

Curriculum Vitae
Alanna Schepartz

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Born: January 9, 1962, NYC

Education

1982 B.S., Chemistry; State University of New York, Albany, NY (with S. Bank)
1987 Ph.D., Chemistry; Columbia University, New York, NY (with R. Breslow)

Professional

California Institute of Technology

1986-1988 National Institutes of Health Postdoctoral Fellow (with P.B. Dervan)

Yale University

1988 Assistant Professor of Chemistry
1992 Associate Professor of Chemistry
1994 Milton Harris, '29 Ph.D. Associate Professor of Chemistry
1995 Professor of Chemistry
2000-2017 Milton Harris, '29 Ph.D. Professor of Chemistry
2001-2019 Professor of Molecular, Cellular and Developmental Biology
2002-2007 Howard Hughes Medical Institute Professor
2011-2014 Director, Yale Chemical Biology Institute
2017-2019 Sterling Professor of Chemistry

University of California, Berkeley

2019-present T. Z. and Irmgard Chu Distinguished Chair in Chemistry
2019-present Professor of Molecular and Cellular Biology
2019-present Faculty Affiliate, California Institute for Quantitative Biosciences
2022-present Chan-Zuckerberg Investigator
2022-2023 Miller Institute Faculty Fellow
2023-present ARC Institute Innovation Investigator

Awards and Honors

SUNY@Albany

1982 Presidential Award for Undergraduate Research

Columbia University

- 1983 Award for Excellence in Teaching
1986 Pegram Award for Graduate Research

California Institute of Technology

- 1987 N.I.H. Postdoctoral Fellowship

Yale University

- 1990 David and Lucile Packard Foundation Fellow
1991 Eli Lilly Biochemistry Fellow
1991 Morse Faculty Fellow, Yale University
1991 National Science Foundation Presidential Young Investigator Award
1993 Camille and Henry Dreyfus Teacher-Scholar Award
1994 Alfred P. Sloan Research Fellowship
1995 Invited Lecturer, National Organic Symposium
1995 A.C.S. Arthur C. Cope Scholar Award
1997 A.C.S. Eli Lilly Award in Biological Chemistry
1998-2001 Chair, N.I.H. Study Section on Natural Products and Bioorganic Chemistry
1999 Dylan Hixon '88 Award for Teaching Excellence in the Natural Sciences
2002 Agnes Fay Morgan Research Award, Iota Sigma Pi
2002-2007 Howard Hughes Medical Institute Professor
2003 Fellow, American Association for the Advancement of Science
2003-2005 Editorial Advisory Board, Journal of the American Chemical Society
2005 Invited Lecturer, National Organic Symposium
2008 Frank H. Westheimer Prize Medal, Harvard University
2010 A.C.S. Chemical Biology Prize & Prize Lecture (inaugural recipient)
2010 Alexander M. Cruickshank Prize
2010 Elected Fellow, American Academy of Arts & Sciences
2010 Elected Fellow, American Chemical Society
2012 A.C.S. Ronald Breslow Award for Achievement in Biomimetic Chemistry
2014 Elected Member, National Academy of Sciences
2015 Elected Member, Connecticut Academy of Science and Engineering
2015 Wheland Prize Medal, University of Chicago
2016 Editor-in-Chief, Biochemistry
2017 Sterling Professor, Yale University
2018 Inspiring Yale Award, Yale University
2018 Journal Rejuvenation Award, ACS Publications

University of California, Berkeley

- 2019-present T. Z. and Irmgard Chu Distinguished Chair in Chemistry
2020 ACS Ralph F. Hirschmann Award in Peptide Chemistry
2020 Streck Award in Chemical Biology, University of Nebraska-Lincoln

2021	Vincent du Vigneaud Award, American Peptide Society
2021	Mertes Award, University of Kansas
2022	Chan Zuckerberg Institute Investigator
2022-2023	Miller Institute Faculty Fellow
2023	ARC Institute Innovation Investigator
2024	Division of Chemical Toxicology Lecturer

