

70. L. Raganato, A. Del Giudice, A. Ceccucci, F. Sciubba, S. Casciardi, S. Sennato, **A. Scipioni**, G. Masci, Self-assembling nanowires from a linear L,D-peptide conjugated to the dextran end group. *Int. J. Biol- Macromol.* **207** (2022) 656-665.
69. C. G. Chen, M. Giustini, A. Scipioni, A. Amadei, M. D'Abramo, Theoretical modelling of the L-Alanine CD spectrum in water. *Computational and Theoretical Chemistry* 1209 (2022) 113591.
68. F. Novelli, A. Strofaldi, S. De Santis, A. Del Giudice, S. Casciardi, L. Galantini, S. Morosetti, N. V. Pavel, G. Masci, **A. Scipioni**, Polymorphic self-organization of lauroyl peptide in response to pH and concentration. *Langmuir* **36** (2020) 3941-3951.
67. S. De Santis, F. Novelli, F. Sciubba, S. Casciardi, S. Sennato, S. Morosetti, **A. Scipioni**, G. Masci, Switchable length nanotubes from a self-assembling pH and thermosensitive linear L,D-peptide-polymer conjugate. *J. Coll. Interface Science* **547** (2019) 256-266.
66. M. Pellegrino, F. Ceccacci, **A. Scipioni**, S. De Santis, G. Mancini, A. Fierabracci Exploiting Novel Tailored Immunotherapies of Type 1 Diabetes: Short Interfering RNA Delivered by Cationic Liposomes Enables Efficient Down-Regulation of Variant PTPN22 Gene in T Lymphocytes. *Nanomedicine: Nanotechnology, Biology, and Medicine* **18** (2019) 371-379.
65. F. Novelli, S. De Santis, S. Morosetti, M. Titubante, G. Masci, **A. Scipioni** Peptides with regularly alternating enantiomeric sequence: From ion channel models to bioinspired nanotechnological applications. *Peptide Science*, e24043 (2018) 1-12.
64. F. Novelli, S. De Santis, M. Diociaiuti, C. Giordano, S. Morosetti, P. Punzi, F. Sciubba, V. Viali, G. Masci, **A. Scipioni** Curcumin loaded nanocarriers obtained by self-assembly of a linear D,L-octapeptide-poly(ethylene glycol) conjugate. *Eur. Polym. J.* **98** (2018) 28-38.
63. A. Mollica, G. Macedonio, A. Stefanucci, R. Costante, S. Carradori, V. Cataldi, M. Di Giulio, L. Cellini, R. Silvestri, C. Giordano, **A. Scipioni**, P. Punzi, S. Mirzaie Arginine- and Lysine-rich Peptides: Synthesis, Characterization and Antimicrobial Activity. *Lett. in Drug Design and Discovery* **15** (2018) 220-226.
62. G. Costanzo, A. Giorgi, **A. Scipioni**, A. M. Timperio, C. Mancone, M. Tripodi, M. Kapralov, E. Krasavin, H. Kruse, J. Šponer, J. E. Šponer, S. Pino, E. Di Mauro Non-Enzymatic Oligomerization of 3',5' Cyclic CMP and 3',5' Cyclic GMP under Different Energy Sources Hints at a Non-Fastidious Origin of RNA. *ChemBioChem* **18** (2017) 1535-1543.
61. V. Perri, F. Ceccacci, M. Pellegrino, **A. Scipioni**, S. Petrini, E. Gianhecchi, A. Lorusso, S. De Santis, G. Mancini, A. Fierabracci

Use of short interfering RNA delivered by cationic liposomes to enable efficient down-regulation of ptpn22 gene in human t lymphocytes.
PLoS ONE **12** (2017) e0175784.

60. S. De Santis, R. Chiaraluce, V. Consalvi, F. Novelli, M. Petrosino, P. Punzi, F. Sciubba, C. Giordano, G. Masci, **A. Scipioni**
PEGylated β -sheet breaker peptides as inhibitors of β -amyloid fibrillization.
ChemPlusChem **82** (2017) 241-250.

