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Titolo	The constitution of phenomenal consciousness : toward a science and theory / / edited by Steven M. Miller
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Collana	Advances in Consciousness Research, , 1381-589X ; ; Volume 92
Disciplina	612.8/23
Soggetti	Consciousness - Physiological aspects Binocular rivalry Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	2.1 Minimizing top-down attention with a demanding concurrent task 2.2 Neural effects of reports ; 2.3 Memory confound: Amnesia or blindness? ; 3. On sufficiency and necessity ; 3.1 Report ; 3.2 Iconic and/or fragile memory ; 4. Conclusion ; References ; The correlation/constitution distinction problem: Foundations, limits and explanation in consciousne; 1. Introduction ; 2. Two paths to the problem ; 3. Another look at the foundations of consciousness science ; 4. Stepwise inhibition ; 5. The Jenga analogy ; 6. Stepwise stimulation and combined inhibition/stimulation ; 7. Clarifications 7.1 Between- and within-region cases 7.2 Linking, binding or index processes ; 7.3 A caveat on isolated stimulation ; 7.4 The Cr/Cn distinction problem for enabling factors ; 8. Objections ; 8.1 Definition objections ; 8.2 Triviality objection ; 8.3 Wait-and-see objection ; 8.4 Integrated Information Theory objection ; 8.5 Specificity objection ; 8.6 Theoretical loading objection ; 9. Related scientific and philosophic issues ; 9.1 A mereology of phenomenal consciousness ; 9.2 The relation between brain and mind ; 9.3 Epistemic limits and ontology 10. New foundations for the science of consciousness

Sommario/riassunto	Philosophers have largely abandoned the claim that the special sciences will ultimately reduce to microphysics in favour of the view that the special sciences trade in functional explanations. However, a careful examination of scientific practice reveals that the explanatory strategy of the special sciences is neither reductionist nor functionalist, but mechanistic. Mechanistic explanations appeal to active material entities organized so as to produce the target phenomena. We claim that phenomenal consciousness will also succumb to mechanistic explanation: it will turn out to be the activity o

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Autore	Sun S. F.
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Edizione	[2nd ed]
Descrizione fisica	1 online resource (583 p.)
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References; 2 Syntheses of Macromolecular Compounds; 2.1 Radical Polymerization; 2.1.1 Complications; 2.1.2 Methods of Free-Radical Polymerization; 2.1.3 Some Well-Known Overall Reactions of Addition Polymers; 2.2 Ionic Polymerization; 2.2.1 Anionic Polymerization; 2.2.2 Cationic Polymerization; 2.2.3 Living Polymers
2.3 Coordination Polymerization2.4 Stepwise Polymerization; 2.5 Kinetics of the Syntheses of Polymers; 2.5.1 Condensation Reactions; 2.5.2 Chain Reactions; 2.6 Polypeptide Synthesis; 2.6.1 Synthesis of Insulin; 2.6.2 Synthesis of Ribonucleus; 2.7 DNA Synthesis; References; Problems; 3 Distribution of Molecular Weight; 3.1 Review of Mathematical Statistics; 3.1.1 Binomial Distribution; 3.1.2 Poisson Distribution; 3.1.3 Gaussian Distribution; 3.2 One-Parameter Equation; 3.2.1 Condensation Polymers; 3.2.2 Addition Polymers; 3.3 Two-Parameter Equations; 3.3.1 Normal Distribution
3.3.2 Logarithm Normal Distribution3.4 Types of Molecular Weight; 3.5 Experimental Methods for Determining Molecular Weight and Molecular Weight Distribution; References; Problems; 4 Macromolecular Thermodynamics; 4.1 Review of Thermodynamics; 4.2 DS of Mixing: Flory Theory; 4.3 DH of Mixing; 4.3.1 Cohesive Energy Density; 4.3.2 Contact Energy (First-Neighbor Interaction or Energy Due to Contact); 4.4 DG of Mixing; 4.5 Partial Molar Quantities; 4.5.1 Partial Specific Volume; 4.5.2 Chemical Potential; 4.6 Thermodynamics of Dilute Polymer Solutions; 4.6.1 Vapor Pressure; 4.6.2 Phase Equilibrium Appendix: Thermodynamics and Critical PhenomenaReferences; Problems; 5 Chain Configurations; 5.1 Preliminary Descriptions of a Polymer Chain; 5.2 Random Walk and the Markov Process; 5.2.1 Random Walk; 5.2.2 Markov Chain; 5.3 Random-Flight Chains; 5.4 Wormlike Chains; 5.5 Flory's Mean-Field Theory; 5.6 Perturbation Theory; 5.6.1 First-Order Perturbation Theory; 5.6.2 Cluster Expansion Method; 5.7 Chain Crossover and Chain Entanglement; 5.7.1 Concentration Effect; 5.7.2 Temperature Effect; 5.7.3 Tube Theory (Reptation Theory); 5.7.4 Images of Individual Polymer Chains
5.8 Scaling and UniversalityAppendix A Scaling Concepts; Appendix B Correlation Function; References; Problems; 6 Liquid Crystals; 6.1 Mesogens; 6.2 Polymeric Liquid Crystals; 6.2.1 Low-Molecular Weight Liquid Crystals; 6.2.2 Main-Chain Liquid-Crystalline Polymers; 6.2.3 Side-Chain Liquid-Crystalline Polymers; 6.2.4 Segmented-Chain Liquid-Crystalline Polymers; 6.3 Shapes of Mesogens; 6.4 Liquid-Crystal Phases; 6.4.1 Mesophases in General; 6.4.2 Nematic Phase; 6.4.3 Smectic Phase; 6.4.3.1 Smectic A and C; 6.4.4 Compounds Representing Some Mesophases; 6.4.5 Shape and Phase
6.4.6 Decreasing Order and DH of Phase Transition

Sommario/riassunto

Integrating coverage of polymers and biological macromolecules into a single text, Physical Chemistry of Macromolecules is carefully structured to provide a clear and consistent resource for beginners and professionals alike. The basic knowledge of both biophysical and physical polymer chemistry is covered, along with important terms, basic structural properties and relationships. This book includes end of chapter problems and references, and also:Enables users to improve basic knowledge of biophysical chemistry and physical polymer chemistry.Explores fully the principles