Selected Professional Activities

Yale University

1995-1996	Member, Organizing Committee, Symposium on the Frontiers of Science
1995-1996	Co-organizer, Symposium on the Chemistry of Gene Regulation, Biological Chemistry Division, American Chemical Society
1995-1998	Member, N.I.H. Study Section on Bioorganic and Natural Products Chemistry
1998-2000	Chair, N.I.H. Study Section on Bioorganic and Natural Products Chemistry
2000	Invited Participant, Presidents Workshop on Gender Equity in Academic Science, MIT
2003-2010	Executive Board, Yale University Center for Genomics and Proteomics
2003-2010	Co-Director, Yale University Center for Chemical Genomics
2008	Advisory Board, Faculty of 1000 Medicine Reports
2009	Co-organizer, Symposium on Seeing Inside Cells, Biological Chemistry Division, American Chemical Society
2008-2013	Member, Searle Scholars Advisory Board Committee
2009-2011	Chair, Yale Chemical Biology Institute Advisory Committee
2010-2013	Chair, Searle Scholars Advisory Board
2010-2019	Member, Yale Comprehensive Cancer Center
2015	Member, Harvard FAS Life Sciences Review Committee
2015-2016	Selection Committee, Wolf Foundation Prize in Chemistry
2016	Member, Princeton Academic Review Committee (Department of Chemistry)
2016-2020	Member, PacifiChem Advisory Board
2017	Member, Harvard Academic Review Committee (Department of Chemistry and Chemical Biology)
2017-2022	Member, Max Planck Institute Scientific Advisory Board
2017	Member, National Academy of Sciences Award in Chemical Sciences Selection Committee
2018	Chair, National Academy of Sciences Award in Chemical Sciences Selection Committee

University of California, Berkeley

2019	Member, National Academy of Sciences Class Membership Committee
2022-present	Member, Planning Committee, Department of Chemistry, UC Berkeley
2024-2028	HHMI Scientific Advisory Board

Editorial Activities

1994-2016	Editorial Board, <i>Chemistry & Biology</i>
1997-1998	Co-Editor, Interactions, Assembly and Processing, <i>Current Opinion Chemical Biology</i>
1997-present	Editorial Board, <i>Current Opinion in Chemical Biology</i>
2005-2016	Associate Editor, <i>Journal of the American Chemical Society</i>
2012	Co-Editor, Molecular Imaging, <i>Current Opinion Chemical Biology</i>
2013	Co-Editor, Supramolecular Chemistry, <i>Israel Journal of Chemistry</i>
2016-present	Editorial Board, <i>Cell Chemical Biology</i>
2016-present	Editor-in-Chief, <i>Biochemistry</i>
2019-2024	Editorial Committee, <i>Annual Review of Biochemistry</i>

Selected Distinguished Lectures (since 2001)

2001	4 th Lausanne Conference on Bioorganic Chemistry, University of Lausanne Gordon Conference on Natural Products National Foundation for Cancer Research Conference: Data for a Cure
2002	Isis Lecture, University of California – San Diego Symposium Speaker, 224 th ACS National Meeting Symposium Speaker, 225 th ACS National Meeting
2003	Student Invited Seminar, Department of Chemistry, University of Utah Bader Award Symposium, 226 th ACS National Meeting Biophysics Symposium, Yale University Breslow Award Symposium, 227 th ACS National Meeting
2004	Gordon Research Conference on Peptides Aventis Frontiers of Medicine Symposium Proteins: Folding, De novo Design and Interactions Symposium
2005	Bristol Myers Squibb Lecture, University of California-Irvine National Organic Chemistry Symposium
2006	Student Invited Lecture, Harvard University Bioorganic Gordon Conference Linus Pauling Award Symposium
2008	Chemistry as a Life Science XIV Life Sciences Institute Chemical Biology Symposium Chemical Insights into Biological Processes Symposium, NCI 22 nd Annual Symposium of the Protein Society Novartis Lecture, University of Illinois at Urbana-Champaign The Frank H. Westheimer Prize Lecture, Harvard University
2009	Naff Symposium, University of Kentucky Chemical Synthetic Biology Symposium, 236 th ACS National Meeting Seeing Inside Cells Symposium, 237 th ACS National Meeting Rosenfeld Lecture, Smith College
2010	Foldamers Symposium: From Design to Protein Recognition ACS Chemical Biology Prize Lecture, 239 th ACS National Meeting