59. F. Novelli, S. De Santis, P. Punzi, C. Giordano, **A. Scipioni**, G. Masci
Self-assembly and drug release study of linear L,D-oligopeptide-poly(ethylene glycol) conjugates.
New Biotechnology **37** (2017), 96-107.

58. F. Ceccacci, A. Scipioni, B. Altieri, L. Giansanti, G. Mancini
Achiral Dye/Surfactant Heteroaggregates for Chiral sensing of Phosphocholines.
Chirality **28** (2016) 22-28.

57. C. Pucci, A. Scipioni, M. Diociaiuti, C. La Mesa, L. Perez, R. Pons
Cationic vesicles and DNA complexes: a strategy towards novel gene delivery systems.
RSC Advances **5** (2015) 81168-81175.

56. P. Punzi, S. De Santis, C. Giordano, M. Diociaiuti, F. Novelli, G. Masci, **A. Scipioni**
Bioinspired nanotubes from self-assembly of a linear L,D-oligopeptide-poly(ethylene glycol) conjugate.
Macromol. Chem. Phys. **216** (2015) 439-449.

55. F. Tardani, P. Strobba, **A. Scipioni**, C. La Mesa
Encapsulating carbon nanotubes in aqueous ds-DNA anisotropic phases: Shear orientation and rheological properties.
RSC Advances **3** (2013) 25917-25923.

54. F. Ceccacci, L. Giansanti, G. Mancini, A. Mauceri, **A. Scipioni**, C. Sperduto
Transcription of chirality from molecules to complex systems: The role of hydrophobic interactions.
Supramolecular Chemistry **25** (2013) 741-747.

53. **A. Scipioni**, P. De Santis
The elastic model in the mechanics of DNA deformations.
Physics of Life Reviews **10** (2013) 82-84.

52. P. De Santis, **A. Scipioni**
Sequence-dependent collective properties of DNAs and their role in biological systems
Physics of Life Reviews **10** (2013) 41-67.

51. S. Aleandri, M. G. Bonicelli, L. Giansanti, C. Giuliani, M. Ierino, G. Mancini, A. Martino, **A. Scipioni**
A DSC investigation on the influence of gemini surfactant stereochemistry on the organization of lipoplexes and on their interaction with model membranes
Chemistry and Physics of Lipids **165** (2012) 838-844.

50. P. Punzi, C. Giordano, F. Marino, S. Morosetti, P. De Santis, **A. Scipioni**
Metal chelates anchored to poly-L-peptides and linear D,L- α -peptides with promising nanotechnological applications.
Nanotechnology **23** (2012) 395703/1-10
49. G. Costanzo, R. Saladino, G. Botta, A. Giorni, **A. Scipioni**, E. Di Mauro
Generation of RNA molecules by nonenzymatic base catalyzed polymerization.
ChemBioChem **13** (2012) 999-1008
48. C. Pucci, **A. Scipioni**, C. La Mesa
Albumin Binding onto Synthetic Vesicles.
Soft Matter **8** (2012) 9669-9675
47. **A. Scipioni**, P. De Santis
Predicting Nucleosome Positioning in Genomes: Physical and Bioinformatic Approaches.
Biophys. Chem. **155** (2011) 53-64
46. P. De Santis, S. Morosetti, **A. Scipioni**
Prediction of Nucleosome Positioning in Genomes: Limits and Perspectives of Physical and Bioinformatic Approaches.
J. Biomol. Struct. Dyn. **27** (2010) 743-764.
45. **A. Scipioni**, S. Morosetti, G. Turchetti, P. De Santis
Geometrical, conformational and topological restraints in regular nucleosome compaction in chromatin.
Biophys. Chem. **148** (2010) 56-67.
44. **A. Scipioni**, S. Morosetti, P. De Santis
A statistical thermodynamic approach for predicting the sequence dependent nucleosome positioning along genomes.
Biopolymers **91** (2009) 1143-1153.
43. P. De Santis, **A. Scipioni**
A Statistical Thermodynamic Approach for Predicting the Sequence-Dependent Nucleosome Positioning along Genomes.
J. Biomol. Struct. Dyn. **26** (2009) 914-914.
42. **A. Scipioni**, S. Morosetti, P. De Santis
Geometrical, Conformational, and Topological Restraints in Nucleosome Compaction along Chromatin Fibers.
J. Biomol. Struct. Dyn. **26** (2009) 921-922.
41. P. De Santis, S. Morosetti, **A. Scipioni**
Peptides with regular enantiomeric sequences: a wide class of modular self-assembling architectures.
J. Nanosci. Nanotechnol. **7** (2007) 2230-2238.
40. C. Letizia, P. Andreatti, **A. Scipioni**, C. La Mesa, A. Bonincontro, E. Spigone
Protein binding onto surfactant-based synthetic vesicles.
J. Phys. Chem. B **111** (2007) 898-908.

