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Altri autori (Persone)	WildChris <1959-> VineisPaolo GarteSeymour J
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Soggetti	Molecular epidemiology Chronic diseases - Epidemiology Electronic books.
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	MOLECULAR EPIDEMIOLOGY OF CHRONICDISEASES; Contents; Contributors; Acknowledgements; 1 Introduction: why molecular epidemiology?; 2 Study design; 2.1. Introduction: study design at square one; 2.2. Epidemiological measures; 2.3. Bias; 2.4. More on confounding; 2.5. Specifi cities of molecular epidemiology design; 2.6. Conclusions; References; Essential reading; 3 Molecular epidemiological studies that can be nested within cohorts; 3.1. Introduction; 3.2. Case-cohort studies; 3.3. Nested case-control studies 3.4. Considerations regarding biomarker analyses in case-cohort and nested case-control studies3.5. Conclusion; References; 4 Family studies, haplotypes and gene association studies; 4.1. Introduction; 4.2. Family studies; 4.3. Genetic association studies; 4.4. Discussion; References; 5 Individual susceptibility and gene-environment interaction; 5.1. Individual susceptibility; 5.2. Genetic susceptibility;

5.3. Metabolic susceptibility genes; 5.4. Study designs; 5.5. Gene-environment interaction; 5.6. Exposure dose effects in gene-environment interactions
5.7. Mutational effects of gene-environment interactions5.8. Conclusions; References; 6 Biomarker validation; 6.1. Validity and reliability; 6.2. Biomarker variability; 6.3. Measurement of variation; 6.4. Other issues of validation; 6.5. Measurement error; 6.6. Blood collection for biomarkers; 6.7. Validation of high-throughput techniques; References; 7 Exposure assessment; 7.1. Introduction; 7.2. Initial considerations of an exposure assessment strategy; 7.3. Exposure pathways and routes; 7.4. Exposure dimensions; 7.5. Exposure classifi cation, measurement or modelling
7.6. Retrospective exposure assessment7.7. Validation studies; 7.8. Quality control issues; References; 8 Carcinogen metabolites as biomarkers; 8.1. Introduction; 8.2. Overview of carcinogen metabolism; 8.3. Examples of carcinogen metabolite biomarkers; 8.4. Summary; References; 9 Biomarkers of exposure: adducts; 9.1. Introduction; 9.2. Methods for adduct detection; 9.3. Adducts identifi ed in human tissue; 9.4. Adducts as biomarkers of occupational and environmental exposure to carcinogens; 9.5. Smoking-related adducts; 9.6. DNA adducts in prospective studies; 9.7. Conclusions; References
10 Biomarkers of mutation and DNA repair capacity10.1. Introduction; 10.2. Classifi cation of mutations; 10.3. Mutations in molecular epidemiology; 10.4. DNA repair; 10.5. Classes of DNA repair; 10.6. Common assays to measure DNA repair capacity; 10.7. Integration of DNA repair assays into epidemiological studies; 10.8. Genetic markers for DNA repair capacity; References; 11 High-throughput techniques - genotyping and genomics; 11.1. Introduction; 11.2. Background; 11.3. SNP databases; 11.4. Study types; 11.5. Study design; 11.6. Genotyping technologies
11.7. Sample and study management and QC

Sommario/riassunto

""I think this is an excellent book-I recommend it to anyone involved in molecular epidemiology... The 26 chapters are written by topic specialists, in an explanatory, east to read style."" -BTS Newsletter, Summer 2009 ""This text provides an accessible and useful handbook for the epidemiologist who wants to survey the field, to become better informed, to look at recent developments and get some background on these or simply to appreciate further the relatively rapid changes in informatic and analytical technologies which increasingly will serve and underpin future epidemiol