- Distinguished Women in Science Colloquia Series, Stanford University
 Alexander M. Cruickshank Prize Lecture, Gordon Research Conference on
 Biopolymers
- 2011**
 Chemistry of the Cell Symposium, Royal Society of Chemistry
 Lorne Conference on Protein Structure and Function, Melbourne, Australia
 Recent Progress in Catalytic and Biomimetic Chemistry, 240th ACS National Mtg
 Peptide-Based Drug Delivery, Drug Discovery, and Biomaterials, ASBMB
 46th Euchem Conference on Stereochemistry (Bürgenstock)
 Gordon Research Conference on Proteins
 3eme Cycle Lecture Tour, Swiss National Science Foundation
- 2012**
 Student Invited Lecture, Princeton University
 Ronald Breslow Award for Achievement in Biomimetic Chemistry Lecture
 Symposium in Honor of Alanna Schepartz, 243rd ACS National Meeting
 Current Views on Secondary Structure, 243rd ACS National Meeting
 Student Invited Lecture, Division of Chemistry & Chemical Engineering, Caltech
 Student Invited Lecture, Department of Biology, Pittsburgh University
 The 26th Annual Symposium of The Protein Society
 Chemical Biology 2012, EMBO Conference Series
 Dreyfus Foundation Teacher-Scholar Symposium
- 2013**
 Novartis Lecturer, University of Pennsylvania
 Bristol-Myers Squibb Lecturer, The Scripps Research Institute
 Chemical Biology Discussion Year-End Symposium, Keynote Speaker, NYAS
 3rd Frontiers Between Chemistry and Biology Symposium, Peking University
 Morningside Lecturer in Chemical Biology, University of Hong Kong
 Plenary Lecture, 11th International Conference on Advancing the Chemical
 Sciences, Boston, MA
- 2014**
 Student Invited Lecture, The Johns Hopkins University School of Medicine
 Keynote Speaker, Harvard Chemical Biology Retreat
 Graduate Research Symposium, University of California, Irvine
 The Vollum Institute, Oregon Health & Science University
 Chemistry: Biology Interface Armenise Symposium, Harvard Medical School
- 2015**
 Women in Science at Columbia, Columbia University
 National Academy of Sciences, Washington D.C.
 15th Annual CMD Symposium, Boston University
 Novartis Chemical Sciences Lecturer, University of California, Berkeley
 Wheland Award Lectures, University of Chicago
 Sanders Tri-Institutional Chemical Biology Lecture, Memorial Sloan Kettering
- 2016**
 International Symposium on Chemical Biology, Geneva
 Symposium Speaker, 251st ACS National Meeting, San Diego, CA
 Wageningen Symposium on Organic Chemistry Lecture, The Netherlands
 Taft Lecture, University of California-Irvine
- 2017**
 Symposium Speaker, 253rd ACS National Meeting, San Francisco, CA
 Baker Symposium, Cornell University
 Bioorganic Chemistry Gordon Conference, Proctor Academy, NH