39. **A. Scipioni**, S. Pisano, A. Bergia, M. Savino, B. Samorì, P. De Santis
Recognition on the nanoscale of a DNA sequence by an inorganic crystal surface.
Chembiochem **7** (2006) 1645-1648.
38. R. Paparcone, S. Morosetti, **A. Scipioni**, P. De Santis
A statistical approach for analyzing structural and regulative information in prokaryotic genomes.
Biophys. Chem. **120** (2006) 71-79.
37. B. Samorì, G. Zuccheri, **A. Scipioni**, P. De Santis
Towards an increase of the hierarchy in the construction of DNA-based nanostructures through the integration of inorganic materials.
Invited in "*Nanotechnology: Science and Computation*" J. Chen, N. Jonoska and G. Rozenberg Eds. (2006) 215-249, Springer-Verlag Berlin Heidelberg, printed in Germany (ISBN-10 3-540-30295-6).
Source: <http://www.springerlink.com/content/r34567n256357n1j/>
36. P. De Santis, R. Paparcone, M. Savino, **A. Scipioni**
Mechanical Properties of Single molecules: a Theoretical Approach.
Invited in "*Scanning Probe Microscopies Beyond Imaging. Manipulation of Molecules and Nanostructures*" P. Samorì Ed. (2006) 508-533 - Wiley-VCH Verlag, printed in Germany (ISBN-10 3-527-31269-2).
Source: <http://onlinelibrary.wiley.com/doi/10.1002/3527608516.ch16/summary>
35. C. Anselmi, P. De Santis, **A. Scipioni**
Nanoscale mechanical and dynamical properties of DNA single molecules.
Biophys. Chem. **113** (2005) 209-221.
34. F. Ceccacci, M. Diociaiuti, L. Galantini, G. Mancini, P. Mencarelli, **A. Scipioni**, C. Villani
A new simple procedure for discriminating between deracemization and an induced CD effect in chiral recognition experiments on atropoisomers.
Org. Lett. **6** (2004) 1565-1568.
33. **A. Scipioni**, S. Pisano, C. Anselmi, M. Savino, P. De Santis
Dual role of sequence-dependent DNA curvature in nucleosome stability: the critical test of highly-bent *Crithidia fasciculata* DNA tract.
Biophys. Chem. **107** (2004) 7-17.
32. C. Anselmi, P. De Santis, R. Paparcone, M. Savino, **A. Scipioni**
A possible role of DNA superstructures in genome evolution.
Orig. Life Evol. Biosph. **34** (2004) 143-149.
31. P. De Santis, M. Savino, **A. Scipioni**, C. Anselmi
DNA sequence-dependent curvature and flexibility in stability and organization of nucleosomes. (In: "*Nucleic Acids: Curvature and Deformation. Recent Advances and New Paradigms*" N. C. Stellwagen and U. Mohanty Eds. - ACS Symposium Series 884 – American Chemical Society - Division of Physical Chemistry (Washington, DC, USA) (2004) 219-231 (ISBN 0-8412-3862-6 - ISSN: 0097-6156