2. Record Nr. UNINA9910974029003321

Autore	Bianchi Javier
Titolo	Macro-prudential Policy in a Fisherian Model of Financial Innovation / / Javier Bianchi, Emine Boz, Enrique Mendoza
Pubbl/distr/stampa	Washington, D.C. : , : International Monetary Fund, , 2012
ISBN	9781475542516 1475542518 9781475570724 1475570724
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Descrizione fisica	1 online resource (55 p.)
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Disciplina	332.152
Soggetti	Financial institutions - Management - Econometric models Equilibrium (Economics) - Econometric models Asset prices Asymmetric and Private Information Banks Business Fluctuations Collateral Credit Current Account Adjustment Cycles Deflation Depository Institutions Externalities Finance Financial institutions Financial Markets and the Macroeconomy Housing Industries: Financial Services Inflation Land prices Loans Macroeconomics Micro Finance Institutions Monetary economics Monetary Policy, Central Banking, and the Supply of Money and Credit: General

	Money and Monetary Policy Money Mortgages Nonagricultural and Nonresidential Real Estate Markets Open Economy Macroeconomics Price Level Prices Property & real estate Public finance & taxation Real Estate Revenue administration Short-term Capital Movements Tax administration and procedure Tax arrears management Tax Evasion and Avoidance Taxation United States
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Nota di contenuto	Cover; Contents; 1.Introduction; 2 A Fisherian Model of Financial Innovation; 2.1 Decentralized Competitive Equilibrium; 2.2 Learning Environment; 2.3 Learning, Debt and Price Dynamics after Financial Innovation; 2.4 Recursive Anticipated Utility Competitive Equilibrium; 2.5 Conditionally Efficient Planners' Problems; 2.6 Pecuniary Externality and Decentralization of Planners' Allocations; 3 Quantitative Analysis; 3.1 Baseline Calibration; Tables; Table 1: Baseline Parameter Values; 3.2 Baseline Results; 3.3 Welfare Analysis; Table 2: Welfare Gains; 3.4 Sensitivity Analysis Table 3: Summary of Priors4 Conclusion; Appendixes; Appendix: Recursive Optimization Problems; References; References; Figures; Figure 1: Dynamics in the Baseline Calibration; Figure 2: Period 40 Bond Holdings and Asset Prices; Figure 3: Period 41 Bond Holdings and Asset Prices; Figure 4: Crisis Episode; Figure 5: Taxes on Debt and Land Dividends; Figure 6: Decomposition of Taxes on Debt; Figure 7: Priors; Figure 8: Dynamics in Gradual Optimism Calibration; Figure 9: Period 40 Bond Holdings and Prices: Gradual Optimism; Figure 10: Taxes on Debt and Land Dividends: Gradual Optimism Figure 11: Decomposition of Taxes on Debt: Gradual OptimismFigure 12: Dynamics in Asymmetric Priors Calibration; Figure 13: Taxes on Debt: Asymmetric Priors
Sommario/riassunto	The interaction between credit frictions, financial innovation, and a switch from optimistic to pessimistic beliefs played a central role in the 2008 financial crisis. This paper develops a quantitative general equilibrium framework in which this interaction drives the financial amplification mechanism to study the effects of macro-prudential policy. Financial innovation enhances the ability of agents to collateralize assets into debt, but the riskiness of this new regime can

	only be learned over time. Beliefs about transition probabilities across states with high and low ability to borrow change as agents learn from observed realizations of financial conditions. At the same time, the collateral constraint introduces a pecuniary externality, because agents fail to internalize the effect of their borrowing decisions on asset prices. Quantitative analysis shows that the effectiveness of macro-prudential policy in this environment depends on the government's information set, the tightness of credit constraints and the pace at which optimism surges in the early stages of financial innovation. The policy is least effective when the government is as uninformed as private agents, credit constraints are tight, and optimism builds quickly.

3.