Plenary Lecture, XXXVI Biennial Meeting of the Spanish Royal Society of Chemistry, Barcelona
 Enzymes, Coenzymes & Metabolic Pathways Gordon Conference, Waterville Valley, NH
 Synthetic Biology Gordon Conference, Stoweflake Conference Center, VT
 Keynote Speaker, International Conference on Chemical Biology & Physiology, Oregon Health & Science University
2018 Novartis Symposium (Boston College)
 Sigma Aldrich Lecture, Duke University.
 University of North Carolina, Chapel Hill
 Invited lecturer, UC Berkeley
 ACS Publications Symposium on Bio-Chem-Med (Beijing)
 Frontiers in Biology Lecture, Department of Biochemistry, Stanford
 TSRI Distinguished Lecture, Scripps Research Institute (LaJolla)
 Invited lecturer, UNC
 Frontiers in Biochemistry Lecture, Stanford University
 Student-Invited Lecturer, Scripps LaJolla
 Plenary lecturer, EMBO Workshop: Enzymes, Biocatalysis and Chemical Biology: The new frontiers, Pavia, Italy
 Novartis Symposium, Boston College
 EMBL Conference on Labeling & Nanoscopy (Heidelberg)
 Sigma-Aldrich Lecture, Duke
 Plenary lecturer, ACS Publications Symposium on Bio-Chem-Med (Beijing)
2019 Chemical Biology Symposium (Ben-Gurion University of the Negev, Israel)
 R. Bryan Miller Symposium (UC Davis)
 Institute of Chemical Biology Lecture (Vanderbilt University)
 Friedman Lecture (CUNY)
 PSCNE Speaker, Cambridge, MA
 Invited Lecturer, Duke University
2020 Invited Speaker, Inception Sciences, San Diego, CA
 Invited Lecturer, Johns Hopkins, Baltimore, MD
 Guthikonda Lecturer, Stanford University, Stanford, CA
 Invited Lecturer, University of Wisconsin, Madison (postponed)
 Frontiers in Chemical Research Speaker, Texas A&M (postponed)
 Distinguished Lecture Series, Scripps Research Institute, Jupiter, FL(postponed)
 B&B (RSC) Symposium, Edinburgh, UK (postponed)
 Molecular Biology Institute Lecturer, UCLA (postponed)
 Tetrahedron Prize Symposium Speaker, ACS Meeting, San Francisco, CA
 2020 Streck Awardee in Chemical Biology, University of Nebraska (postponed)
 15th Annual Peptide Therapeutics Symposium Speaker, La Jolla, CA
 UCSF-UCB Andrew Braisted Award Lecture, San Francisco, CA (postponed)
 International Chemical Congress of Pacific Basin Societies, Advancing Frontiers in Peptide and Protein Science with Nano-to-Macro Molecular Solutions Symposium, Honolulu, Hawaii (postponed)
 NSF-DOE Symposium, Frontiers of Chemical Science

2021
Invited Lecturer, University of Washington
Sidney Archer Lecturer, Rensselaer Polytech Institute, NY
Friedman Lecturer, CUNY
QBI/PKU Symposium on Chemical Biology, San Francisco, CA
The 18th Annual Advanced Imaging Methods (Virtual) Workshop, Virtual
Univ. of Minnesota (Build a Cell seminar), Virtual
Université de Montréal, Virtual
ACS Hirshmann Award Talk, Virtual
2020 Guthikonda Lectureship, Stanford Univ., Virtual
RSC Chemical Biology Symposium, Virtual
Chem Bio Training Program, University of Illinois at North Carolina, Virtual
Canadian Peptide Society Virtual Symposium, Virtual
EWOC Conference, Virtual
UCLA Seaborg Symposium honoring Carolyn Bertozzi, Los Angeles, CA
UCSF-UCB Andrew Braisted Award Lecture, San Francisco, CA
Univ. of Pittsburgh, First Pennsylvania Chemical Biology Symposium, Virtual

2022
Peptide Gordon Research Conference, Ventura, CA
ACS 2022 Graduate Student Symposium, San Diego, CA
10th anniversary of the CiQUS research center, Spain
Mertes Lecture Award, Univ. of Kansas, Lawrence, Kansas
2020 Streck Awardee in Chemical Biology, Univ. of Nebraska, Lincoln, Nebraska
University of Arizona, Tucson, Arizona
27th American Peptide Symposium, Whistler, Canada
11th Peptoid Summit, Virtual
Bay Area-Peking Univ Chem Bio Symposium, Berkeley, CA
Peptide Gordon Research Conference, Oxnard, CA
GCE4AII Webinar, Virtual

2023
34th Annual Frontiers in Chemistry Symposium
Univ. of Minnesota, Minneapolis, Minnesota
Bioorganic Chemistry, Gordon Research Conference, Andover, NH
Molecular Membrane Biology Gordon Research Conference, Andover, NH
Stork Lecture, Columbia University, New York, NY
Harvard Medical School, Boston, MA
20th Anniversary of ISIS, Strausbourg, France
Texas A&M, College Station, TX
TIDES, San Diego, CA
Sarafan ChEM-H CBI retreat, Stanford, CA