30. S. Borocci, F. Ceccacci, L. Galantini, G. Mancini, D. Monti, **A. Scipioni**, A. Venanzi
Deracemization of an axially chiral biphenylic derivative as a tool for investigating chiral recognition in self-assemblies.
Chirality **15** (2003) 441-447.
29. N. Besker, C. Anselmi, R. Paparcone, **A. Scipioni**, M. Savino, P. De Santis
Systematic search for compact structures of telomeric nucleosomes.
FEBS Lett. **554** (2003) 369-372.
28. **A. Scipioni**, G. Zuccheri, C. Anselmi, A. Bergia, B. Samorì, P. De Santis
Sequence-dependent DNA dynamics by scanning force microscopy time-resolved imaging.
Chemistry and Biology **9** (2002) 1315-1321.
27. B. Sampaolese, A. Bergia, **A. Scipioni**, G. Zuccheri, M. Savino, B. Samorì, P. De Santis
Recognition of the DNA sequence by an inorganic crystal surface.
Proc. Natl. Acad. Sci. USA **99** (2002) 13566-13570.
26. G. Zuccheri, A. Bergia, **A. Scipioni**, P. De Santis, B. Samorì,
DNA on surfaces: Adsorption, equilibration and recognition processes from a microscopist's view
In *DNA-based molecular construction book series: AIP Conference Proceedings* **640** (2002) 23-37.
25. **A. Scipioni**, C. Anselmi, G. Zuccheri, B. Samorì, P. De Santis
Sequence-dependent DNA curvature and flexibility from scanning force microscopy images.
Biophys. J. **83** (2002) 2408-2418.
24. C. Canzonetta, R. Caneva, M. Savino, **A. Scipioni**, B. Catalanotti, A. Galeone
Circular dichroism and thermal melting differentiation of Hoechst 33258 binding to the curved (A₄T₄) and straight (T₄A₄) DNA sequences.
Biochim. Biophys. Acta -Gene Structures and Expression (attuale Biochim. Biophys. Acta-Gene Regulatory Mechanisms) **1576** (2002) 136-142.
23. C. Anselmi, P. De Santis, R. Paparcone, M. Savino, **A. Scipioni**
From the sequence to the superstructural properties of DNAs.
Biophys. Chem. **95** (2002) 23-47.
22. D. Monti, L. La Monica, **A. Scipioni**, G. Mancini
Effect of the inclusion of sodium cations on the binding properties of a switchable diporphyrin receptor.
New J. Chem. **25** (2001) 780-782.
21. G. Zuccheri, **A. Scipioni**, V. Cavalieri, G. Gargiulo, P. De Santis, B. Samorì
Mapping the intrinsic curvature and the flexibility along the DNA chain.
Proc. Natl. Acad. Sci. USA **98** (2001) 3074-3079.
20. C. Anselmi, G. Bocchinfuso, **A. Scipioni**, P. De Santis
Identification of Protein Domains on Topological Basis.
Biopolymers **58** (2001) 218-229.

19. C. Anselmi, G. Bocchinfuso, P. De Santis, M. Savino, **A. Scipioni**
A Theoretical Model for the Prediction of Sequence-Dependent Nucleosome Thermodynamic Stability.
Biophys. J. **79** (2000) 79-91.
18. C. Anselmi, G. Bocchinfuso, P. De Santis, M. Savino, **A. Scipioni**
Dual Role of DNA Intrinsic Curvature and Flexibility in Determining Nucleosome Stability.
J. Mol. Biol. **286** (1999) 1293-1301.
17. C. Anselmi, G. Bocchinfuso, P. De Santis, M. Fuà, M. Savino, **A. Scipioni**
First order elasticity in the superstructural transformations of DNAs.
Acta Pharm. **49** (1999) 225-311.
16. C. Anselmi, G. Bocchinfuso, P. De Santis, M. Fuà, **A. Scipioni** and M. Savino
Statistical Thermodynamic Approach for Evaluating the Writhe Transformations in Circular DNAs.
J. Phys. Chem. B **102** (1998) 5704-5714.
15. S. Borocci, M. Erba, G. Mancini, **A. Scipioni**
Deracemization of an Axial Chiral Biphenylic Structure in Chiral Micellar Aggregates.
Langmuir **14** (1998) 1960-1962.
14. P. De Santis, A. Palleschi, **A. Scipioni**, M. Camalli, R. Spagna, G. Zanotti
Conformations of Oligoprolines with Different Configurational Sequences and their Association
Complexes with Alkali and Alkali-Earth Ions.
Biopolymers **45** (1998) 257-267
13. G. Benedetti, P. De Santis, S. Morosetti, A. Palleschi, M. Savino, **A. Scipioni**
Superstructural informations in the base sequences of nucleic acids.
Invited in: "*Properties and Chemistry of Biomolecular Systems*" N. Russo, J. Anastassopoulou and G.
Barone Eds., Kluwer Acad. Publ. (1994) 93-108, printed in the Netherlands (ISBN 0-7923-2666-0).
12. P. De Santis, A. Palleschi, M. Savino, **A. Scipioni**
Theoretical prediction of the gel electrophoretic retardation changes due to point mutations in a tract of
Sv40 DNA.
Biophys. Chem. **42** (1992) 147-152.
11. D. Boffelli, P. De Santis, A. Palleschi, **A. Scipioni**, M. Savino
Theoretical prediction of sequence dependent DNA superstructures and their implications in recognition
mechanisms with proteins.
Int. J. of Quantum Chemistry **42** (1992) 1409-1426.
10. P. De Santis, A. Palleschi, M. Savino and **A. Scipioni**
Theoretical prediction of sequence dependent DNAs superstructures and their implications in recognition
mechanisms with proteins.
Nucleic Acids Symposium Series (1991) 83-84
(ISSN 0261-3166). Source: <http://www.ncbi.nlm.nih.gov/pubmed/1842107>

