrestrial and marine actinomycetes. *Current Opinion in Biotechnology* 2010, 21:794–800 [K. A. Gallagher, W. Fenical and P. R. Jensen.
406. Reappraisal of the natural product antibiotic etamycin for activity against methicillin resistant *Staphylococcus aureus*. *Journal of Antibiotics* 2010, 63, 219–224 [N. M. Haste, V. Perera, K. N. Maloney, D. N. Tran, P. R. Jensen, W. Fenical, V. Nizet, and M. E. Hensler]
407. Nitropyrrolins A-E, cytotoxic farnesyl- α -nitropyrroles from a marine-derived bacterium within the actinomycete family Streptomycetaceae. *J. Nat. Prod.* 73, 2047–2052 [H. C. Kwon, A. P. D. M. Espindola, J-S. Park, A. Prieto-Davó, M. Rose, P. R. Jensen and W. Fenical*]
- 2011**
408. Marizomib, a proteasome inhibitor for All Seasons: Preclinical Profile and a Framework for Clinical Trials. *Curr. Cancer Drug Targets* 11, 254-284. [B. C. Potts, M. X. Albitar, K. C. Anderson, S. Baritaki, B. Bonavida, J. Chandra, D. Chauhan, J. C. Cusack, Jr., W. Fenical, I. M. Ghobrial, M. Groll, P. R. Jensen, K. S. Lam, G. K. Lloyd, W. McBride, D. J. McConkey, C. Miller, S. T. C. Neuteboom, H. Ovaa, F. Pajonk, A. M. Roccaro, C. M. Sloss, M. A. Spear, E. Valashi, A. Younes, M. A. Palladino]
409. Discovery of salinosporamide K, a biosynthetic gene cluster from “*Salinispora pacifica*” gives insights into pathway evolution. *ChemBioChem.* 12, 61–64 [A. S. Eustáquio, S.-J. Nam, K. Penn, A. Lechner, W. Fenical, P. R. Jensen, and B. S. Moore]
410. Structure and biosynthesis of the marine streptomycete ansamycin A and its branched polyketide extender unit. *J. Amer. Chem. Soc.* (2011) 133, 1971–1977 [M. C. Wilson, S.-J. Nam, T. A. M. Gulder, C. A. Kauffman, P. R. Jensen, B. S. Moore, W. Fenical]
411. Marine microorganisms. *Encyclopedia of Life Sciences* 2010 [B. T. Murphy, K. N. Maloney and W. Fenical]
412. Bactericidal kinetics of marine-derived napyradiomycins against contemporary methicillin-resistant *Staphylococcus aureus*. *Mar. Drugs* 9, 680-689;

[N. M. Haste, L. Farnaes, V. R. Perera, W. Fenical, V. Nizet, M. E. Hensler]

413. Synthetic Pseudopterosin Analogues: A Novel Class of Antiinflammatory Drug Candidates. 2010. *Bioorg. Med. Chem.* **18**, 8324–8333 [F. Flachsmann, K. Schellhaas, C. E. Moya, R. S. Jacobs and W. Fenical]
414. Potential Chemopreventive Agents Based on the Structure of the Lead Compound 2-Bromo-1-hydroxyphenazine, Isolated from *Streptomyces* sp., Strain CNS284. *J. Med. Chem.* [M. Conda-Sheridan, L. Marler, E.-J. Park, T. P. Kondratyuk, K. Jermihov, A. D. Mesecar, J. M. Pezzuto, R. N. Asolkar, W. Fenical, and M. Cushman]
415. Screening natural products for inhibitors of quinone reductase-2 using ultrafiltration LC-MS. *Anal. Chem.* **83**, 1048–1052 [Y.-S. Choi, K. Jermihov, S.-J. Nam, M. Sturdy, K. Maloney, X. Qiu, L. R. Chadwick, M. Main, S.-N. Chen, A. D. Mesecar, N. R. Farnsworth, G. F. Pauli, W. Fenical, J. M. Pezzuto, and R. R. van Breemen]
416. Isolation and Characterization of Actinoramides A-C, Highly Modified Peptides from a Marine *Streptomyces* sp. *Tetrahedron* **67**, 6707-6712. [Sang-Jip Nam, Christopher A. Kauffman, Paul R. Jensen, and William Fenical]
417. Fijimycins A-C, three antibacterial etamycin-class depsipeptides from a marine-derived *Streptomyces* sp. *Bioorg. Med. Chem.* [P. Sun, K. N. Maloney, S.-J. Nam, N. M. Haste, R. Raju, W. Aalbersberg, P. R. Jensen, V. Nizet, M. E. Hensler, and W. Fenical]
418. Location-dependent secondary metabolite gene distributions in the marine actinomycete *Salinispora arenicola*. *App. Env. Microbiol.* 2011, **17**, 5916–5925 [A. Edlund, S. Loesgen, W. Fenical, P. R. Jensen]
419. Marine Bacteria. B. T. Murphy, P. R. Jensen and W. Fenical*. Pgs 153-190. *Handbook of Marine Natural Products*, E. Fattorusso, W. H. Gerwick/Tagliatalata-Scafati Eds., Springer Publishers.
420. Pharmacological Properties of the Marine Natural Product Marinopyrrole A Against Methicillin-Resistant *Staphylococcus aureus*. *Antimicrob. Agents & Chemo.* Vol. **55**, No. **7**, 3305-3312. [N. M. Haste, C. C. Hughes, D. N. Tran, W. Fenical, P. R. Jensen, V. Nizet and M. E. Hensler]
422. **2012.** Natural Product Peptidomimetics: A Mass Spectrometry-guided Genome Mining Approach. *Nature Chem. Biol.* **7**, 794-802. [R. D. Kersten, Y.-L. Yang, Y. Xu, P. Cimermanic, S.-J. Nam, W. Fenical, M. A. Fischbach, B. S. Moore, P. C. Dorrestein]
423. Multiplex de novo sequencing of peptide antibiotics. *J. Comp. Biol.* 2011, **18**, 1371-1381 [Mohimani, H., Liu, W.-T., Yang, Y.-L., Gaudêncio, S.P., Fenical, W., Dorrestein, P.C., Pevzner, P.A.]
424. Bacterial biosynthesis and maturation of the didemnin anticancer agents. *J. Am. Chem. Soc.* **134** (20): 8625–8632 [Y. Xu, R. D. Kersten, S. J. Nam, L. Lu, A. M. Al-Suwailem, H. Zheng, W. Fenical, P. C. Dorrestein, B. S. Moore, P.-Y. Qian]
425. The Deep Oceans as a Source for New Treatments for Cancer. In: *Chemiomolecular Science at the Frontier of Chemistry and Biology*”, Proceedings of the Uehara Memorial Foundation Conference 2011. Springer [W. Fenical*, J. J. La Clair, C. C. Hughes, P. R. Jensen, S. P. Gaudêncio and J. B. MacMillan]
426. *Mooreia alkaloidigena* gen. nov. sp. nov. and *Catalinimonas alkaloidigena* gen. nov., sp. nov., new alkaloid producing marine bacteria in the proposed families Mooreiaceae fam.