2024
2023-2024 GCE Webinar, Zoom
HHMI Chemical Tools for Complex Biological Systems III Conference, Ashburn, VA
Chemical Biology: from Molecules to Medicine Symposium, Copenhagen, Denmark
5th Foldamer Workshop, New York, NY
Genetic Code Expansion (GCE) Conference, Corvallis, OR
Chemical Toxicology (TOXI) Division, ACS Meeting, Denver, CO
Hammes Symposium, ACS Meeting, Denver, CO

2024 Bay Area Chemical Biology Symposium, Palo Alto, CA
2024 Bay Area Chemistry Symposium, San Francisco, CA
ARC Institute Investigator Talk, Palo Alto, CA
2025 25th Anniversary of the Miller Symposium, UC Davis, Davis, CA
UT Southwestern Chilton Lecture, Dallas, TX
Frontier Lectures, TAMU, College Station, TX
Arnold O. Beckman Lecture, Caltech, Pasadena, CA
2025 Annual Protein Society Meeting, San Francisco, CA
Natural Products & Bioactive Cmpds, Gordon Research Conference, Andover, NH
9th Symposium on Foldamers, King's College London, UK
Pioneers in Genomic Biology Lectureship, University of Illinois, Urbana-
Champaign, IL

Publications

1. Substituent Effect on the Electrochemical Oxidation of Arylmethyl Anions. 3. Effect of Methyl Substitution on Diarylmethyl Anions. S. Bank, A. Schepartz, P. Giammateo, J. Zubietta, *J. Org. Chem.* **1983**, *48*, 3458-3464.
2. Hydrolysis of an Amide in a Carboxypeptidase Model Using Co(III) and Bifunctional Catalysts. A. Schepartz & R. Breslow, *J. Am. Chem. Soc.* **1987**, *109*, 1814-1826.
3. On the Mechanism of Peptide Cleavage by Carboxypeptidase A and Related Enzymes. R. Breslow & A. Schepartz, *Chem. Lett.* **1987**, 1-4.
4. Self-Assembling Ionophores. A. Schepartz & J.P. McDevitt, *J. Am. Chem. Soc.* **1989**, *111*, 5976-5977.
5. Site-Specific Cleavage of the Protein Calmodulin Using a Trifluoperazine-Based Affinity Reagent. A. Schepartz & B. Cuenoud, *J. Am. Chem. Soc.* **1990**, *112*, 3247-3249.
6. Synthesis of α -BOC- ϵ -EDTA-Lysine Tribenzyl Ester. An Amino Acid Analog Suitable for Solid Phase Peptide Synthesis. B. Cuenoud & A. Schepartz, *Tetrahedron* **1991**, *47*, 2535-2542.
7. Tethered Oligonucleotide Probes. A Strategy for the Recognition of Structured RNA. P. Richardson & A. Schepartz, *J. Am. Chem. Soc.* **1991**, *113*, 5109-5111.
8. Polyether Tethered Oligonucleotide Probes. S.T. Cload & A. Schepartz, *J. Am. Chem. Soc.* **1991**, *113*, 6324-6326.
9. A General Scheme for Incorporating Nonnatural Functionality into Peptides. B. Cuenoud & A. Schepartz, *Tetrahedron Lett.* **1991**, *32*, 3325-3328.
10. Binding of alkali-metal cations by self-assembling ionophore complexes of Nickel(II). M.W. Jones, N. Gupta, A. Schepartz & H. Thorpe, *Inorg. Chem.* **1992**, *31*, 1308-1310.
11. A New Strategy for Directed Protein Cleavage. B. Cuenoud, T. Tarasow & A. Schepartz, *Tetrahedron Lett.* **1992**, *33*, 895-898.
12. Conformation-Dependent Cleavage of Staphylococcal Nuclease with a Disulfide-Linked Iron Chelate. M. Ermacora, J.M. Delfino, B. Cuenoud, A. Schepartz & R.O. Fox, *Proc. Natl. Acad. Sci. USA* **1992**, *89*, 6383-6387.
13. Protein-Cleavage Mapping: A New Tool for Drug Discovery and Protein Folding Studies. M. Hayward & A. Schepartz, in *Perspectives in Medicinal Chemistry*, B. Testa, E. Kyburz, W. Fuhrer, R. Giger, Eds., Verlag: Basel, **1993**, p. 501-512.