9. P. De Santis, A. Palleschi, M. Savino, **A. Scipioni**
Validity of the nearest-neighbor approximation in the evaluation of the electrophoretic manifestations of DNA curvature.
Biochemistry **29** (1990) 9269-9273.
8. P. De Santis, G. Gallo, A. Palleschi, M. Savino, **A. Scipioni**
A theoretical model of the sequence dependent superstructures of DNA.
J. Mol. Liq. **41** (1989) 291-304.
7. P. De Santis, **A. Scipioni**, A. Palleschi, M. Savino
Structure and stability of $\text{Boc(DPro-LPro)}_2\text{OCH}_3\text{Na}^+$ complex: a model of Poly(DL-Proline) an alkali ions channel across membranes.
Biopolymers **28** (1989) 285-296.
6. P. De Santis, A. Palleschi, M. Savino, **A. Scipioni**
A theoretical model of DNA curvature.
Biophys. Chem. **32** (1988) 305-317.
5. P. De Santis, A. Palleschi, M. Savino, **A. Scipioni**
Poly-(DL-proline), a synthetic polypeptide behaving as ion channel across membranes: conformational studies on ion complexes of the Tetramer $\text{Boc (DPro, LPro)}_2\text{OCH}_3$.
J. Phys. Chem. **92** (1988) 4759-4765.
4. P. De Santis, A. Palleschi, S. Morosetti, M. Savino, **A. Scipioni**
Structural information in deterministic fluctuations of base sequences in DNAs. Theoretical prediction of DNA superstructures.
In "*Biological and Artificial Intelligence Systems*" (1988) pp. 143-154,
E. Clementi and J. Chin. Editors Publisher: ESCOM Science Publishers, Netherlands (ISBN 90-72199-02-2).
3. F. G. Calascibetta, P. De Santis, S. Morosetti, M. Savino, **A. Scipioni**
DNA topology in a chromatin model system.
Cell Biophysics (attuale Cell Biochemistry and Biophysics) **8** (1986) 177-188.
2. P. De Santis, A. Palleschi, M. Savino, **A. Scipioni**
Channel structures in synthetic polypeptides with alternating configurations. Conformational analysis of poly(DL-proline).
Biophys. Chem. **21** (1985) 217-225.
1. P. De Santis, A. Palleschi, M. Savino, **A. Scipioni**, B. Sesta, A. Verdini
Poly(DL-proline), a synthetic polypeptide behaving as an ion channel across bilayer membranes.
Biophys. Chem. **21** (1985) 211-215.

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Luogo e data

Roma, 27/10/2020

Il Dichiarante

A handwritten signature in black ink, appearing to read "Oreste Dequadrato".