- nov. and Catalimonadaceae fam. nov. in the phylum "Bacteroidetes" and proposed reclassification of "*Porifericola rhodea*" (Yoon 2011) and "*Tunicatimonas pelagia*" (Yoon 2012) Int. J. System. Evol Micro. [E.-J. Choi, D. S. Beatty, L. A. Paul, W. Fenical, P. R. Jensen]
427. Novel Bacterial Metabolite Merochlorin A Demonstrates *in vitro* Activity Against Multi-Drug Resistant Methicillin-Resistant *Staphylococcus aureus*. PLoS ONE 2012 , 7 (1) e29439 [G. Sakoulas, S.-J. Nam, S. Loesgen, W. Fenical, P. R. Jensen, V. Nizet, M. Hensler]
428. Evolutionary and Genomic Microbiology Evolution of Secondary Metabolite Genes in Three Closely Related Marine Actinomycete Species. [K. C. Freel, S.-J. Nam, W. Fenical, and P. R. Jensen] Appl. Environ. Microbiol. 2011,77:7261-7270.
429. Genetic Complementation of *Salinispora tropica* CNB-440 with the Large Mechano-sensitive Channel Gene *mscL* Rescues Cells From Osmotic Downshock. Appl. Env. Micro. [S. A. Bucarey, K. Penn, L. Paul, W. Fenical, P.R. Jensen]
430. Suppression of Nitric Oxide Synthase by Thienodolin in Lipopolysaccharide-stimulated RAW 264.7 Murine Macrophage Cells. Nat. Prod. Comm. 2012 7(6), 789–794. [E.-J. Park, J. M. Pezzuto, K. H. Jang, S.-J. Nam, S. A. Bucarey, W. Fenical]
431. Activity of the thiopeptide antibiotic nosiheptide against contemporary strains of methicillin-resistant *Staphylococcus aureus*. J. Antibiotics. [M. Hensler, N. Haste, W. Thienphrapa, D. Tran, S. Loesgen, P. Sun, S.-J. Nam, P. Jensen, W. Fenical, G. Sakoulas, and V. Nizet]
432. Structure Assignment of Lucentamycin E and Revision of the Olefin Geometries of the Marine-Derived Lucentamycins. J. Nat. Prod. [J.-W. Cha, J.-S. Park, T. Sim, S.-J. Nam, H.-C. Kwon, J. R. Del Valle, W. Fenical]
433. Bile salt–induced intermolecular disulfide bond formation activates *Vibrio cholerae* virulence (www.pnas.org/cgi/doi/10.1073/pnas.1218039110) [Menghua Yang, Zhi Liua, Chambers Hughes, Andrew M. Sterna, Hui Wangd, Zengtao Zhongd, Biao Kane, William Fenical, Jun Zhua*]
434. Structures and comparative characterization of biosynthetic gene clusters for cyanosporasides, enediyne-derived natural products from marine actinomycetes. (2013) J. Amer. Chem. Soc. [Amy L. Lane, Sang-Jip Nam, Takashi Fukuda, Kazuya Yamanaka, Christopher A. Kauffman, Paul R. Jensen, William Fenical, Bradley S. Moore]
435. Cytotoxic and Antimicrobial Napyradiomycins from Two Marine-Derived, MAR 4 *Streptomyces* Strains. (2013) Eur. J. Org. Chem. 3751–3757. [Yuan-Bin Cheng, Paul R. Jensen, and William Fenical]
436. Anthracimycin, a Potent Anthrax Antibiotic from a Marine-Derived Actinomycete. Angew. Chem. Int. Ed. 2013, 52, 1 – 4. [Kyoung Hwa Jang, Sang-Jip Nam, Jeffrey B. Locke, Christopher A. Kauffman, Deanna S. Beatty, Lauren A. Paul, and William Fenical]