14. Design of a Metallo-bZIP Peptide that Discriminates Between CRE and AP1 Target Sites: Selection Against AP1. B. Cuenoud & A. Schepartz, *Proc. Natl. Acad. Sci. USA* **1993**, *90*, 1154-1159.
15. Altered Specificity of DNA-Binding Proteins with Transition Metal Dimerization Domains. B. Cuenoud & A. Schepartz, *Science* **1993**, *259*, 510-513.
16. Kinetic and Thermodynamic Analysis of RNA Binding by Tethered Oligonucleotide Probes: Alternative Structures and Conformational Changes. S.T. Cload, P.L. Richardson, Y. Huang & A. Schepartz, *J. Am. Chem. Soc.* **1993**, *115*, 5005-5014.
17. Selection of Structure-Specific Inhibitors of the HIV Rev-Rev Response Element Complex. S.T. Cload & A. Schepartz, *J. Am. Chem. Soc.* **1994**, *116*, 437-443.
18. DNA Targets for Certain bZIP Proteins Distinguished by an Intrinsic Bend. D.N. Paoella, C.R. Palmer & A. Schepartz, *Science* **1994**, *264*, 1130-1133.
19. Mapping RNA Regions in Eukaryotic Ribosomes that are Accessible to Methidiumpropyl-EDTA•Fe(II) and EDTA•Fe(II). H. Han, A. Schepartz, M. Pelligrini & P.B. Dervan, *Biochemistry* **1994**, *33*, 9831-9844.
20. Distribution of Labor Among bZIP Segments in the Control of DNA Affinity and Specificity. S.J. Metallo & A. Schepartz, *Chem. Biol.* **1994**, *1*, 143-151.
21. A Uniquely Modified RNA: Introduction of a Single RNA Cleavage Agent into the M1 Ribozyme. P.L. Richardson, M.L. Gross, R.D. Smith, K.J. Light-Wahl, R.D. Smith & A. Schepartz, *Bio. Med. Chem. Lett.* **1994**, *4*, 2133-2138.
22. Mechanistic Studies on the Formation of bZIP•DNA Interfaces: A Simple Example of Supramolecular Stereochemistry. D.N. Paoella, C.R. Palmer, S.J. Metallo & A. Schepartz, in *Supramolecular Stereochemistry*, J. Siegel, Ed. NATO Adv. Ser. **1995**, 83-90.
23. Peptide Models of bZIP Proteins: Quantitative Analysis of DNA Affinity and Specificity. S.J. Metallo & A. Schepartz, *Tech. Protein Chem.* **1995**, *6*, 385-391.
24. Nonspecific DNA Bending and the Specificity of Protein•DNA Interactions. A. Schepartz, *Science* **1995**, *269*, 988-989.
25. Convenient Syntheses of Bifunctional Metal Chelates. M. H. Hayward, J. C. Adrian, Jr. & A. Schepartz, *J. Org. Chem.* **1995**, *60*, 3924-3927.
26. Mechanism of DNA Binding Enhancement by the HTLV-I Transactivator Tax. A.M. Baranger, C.R. Palmer, M.K. Hamm, H. A. Giebler, A. Brauweiler, J.K. Nyborg, & A. Schepartz, *Nature* **1995**, *376*, 606-608.
27. DNA Bending and Binding by Metallo-Peptide Models of bZIP Proteins. C.R. Palmer, L.S. Sloan, J.C. Adrian, Jr., B. Cuenoud, D.N. Paoella & A. Schepartz, *J. Am. Chem. Soc.* **1995**, *117*, 8899-8907.
28. Studies on the Formation of Protein•DNA Interfaces: DNA Specificity and Straightening by CREB. M.K. Hamm & A. Schepartz, *Bio. Med. Chem. Lett.* **1995**, *5*, 1621-1626.
29. Conformation of Tax-response elements in the human T-cell leukemia virus type I promoter. J.M. Cox, L.S. Sloan & A. Schepartz, *Chem. Biol.* **1995**, *2*, 819-826.
30. Triplex Tethered Oligonucleotide Probes. A.C. Moses & A. Schepartz, *J. Am. Chem. Soc.* **1996**, *118*, 10896-10897.
31. Certain bZIP Proteins Bind DNA Sequentially as Monomers and Dimerize on the DNA. S.J. Metallo & A. Schepartz, *Nat. Str. Biol.* **1997**, *4*, 115-117.
32. Inhibition of Rev•RRE Complexation by Triplex Tethered Oligonucleotide Probes. A.C.

