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Autore	Grondin, Jean <1955- >
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Altri autori (Persone)	HackerJorg (Jorg Hinrich) DobrindtUlrich KurthReinhard <1942->
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CONCLUSIONS; ACKNOWLEDGMENTS; REFERENCE; 3. Genomic Fluidity Of The Human Gastric Pathogen *Helicobacter pylori*; THE *HELICOBACTER* GENOMES
GENETIC MECHANISMS UNDERLYING GENOME DIVERSITY IN *H. PYLORI*; GENOMIC ISLANDS OF *H. PYLORI*; FUNCTIONAL RELEVANCE OF THE PLASTIC GENOMES OF *H. PYLORI*; GENOMIC FLUIDITY OF *H. PYLORI*; CLINICAL IMPLICATIONS; PERSPECTIVES; REFERENCES; 4. Genome Structure And Variability in Coagulase-Negative Staphylococci; FITNESS AND VIRULENCE-ASSOCIATED FACTORS OF CoNS; THE *oriC* ENVIRON OF CoNS GENOMES: A HOT SPOT FOR GENOME REARRANGEMENTS; CoNS HAVE AN UNBALANCED GENOME STRUCTURE; CoNS GENOMES AND MOBILE GENETIC ELEMENTS; EXTENSIVE HORIZONTAL GENE TRANSFER AMONG CoNS AND MECHANISMS OF ITS LIMITATION BIOFILM FORMATION ON MEDICAL DEVICES AND EVASION OF HOST DEFENSES BY CoNS; PHENOTYPIC AND GENETIC INSTABILITY OF CoNS; CLINICAL IMPACT OF CoNS HETEROGENEOUS GENE EXPRESSION AND GENOME VARIABILITY; CONCLUSIONS; REFERENCES; 5. Genome Plasticity In *Legionella pneumophila* And *Legionella longbeachae*: Impact On Host Cell Exploitation; GENERAL FEATURES OF THE *L. PNEUMOPHILA* AND *L. LONGBEACHAE* GENOMES; HOST-PATHOGEN INTERACTION: SPECIFICITIES AND COMMON FEATURES OF *L. PNEUMOPHILA* AND *L. LONGBEACHAE*; EVOLUTION OF EUKARYOTIC EFFECTORS: ACQUISITION BY HORIZONTAL GENE TRANSFER; CONCLUSIONS; ACKNOWLEDGMENTS
REFERENCES; 6. Genome Plasticity In *Salmonella enterica* And Its Relevance To Host-Pathogen Interactions; GENETIC MECHANISMS LEADING TO PLASTICITY AND HOST ADAPTATION IN *Salmonella*; GENOME ORGANIZATION IN *Salmonella*; *Salmonella* SEROVARS AND HOST ADAPTATION; CONCLUSIONS; ACKNOWLEDGMENTS; REFERENCES; 7. Mechanisms Of Genome Plasticity In *Neisseria meningitidis*: Fighting Change With Change; GENETIC VARIABILITY AT THE POPULATION LEVEL; GENOME PLASTICITY IN THE PREGENOMIC ERA; THE SEQUENCED GENOMES OF *N. MENINGITIDIS*: AN OVERVIEW; GENERATION OF GENOME VARIABILITY IN *N. MENINGITIDIS* GENETIC BASIS OF VIRULENCE IN *N. MENINGITIDIS*

Sommario/riassunto

Comprehensive examination of the current understanding of pathogen adaptation and microevolution.

3. Record Nr.	UNINA9910830156603321
Titolo	Modern polymer spectroscopy [[electronic resource] /] / edited by Giuseppe Zerbi
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Lattices 3.7 The Case of Isotactic Polypropylene - A Textbook Case; 3.8 Density of Vibrational States and Neutron Scattering; 3.9 Moving Towards Reality: From Order to Disorder; 3.10 What Do We Learn from Calculations; 3.11 A Very Simple Case: Lattice Dynamics of HCl-DCI Mixed Crystals; 3.12 CIS-tram Opening of the Double Bond in the Polymerisation of Ethylene; 3.13 Defect Modes as Structural Probes in Polymethylene Chains; 3.14 Case studies:; Case 1 Conformational Mapping of Fatty Acids Through Mass Defects
Case 2 Liquid Crystalline Polymers: Polyesters Case 3 Chain Folding in Polyethylene Single Crystals; Case 4 The Structure of the Skin and Core in Polyethylene Films (Normal and Ultradriven); Case 5 Moving Towards More Complex Polymethylene Systems; 3.15 Simultaneous Configurational and Conformational Disorder. The case of Polyvinylchloride; 3.16 Structural Inhomogeneity and Raman Spectroscopy of LAM Modes; 3.17 Fermi Resonances; 3.18 Band Broadening and Conformational Flexibility; 3.19 A Worked Out Example: From N-Alkanes to Polyethylene. Structure and Dynamics
4 Vibrational Spectroscopy of Intact and Doped Conjugated Polymers and Their Models 4.1 Introduction; 4.2 Materials; 4.3 Geometry of Intact Polymers; 4.4 Geometrical Changes Introduced by Doping; 4.5 Methodology of Raman Studies of Polarons, Bipolarons and Solitons; 4.6 Near Infrared Raman Spectroscopy; 4.7 Poly(p-phenylene); 4.8 Other Polymers; 4.9 Electronic Absorption and ESR Spectroscopies and Theory; 4.10 Mechanism of Charge Transport; 4.11 Summary; 5 Vibrational Spectroscopy of Polypeptides; 5.1 Introduction; 5.2 Force Fields; 5.3 Amide Modes; 5.4 Polypeptides; 5.5 Summary; Index

Sommario/riassunto

Modern Polymer Spectroscopy provides a 'guided tour' to the state of the art in polymer analysis by vibrational spectroscopy. Five renowned experts describe new experimental and theoretical techniques. Areas of focus include:- two-dimensional infrared spectroscopy- segmental mobility of liquid crystalline polymers under external fields- dynamics and structure of polymers with chemical and structural disorder- spectra of polyconjugated conducting polymers- theoretical calculations on biopolymers. Readers learn experimental techniques and theoretical tools essential for ob