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Titolo	A panchromatic view of galaxies / / Alessandro Boselli
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Nota di contenuto

A Panchromatic View of Galaxies; Contents; Preface; 1 Introduction; 1.1 Galaxies; 1.2 A Multifrequency Approach; 1.3 The Purpose of this Book; Part One Emitting Sources and Radiative Processes in Galaxies; 2 X-ray; 2.1 Continuum; 2.1.1 Discrete Sources; 2.1.2 X-ray Emission in Active Galaxies; 2.1.3 Hot Gas; 3 UV-Optical-NIR; 3.1 Continuum: Stellar Emission; 3.2 Emission Lines; 3.2.1 Hydrogen Lines; 3.2.2 Metals; 3.3 Absorption Lines; 3.3.1 Hydrogen Lines; 3.3.2 Other Elements; 3.4 Molecular Lines; 3.4.1 H2 Near-Infrared Emission Lines; 3.4.2 H2 UV Absorption Lines; 4 The Infrared
4.1 Continuum: Dust Emission4.2 Emission Lines; 4.2.1 PAHs; 4.2.2 Cooling Lines in PDR; 4.2.3 H2 Lines; 4.2.4 Dust Absorption of Ly Scattered Photons; 5 Millimeter and Centimeter Radio; 5.1 Continuum; 5.1.1 Free-Free Emission; 5.1.2 Synchrotron Emission; 5.1.3 Dust Emission; 5.2 Emission Lines; 5.2.1 Molecular Lines; 5.2.2 HI; 5.3 Absorption Lines; 5.3.1 HI; Part Two Derived Quantities; 6 Properties of the Hot X-ray Emitting Gas; 6.1 X-ray Luminosity; 6.2 Gas Temperature; 7 Dust Properties; 7.1 The Far-IR Luminosity; 7.2 Dust Mass and Temperature; 8 Radio Properties
8.1 Determining the Contribution of the Different Radio Components8.1.1 Synchrotron vs. Free--Free Radio Emission in the Centimeter Domain; 8.1.2 The Emission of the Cold Dust Component at 1.5 mm; 8.2 The Radio Luminosity; 9 The Spectral Energy Distribution; 9.1 The Emission in the UV to Near-Infrared Spectral Domain; 9.1.1 UV, Optical, and Near-IR Colors; 9.1.2 Fitting SEDs with Population Synthesis Models; 9.2 The Dust Emission in the Infrared Domain; 9.2.1 Mid- and Far-Infrared Colors; 9.3 The Thermal and Nonthermal Radio Emission; 10 Spectral Features
10.1 Galaxy Characterization through Emission and Absorption Lines10.1.1 Classification of the Nuclear Activity; 10.1.2 Classification of Post-Starburst and Post-Star-Forming Galaxies; 10.1.3 Line Diagnostics; 10.2 Gas Metallicity from Emission Lines; 10.3 Stellar Age and Metallicity from Absorption Lines; 11 Gas Properties; 11.1 Gas Density, Mass, and Temperature; 11.1.1 The Atomic HI Mass; 11.1.2 The Molecular H2 Mass; 12 Dust Extinction; 12.1 Galactic Extinction; 12.1.1 Extinction Curve; 12.2 Internal Attenuation; 12.2.1 Attenuation of the Emission Lines
12.2.2 Attenuation of the Stellar Continuum13 Star Formation Tracers; 13.1 The Initial Mass Function; 13.2 The Star Formation Rate; 13.3 The Birthrate Parameter and the Specific Star Formation Rate; 13.4 The Star Formation Efficiency and the Gas Consumption Time Scale; 13.5 Hydrogen Emission Lines; 13.6 UV Stellar Continuum; 13.7 Infrared; 13.7.1 Integrated Infrared Luminosity; 13.7.2 Monochromatic Infrared Luminosities; 13.8 Radio Continuum; 13.9 Other Indicators; 13.9.1 The X-ray Luminosity; 13.9.2 Forbidden Lines; 13.9.3 [CII]; 13.9.4 Radio Recombination Lines
13.10 Population Synthesis Models

Sommario/riassunto

Describing how to investigate all kinds of galaxies through a multifrequency analysis, this text is divided into three different sections. The first describes the data currently available at different frequencies, from X-rays to UV, optical, infrared and radio millimetric and centimetric, while explaining their physical meaning. In the second section, the author explains how these data can be used to determine physical parameters and quantities, such as mass and temperature. The final section is devoted to describing how the derived quantities can be used in a multifrequency analysis to study