- Moses, S.W. Huang & A. Schepartz, *Bioorg. Med. Chem.* **1997**, *5*, 1123-1129.
33. Electrostatic Mechanism for DNA Bending by bZIP Proteins. D.N. Paolella, Y. Liu & A. Schepartz, *Biochemistry* **1997**, *36*, 10033-10038.
 34. Bidirectional Binding of the TATA box binding protein to the TATA Box. J.M. Cox, M.H. Hayward, J.F. Sanchez, L.D. Gagnas, S. van der Zee, J.H. Dennis, P.B. Sigler, & A. Schepartz, *Proc. Natl. Acad. Sci. USA* **1997**, *94*, 13475-13480.
 35. The role of a basic amino acid cluster in target site selection and nonspecific binding of bZIP peptides to DNA. S.J. Metallo, D.N. Paolella, & A. Schepartz, *Nucl. Acids Res.* **1997**, *25*, 2967-2972.
 36. Kinetics and Mechanism of RNA Binding by Triplex Tethered Oligonucleotide Probes. A.C. Moses & A. Schepartz, *J. Am. Chem. Soc.* **1997**, *119*, 11591-11597.
 37. Evidence for Induced DNA bending by the yeast zinc cluster protein PUT3. P. Hoffmann & A. Schepartz, *Bio. Med. Chem. Lett.* **1997**, *7*, 2049-2054.
 38. Mechanism of DNA Binding Enhancement by the Hepatitis B Virus Protein X. C.R. Palmer, L.D. Gagnas, A. Schepartz, *Biochemistry* **1997**, *36*, 15349-15355.
 39. Sequence determinants of the intrinsic bend in the cyclic AMP response element. L.S. Sloan & A. Schepartz, *Biochemistry* **1998**, *37*, 7113-7118.
 40. Preinitiation complex assembly: Potentially a bumpy path. J.M. Cox, A.R. Kays, J.F. Sanchez & A. Schepartz, *Curr. Op. Chem. Biol.* **1998**, *2*, 11-17.
 41. At the chemistry-biology interface. A. Schepartz & P.S. Kim, *Curr. Op. Chem. Biol.* **1998**, *2*, 9-10.
 42. Polarity of transcription on Pol II and archaeal promoters: where is the "one-way sign" and how is it read? F.T. Tsai, O. Littlefield, P.F. Kosa, J. M. Cox, A. Schepartz & P.B. Sigler, *Cold Spring Harb. Symp. Quant. Biol.* **1998**, *63*, 53-61.
 43. Highly specific DNA recognition by a designed, miniature protein. N.J. Zondlo & A. Schepartz, *J. Am. Chem. Soc.* **1999**, *121*, 6938-6939. **Highlight:** *Nature* **1999** (<https://doi.org/10.1038/news990812-3>)
 44. DNA specificity enhanced by sequential binding of protein monomers. J.J. Kohler, S.J. Metallo, T.L. Schneider & A. Schepartz, *Proc. Natl. Acad. Sci. USA* **1999**, *96*, 11735-11739.
 45. Gene Regulation: Protein escorts to the transcription ball. J.W. Chin, J.J. Kohler, T.L. Schneider & A. Schepartz, *Curr. Biol.* **1999**, *9*, R929-R932.
 46. Virtually unidirectional binding of TBP to the AdMLP TATA box within quaternary complex with TFIIA and TFIIB. A.R. Kays & A. Schepartz, *Chem. Biol.* **2000**, *7*, 601-610.
 47. Hepatitis B virus X protein activates transcription by bypassing CREB phosphorylation, not by stabilizing bZIP-DNA complexes. M.K. Pflum, D. Hall, T.L. Schneider, & A. Schepartz, *Biochemistry* **2001**, *40*, 693-703.
 48. Concerted evolution of structure and function in a miniature protein. J.W. Chin & A. Schepartz, *J. Am. Chem. Soc.* **2001**, *123*, 2929-2930. **Highlight:** *Science* **2001**, *291*, 2049.
 49. Kinetic studies of Fos•Jun•DNA complex formation: DNA binding prior to dimerization. J.J. Kohler & A. Schepartz, *Biochemistry* **2001**, *40*, 130-142.
 50. Kinetic Preference for Oriented DNA Binding by the Yeast TATA-Binding Protein TBP. Y. Liu & A. Schepartz, *Biochemistry* **2001**, *40*, 6257-6266.
 51. A Roller Coaster Ride of Thrills. A. Schepartz, *Chem. Eng. News* **2001**, 125th Anniversary Issue, *79*, 164.

