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Nota di contenuto	Foreword -- Preface -- Part 1: Personalized Medicine And Justice -- Chapter 1: Scientific Evidence And Proof. Towards A Personalized Justice.-Part 2: P4 Personalized Medicine - Scientific-Technological Innovation And Epistemological Perspectives -- Chapter 2: Metabolomics And Molecular Imaging In The Post-Genomic Era.- Chapter 3: The Origin Of Personalized Medicine And The Systems Biology Revolution -- Chapter 4: Epistemological And Ethical Implications Of The P4 Revolution -- Part 3: Innovation, Unitariness And Evidence - Bio-Medicolegal And Criminological Sciences -- Chapter 5: Bio-Medicolegal Sciences -- Chapter 6: Criminological Sciences -- Chapter 7: From Scientific Evidence To Scientific Proof: Daubert Standard And Medical Standard Of Care -- Part 4: Innovation, Unitariness And Evidence - Forensic Pathology And Anthropology -- Chapter 8: Forensic Pathology. Historical Roots And Modern Evolution -- Chapter 9: Forensic Pathology And Malpractice In Cardiac Surgery -- Chapter 10: Current Practice Of Forensic Anthropology On Dead Bodies -- Chapter 11: New Molecular And Imaging Innovations In Forensic Pathology -- Chapter 12: Post-Mortem Anthropology And Trauma Analysis -- Part 5: Innovation, Unitariness And Evidence - Clinical Legal And Forensic Medicine In Living Person - Violence -

Criminogenesis And Personal Injury.-Chapter 13: Humanitarian Forensic Action. A New Field Of Application Of Forensic Science -- Chapter 14: Omics And Functional Imaging In The Understanding Of Antisocial Behavior -- Chapter 15: Current Evidence In Personal Injury And Torture Medicine -- Chapter 16: Current And Future Evidence In Personal Injury Ascertainment Under Criminal Law -- Chapter 17: Forensic Humanitarian Action. Considerations For Future.-Chapter 18: Ascertainment Of Adult Asylum Seekers -- Part 6: Innovation, Unitariness And Evidence - Clinical Legal And Forensic Medicine In Living Person - Personal Injury And Damage Evaluation Under Civil Law -- Chapter 19: Detection Of Malingering In Psychic Damage Ascertainment -- Chapter 20: Current And Future Evidence In Personal Damage Evaluation -- Part 7: Innovation, Unitariness And Evidence - Clinical Legal And Forensic Medicine In Living Person - Malpractice And Medical Liability. Injury And Damage -- Chapter 21: International Juridical Overview On Personal Injury Compensation -- Chapter 22: New Methods Of Ascertainment In Medical Malpractice In Living Persons -- Chapter 23: Anatomical Variability And Medical Responsibility. Implications In The Methods Of Ascertainment And Criteria Of Evaluation -- Chapter 24: Current And Future Evidence In Medical Malpractice -- Part 8: Innovation, Unitariness And Evidence - Clinical Legal And Forensic Medicine In Living Person - Personal Identification And Age Estimation -- Chapter 25: Historical Routes And Current Practice For Personal Identification -- Chapter 26: Radiodiagnostic And Molecular Innovation In Personal Identification -- Chapter 27: Dna-Based Methods For Age Estimation -- Part 9: Innovation, Unitariness And Evidence - Forensic Genetics And Genomics -- Chapter 28: From Hemogenetics To Forensic Genomics -- Part 10: Innovation, Unitariness And Evidence - Forensic Toxicology -- Chapter 29: Post-Modern Medico-Legal And Forensic Toxicology -- Chapter 30: From Drug Identification To Systems Toxicology -- Chapter 31: Metabolomics And Omic-Related Sciences In Forensic Toxicology: A Bridge Towards Forensic Medicine? -- Chapter 32: Medicines And Driving. Personalized Medicine And Medical Liability -- Chapter 33: Single Hair Analysis: Monitoring Concept For P4 Implementation -- Part 11: Innovation, Unitariness And Evidence - Forensic Imaging -- Chapter 34: History And Current State Of Forensic Imaging -- Chapter 35: Advances In Post-Mortem Forensic Imaging -- Chapter 36: Micro And Nano Imaging In Forensic Pathology -- Chapter 37: Advances In Clinical Forensic Imaging -- Chapter 38: Future Evidence In Forensic Imaging -- Part 12: Epicrisis, Conclusions & Future Perspectives -- Chapter 39: Transdisciplinary Innovation And Future Evidence -- Acknowledgments -- Index.

Sommario/riassunto

This book describes the state of the art and future prospects of the most important bio-medicolegal subdisciplines in the post-genomic framework of personalized medicine. Focusing on the three main themes Innovation, Unitariness and Evidence, the book addresses a wide range of topics, including: Bio-Medicolegal and Criminological Sciences, Forensic Pathology and Anthropology, Clinical and Forensic Medicine in Living Persons (from Interpersonal Violence to Personal Injury and Damage, Malpractice, Personal Identification and Age Estimation), Forensic Genetics and Genomics, and Toxicology and Imaging. The unitariness of the “Bio-Medicolegal Sciences”, historically founded on the accuracy and rigor of the methods of ascertainment and criteria of evaluation, should be re-established on the basis of molecular evidence, and used to promote Personalized Justice. Taken together, the book’s conclusions and future perspectives outline a vision of transdisciplinary innovation and future evidence in the

framework of personalized justice.