52. Hepatitis B Virus protein pX enhances monomer assembly pathway of bZIP•DNA complexes. T.L. Schneider & A. Schepartz, *Biochemistry* **2001**, *40*, 2835-2843.
53. Methodology for optimizing functional miniature proteins based on avian pancreatic polypeptide using phage display. J.W. Chin, R.M. Grotzfeld, M.A. Fabian & A. Schepartz, *Bioorg. Med. Chem. Lett.* **2001**, *11*, 1501-1505.
54. Effects of nucleic acids and polyanions on dimer formation and DNA binding by dimeric transcription factors. J.J. Kohler & A. Schepartz, *Bioorg. Med. Chem.* **2001**, *9*, 2435-2443.
55. Design and evolution of a miniature Bcl-2 binding protein. J.W. Chin & A. Schepartz, *Angew. Chem. Int. Ed. Eng.* **2001**, *40*, 3806-3809. **Highlight:** *Science* **2001**, *291*, 2049.
56. Electrostatic Control of Half-Site Spacing Preferences by the cyclic AMP Response Element Binding Protein CREB. J.K. Montclare, L.S. Sloan & A. Schepartz, *Nucl. Acids Res.* **2001**, *29*, 3311-3319.
57. Gal4-VP16 and Gal4-AH increase the orientational and axial specificity of TATA box recognition by TATA box binding protein. A.R. Kays & A. Schepartz, *Biochemistry* **2002**, *41*, 3147-3155. **Highlight:** Faculty of 1000:
<http://www.f1000biology.com/article/id/1006604/evaluation>
58. A View to a Kill: Ligands for Bcl-2 family proteins. S.E. Rutledge, J.W. Chin & A. Schepartz, *Curr. Op. Chem. Biol.* **2002**, *6*, 479-485.
59. Miniature Homeodomains: High specificity without an N-terminal arm. J.K. Montclare & A. Schepartz, *J. Am. Chem. Soc.* **2003**, *125*, 3416-3417.
60. Helix macrodipole control of β^3 -peptide 14-helix stability in water. S.A. Hart, A.B.F. Bahadoor, E.E. Matthews, & A. Schepartz, *J. Am. Chem. Soc.* **2003**, *125*, 4022-4023.
61. Molecular recognition of protein surfaces: High affinity ligands for the CBP KIX domain. S.E. Rutledge, H. M. Volkman & A. Schepartz, *J. Am. Chem. Soc.* **2003**, *125*, 14336-14347.
62. High affinity, paralog-specific recognition of the Mena EVH1 domain by a miniature protein. D. Golemi-Kotra, R. Mahaffy, M.J. Footer, J.H. Holtzman, T.D. Pollard, J.A. Theriot & A. Schepartz, *J. Am. Chem. Soc.* **2004**, *126*, 4-5.
63. Helical β -peptide inhibitors of the p53-hDM2 interaction. J.A. Kritzer, J.D. Lear, M. Hodsdon & A. Schepartz, *J. Am. Chem. Soc.* **2004**, *126*, 9468-9469.
64. Relationship between side chain structure and 14-helix stability of β^3 -peptides in water. J.A. Kritzer, J. Tirado-Rives, S.A. Hart, J.D. Lear, W.L. Jorgensen, & A. Schepartz, *J. Am. Chem. Soc.* **2005**, *127*, 167-178.
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